

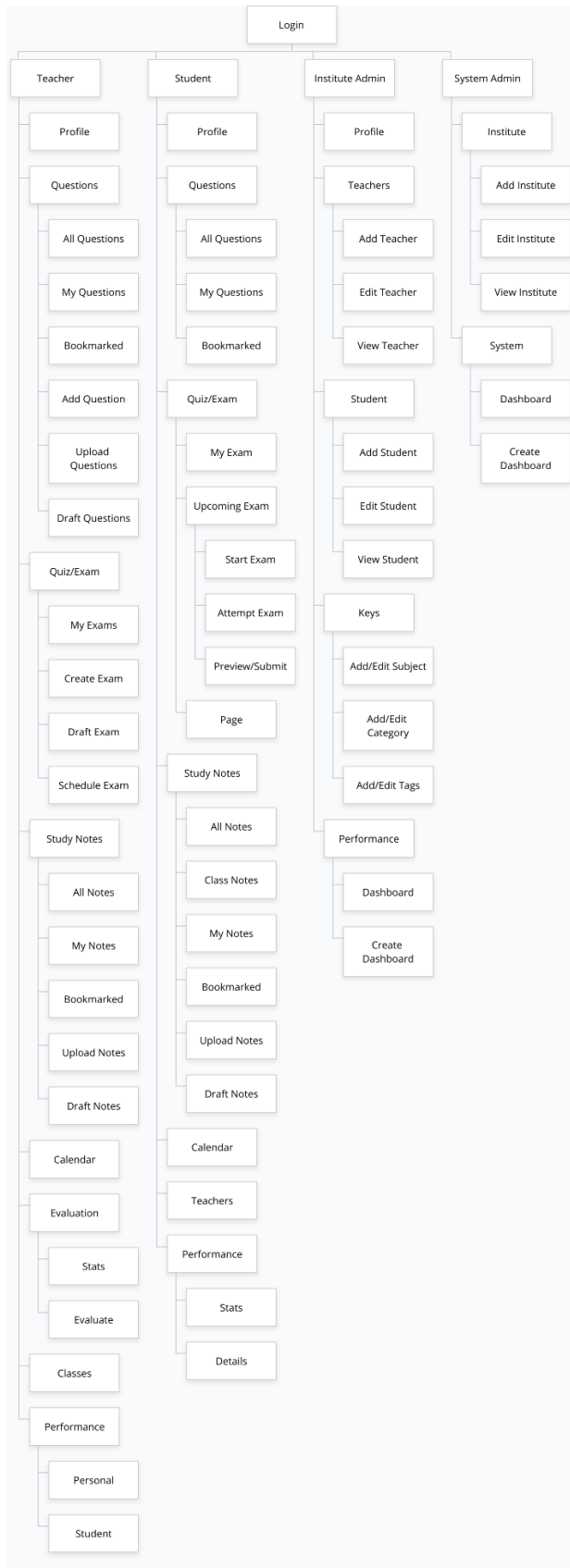
# Requirement Document

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Online Assessment  
5/1/20

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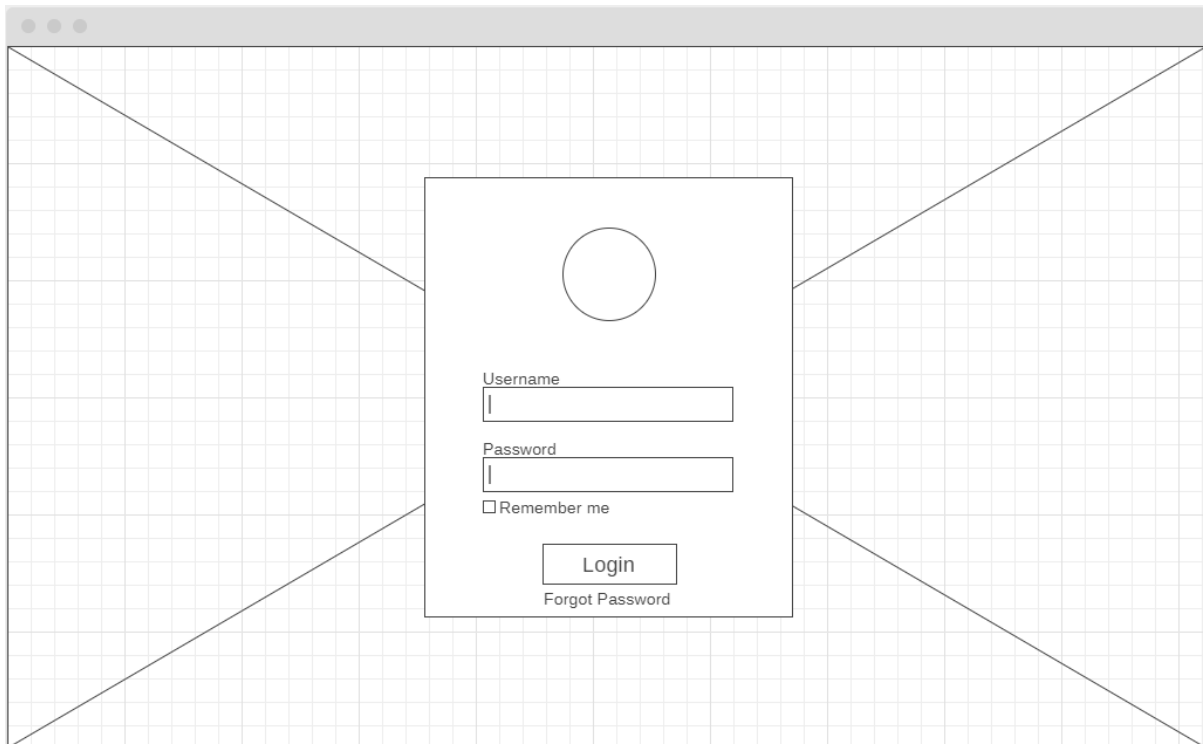
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# Product: Sitemap



## Front-End

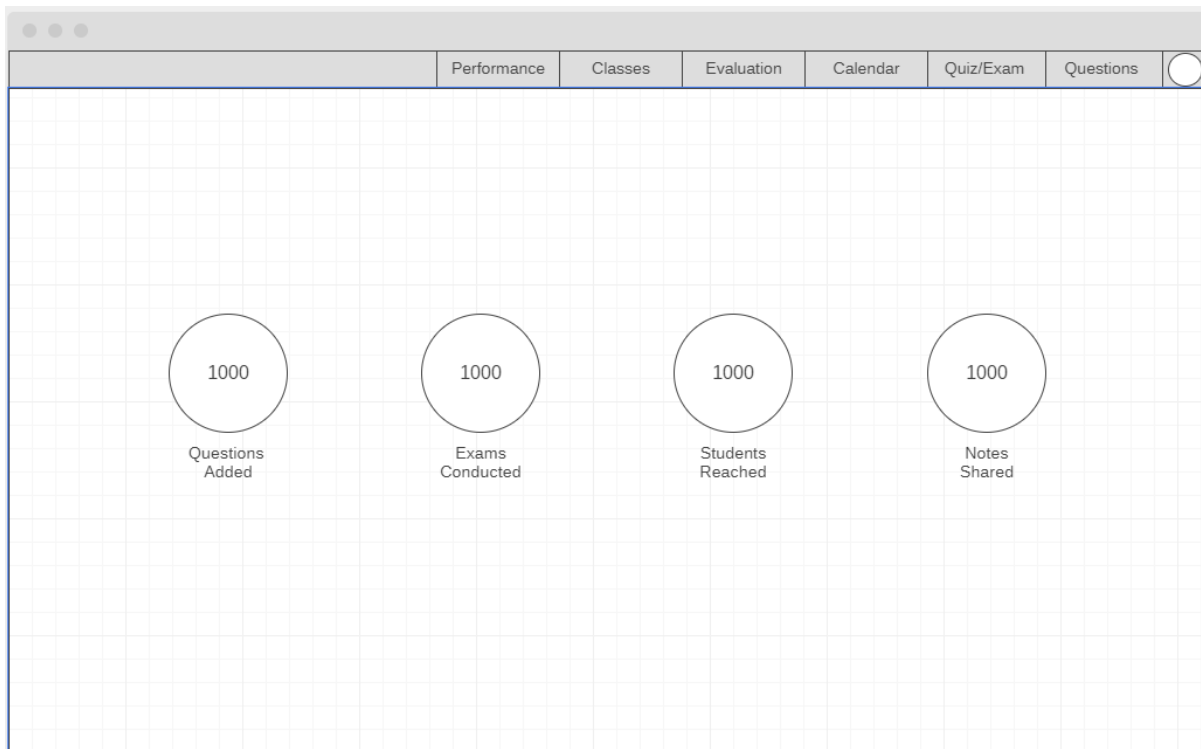
### Login page



Login page should be

- Should have a background image
  - Which can be customized by institute admin
  - Default image will be provided by system admin
- Should have a login form
  - Single login page for all the users
  - Upon login user will be shown user homepage with respective navigation tabs based on login type (admin, teacher, student)
- Input will be
  - username
  - password
  - captcha (optional)
- Should have options
  - For remember me for auto login
  - For forgot password

## Teacher view



Home page for teacher should display stats as follows:

- Number of questions added
- Number of exams created/conducted
- Number of students taken exams
- Number of pending evaluations
- Number of notes shared etc.

Teacher homepage should have following tabs/navigation options

- Profile
- Questions
  - This should have sub options to view already available questions
    - All Questions: Questions shared across the system
    - My Questions: Questions previously added by the teacher
    - Bookmarked: Question bookmarked by the teacher
  - This should have sub options to add new questions
    - Add Question: Manually enter question details in the window one by one
    - Upload Questions: Upload a CSV/EXCEL file with list of question with all necessary details
    - Draft Questions: List of questions which are not yet submitted but saved
- Quiz/Exam
  - This should have sub options to view already available exams
    - All Exams: Exams shared across the system
    - My Exams: Exams previously created by the teacher
    - Bookmarked: Exams bookmarked by the teacher
  - This should have sub options to create exam
    - Create Exam: Create exams for questions available in the system

- Draft Exams: List of exams which are not yet submitted but saved
  - Schedule Exam: Schedule exam from list of exams (All Exams/My Exams/Bookmarked)
- Calendar
  - Exam calendar with filters
- Evaluation
  - Stats:
    - To view evaluation stats
    - List of exams conducted by the teacher with submission and evaluation count
  - Evaluate: To evaluate student's submission
- Classes
  - List of students with filters
  - To view student profile
- Performance
  - This should have sub options to view personal or student performance
    - Personal performance: Personal performance with filters
    - Student performance: Student performance with filters

## Profile

The screenshot shows a web interface for a profile page. At the top, there is a navigation bar with tabs: Profile, Performance, Classes, Evaluation, Calendar, Quiz/Exam, and Questions. The main content area is set against a light gray grid background. On the left, there are several form fields: Name, Phone Number, Date of Birth, Date of Joining, Teaching Since, Teaching (with a dropdown arrow), and Experience. To the right of these fields is a large square placeholder with a diagonal 'X' inside, indicating where a profile picture should be uploaded. At the bottom right of the grid, there are two buttons: 'Edit' and 'Save'.

Profile Page will have:

- Editable by Teacher
  - Profile Picture
  - Phone Number
  - Experience
- Not editable by Teacher
  - Name
  - Date of Birth
  - Date of Joining
  - Teaching Since
  - Subject (Teaching)
- Button to Edit and Save details

## Questions

Questions tab should have

- Sub options to view already available questions
  - All Questions: Questions shared across the system
  - My Questions: Questions previously added by the teacher
  - Bookmarked: Question bookmarked by the teacher
- Sub options to add new questions
  - Add Question: Manually enter question details in the window one by one
  - Upload Questions: Upload a CSV/EXCEL file with list of question with all necessary details
  - Draft Questions: List of drafts for questions which are not yet submitted but saved

## All Questions



All questions page will have:

- Display scrollable list of questions with tags shared across the system
- Should have option to filter records by Type, Subject, Category, Tags, Author
- Each question should have
  - Type:
    - Describing the type of question (MCQ/Subjective/etc.)
    - Can be clicked to filter out questions by particular type
  - Subject:
    - Subject to which a particular question belongs to
    - Can be clicked to filter out questions by particular subject
  - Category:
    - Category within the subject
    - Can be clicked to filter out questions by particular category
  - Bookmark:



- Can be clicked to bookmark particular question
- Author:
  - Name of the author who created this question
  - Can be clicked to filter out questions created by particular author

### My Questions



My Question page will display all the questions previously added by the teacher.

My Question page will be similar to All Questions page with exclusion of author filter, bookmark option and author (with each question).

## Bookmarked Questions

The screenshot shows a web interface for 'Bookmarked Questions'. At the top, there is a navigation bar with tabs: 'Bookmarked', 'Performance', 'Classes', 'Evaluation', 'Calendar', 'Quiz/Exam', and 'Questions'. The 'Bookmarked' tab is active. Below the navigation bar, there are five filter dropdown menus: 'Type', 'Subject', 'Category', 'Tags', and 'Author'. The main content area displays a list of four bookmarked questions. Each question entry consists of a circular profile picture, a question title, a hint, a solution, and a list of tags. Below each question entry, there are buttons for 'Type', 'Subject', 'Category', 'Unbookmark', and 'Author'.

Bookmarked Questions page will display all the questions bookmarked by the teacher.

Bookmarked questions page will be similar to All Question page. Only thing which will change is the bookmark option will change to un-bookmark.

## Add Question

The screenshot shows a web interface for 'Add Question'. At the top, there is a navigation bar with tabs: 'Add Question', 'Performance', 'Classes', 'Evaluation', 'Calendar', 'Quiz/Exam', and 'Questions'. The 'Add Question' tab is active. Below the navigation bar, there are four filter dropdown menus: 'Type', 'Subject', 'Category', and 'Tags'. The main content area contains four text input fields for 'Question', 'Hint (Optional)', 'Solution', and 'Options (Mandatory only for MCQ)'. At the bottom, there is a 'Share' checkbox and three buttons: 'Attach File', 'Save Draft', and 'Submit'.

Add Question page will be used for manually entering question details. Only single question can be added at a time.

Add Question page will have:

- Drop down button to choose details related to question
  - Type: Type of question (MCQ/Subjective/etc.)
  - Subject: Name of subject
  - Category: Category of question with in subject
  - Tag:
    - List of already available tags
    - Can add comma separated tags manually
- Text areas to add
  - Question: To enter question details
  - Hint:
    - To enter hint related to the question.
    - This will be an optional field
  - Solution
    - Correct option in case of MCQ
    - Descriptive answer which will be used for evaluation and can also be shared with students after submission
  - Options: Mandatory in case of MCQ question
- Checkbox
  - Share: To choose if a question can be shared with others
- Buttons
  - Attach File: To attach images corresponding to the question
  - Save Draft: To save question draft and edit later
  - Submit: To submit question

### Upload Question

The screenshot shows a web interface for uploading a question. At the top, there is a navigation menu with tabs: Upload, Performance, Classes, Evaluation, Calendar, Quiz/Exam, and Questions. The 'Questions' tab is selected. Below the menu is a large, empty text area for entering question details. At the bottom of the interface, there are five buttons: Template, Upload, Preview, Save Draft, and Submit.

Upload Question page will be used for uploading list of question (multiple questions) with necessary details using a CSV/EXCEL file.

Upload Question page will have:

- Drop area
  - To drag and drop questions file directly from file system to upload
- Buttons
  - Template: To download CSV/EXCEL file template for adding question offline
  - Upload: To manually select questions file system to upload
  - Preview:
    - To preview question and edit them before submitting
    - Preview button will open preview page
    - Preview page will be similar to Add Question page with all the questions from CSV/EXCEL file listed one after the other
  - Save Draft: To save questions draft and edit later
  - Submit: To submit list of questions

#### Draft Question



Draft Questions page will have scrollable list of drafts for questions which are not yet submitted but saved in the order of last modified.

Drafts Question page will have:

- Scrollable list of drafts
- Each draft will have
  - Detail text
  - Edit Button:
    - To edit the draft

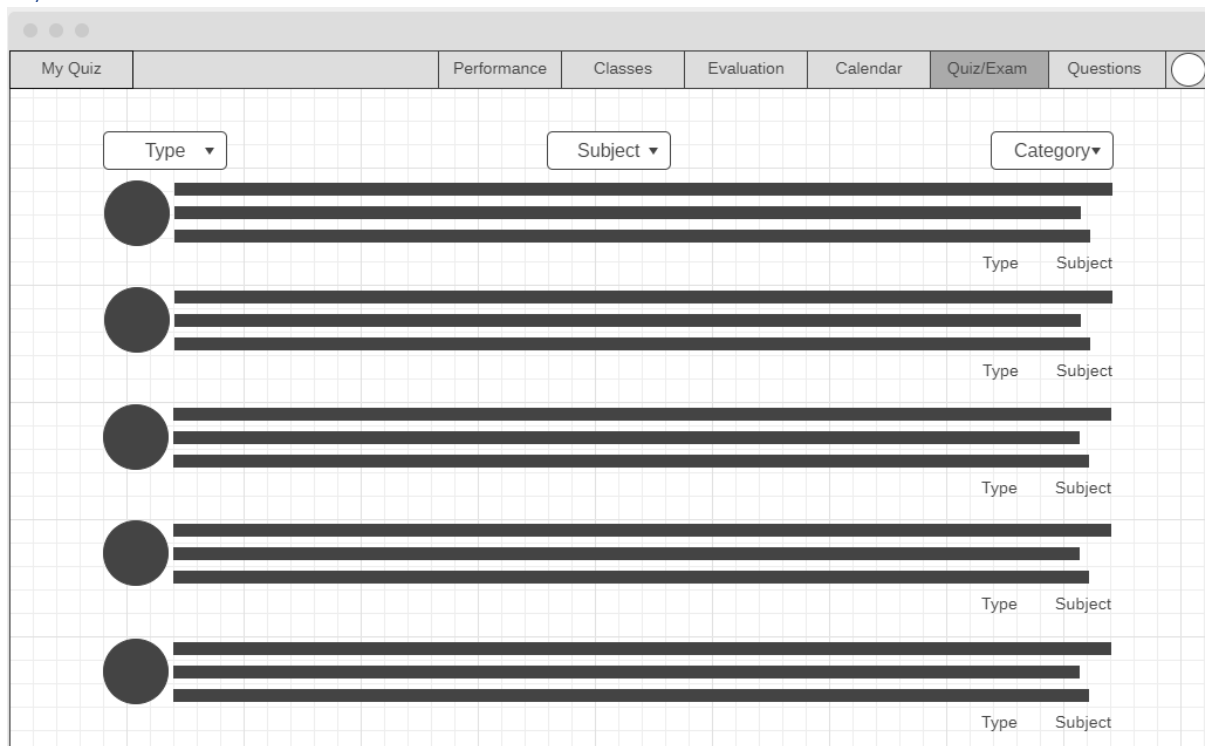
- Edit draft will open page according to type of draft (Add Question/Upload Question)
- Submit Button: To submit question

## Quiz/Exam

Quiz/Exam tab should have

- Sub options to view already available exams
  - My Exams: Exams previously created by the teacher
- Sub options to create exam
  - Create Exam: Create exams for questions available in the system
  - Draft Exam: List of exams which are not yet submitted but saved
  - Schedule Exam: Schedule exam from list of exams (All Exams/My Exams/Bookmarked)

## My Exams



All Exams page will have:

- Display scrollable list of quiz/exam previously created by the teacher
- Should have option to filter exams by Type, Subject, Category
- Each exam should have
  - Type:
    - Describing the type of exam (MCQ/Subjective/etc.)
    - Can be clicked to filter out exams by particular type
  - Subject:
    - Subject to which a particular exam belongs to
    - Can be clicked to filter out exams by particular subject
  - Category:
    - Category within the subject
    - Can be clicked to filter out exams by particular category

## Create Exam

The screenshot shows a web interface for creating an exam. It features a navigation bar with tabs for 'Create Exam', 'Performance', 'Classes', 'Evaluation', 'Calendar', 'Quiz/Exam', and 'Questions'. The main workspace is on a grid background. At the top, there are two text input fields: 'Instructions' and 'Date and Time'. Below these is the 'Add Questions' section, which includes three dropdown menus: 'Type', 'Subject', and 'Category'. Underneath is a 'From' dropdown menu and a search input field. The central part of the page is divided into two panels. The left panel contains a list of ten question items, each represented by a black circle followed by two horizontal bars. The right panel contains three such question items. Between these two panels are 'Add' and 'Remove' buttons. At the bottom of the page are three buttons: 'Preview', 'Save Draft', and 'Submit'.

Create Exam page will be to create exam by selecting questions from Question (All Question/My Questions/Bookmarked Questions)

Create Exam page will have:

- Text area for adding general instructions related to the exam
- Drop down button to choose details related to exam
  - Type: Type of question (MCQ/Subjective/etc.)
  - Subject: Name of subject
  - Category: Category of question with in subject
- Questions Panel
  - Source Panel:
    - To choose question for the creating exam
    - Will have drop down button to choose from Question (All Question/My Questions/Bookmarked Questions)
    - Will have search button to search questions

- Will display scrollable list of questions based on Search string and From drop down button
    - Questions can be double clicked to preview individually
  - Buttons:
    - Add: To add selected question to exam
    - Remove: To remove question from exam
    - Remove All: To remove all questions from exam (Optional)
  - Exams Panel:
    - Will have list of question which are added from Source Panel
    - Questions can be double clicked to preview individually
- Buttons
  - Preview: Will display all the questions with full details
  - Save Draft: Will save the exam draft
  - Submit: To submit exam

### Draft Exam



Draft Exam page will have scrollable list of drafts for exams which are not yet submitted but saved in the order of last modified.

Drafts Exam page will have:

- Scrollable list of drafts
- Each draft will have
  - Detail text
  - Edit Button:
    - To edit the draft
    - Edit draft will open draft in Create Exam page
  - Submit Button: To submit exam



## Schedule Exam

The screenshot shows a web application interface for scheduling exams. At the top, there is a navigation bar with tabs: Schedule, Performance, Classes, Evaluation, Calendar, Quiz/Exam (selected), and Questions. Below the navigation bar, there are four filter buttons: Type, Subject, Category, and Author. A 'From' dropdown menu is followed by a search input field. Below these is a scrollable list of exam items, each represented by a circular icon and several lines of text. At the bottom, there are several configuration options: 'Assign to:' with a 'Class' dropdown, 'Mandatory for:' with a 'Students' dropdown, 'Date From:' with two date and time (HHmm) dropdowns, a 'Copy Link' button, and a 'Schedule' button.

Schedule Exam page will be use to schedule and assign exam from list of exams (All Exams/My Exams/Bookmarked Exams)

Schedule Exam page will have:

- Should have option to filter exams by Type, Subject, Category, Author
- Exam selection panel
  - To choose exam for scheduling exam
  - Will have drop down button to choose from Question (All Exams/My Exams/Bookmarked Exams)
  - Will have search button to search Exams
  - Will display scrollable list of exams based on Search string and from drop down button
  - Exams can be double clicked to preview individually
  - Exams can be clicked to be selected
- Drop down list
  - Assigned to: Choose class from drop down list to which exam needs to be scheduled
  - Mandatory for: Dropdown list to select list of students
  - Date From: Date and time of exam on which exam will start attempt
  - Date to: Date and time of exam when exam will end
- Buttons
  - Copy Link: Copy exam link to share via email
  - Schedule: To schedule exam based on the details entered/selected

## Study Notes

- Sub options to view already available notes
  - All Notes: Notes shared across the system
  - Class Notes: Notes shared by the teacher
  - My Notes: Notes shared by the student
  - Bookmarked: Notes bookmarked by the student
- Sub options to share note with the class
  - Share Notes: To upload and share notes with the class
  - Draft Notes: List of notes which are not yet submitted but saved

## All Notes



All Notes page will have:

- Display scrollable list of notes with tags shared across the system
- Should have option to filter records by Type, Subject, Category, Tags, Author
- Each note should have
  - Type:
    - Describing the type of question (MCQ/Subjective/etc.)
    - Can be clicked to filter out questions by particular type
  - Subject:
    - Subject to which a particular question belongs to
    - Can be clicked to filter out questions by particular subject
  - Category:
    - Category within the subject
    - Can be clicked to filter out questions by particular category
  - Bookmark:
    - Can be clicked to bookmark particular question
  - Author:

- Name of the author who created this question
  - Can be clicked to filter out questions created by particular author
- Button
  - To download the notes

### Class Notes



Class Notes page will be similar to All Notes page, it will only display Notes uploaded by class teachers

## My Notes

The screenshot shows the 'My Notes' page. At the top, there is a navigation bar with tabs for 'My Notes', 'Study Notes', 'Performance', 'Classes', 'Evaluation', 'Calendar', 'Quiz/Exam', and 'Questions'. Below the navigation bar, there are four dropdown menus: 'Type', 'Subject', 'Category', and 'Author'. The main content area displays five rows of notes. Each row consists of a circular profile icon, three horizontal bars representing note content, and a small table with columns for 'Type', 'Subject', 'Bookmark', and 'Author'. To the right of each row are 'Share' and 'Download' buttons.

Class Notes page will be similar to All Notes page with an additional button to make the notes shareable, it will only display Notes uploaded by particular student

## Bookmarked Notes

The screenshot shows the 'Bookmarked Notes' page. At the top, there is a navigation bar with tabs for 'Bookmarked', 'Study Notes', 'Performance', 'Classes', 'Evaluation', 'Calendar', 'Quiz/Exam', and 'Questions'. Below the navigation bar, there are four dropdown menus: 'Type', 'Subject', 'Category', and 'Author'. The main content area displays five rows of notes. Each row consists of a circular profile icon, three horizontal bars representing note content, and a small table with columns for 'Type', 'Subject', 'Unbookmark', and 'Author'. To the right of each row is a 'Download' button.

Class Notes page will be similar to All Notes page only change will be that the bookmark option will change to unbookmark, it will only display Notes bookmarked by particular student

## Upload Notes

The screenshot shows a web application window titled "Upload Notes". The window has a navigation bar with tabs: "Upload", "Study Notes", "Performance", "Classes", "Evaluation", "Calendar", "Quiz/Exam", and "Questions". The "Study Notes" tab is active. Below the navigation bar, there are three dropdown menus: "Type", "Subject", and "Category". Below these is a text area labeled "Description" with a vertical cursor. Below the text area is a large empty rectangular box, likely for a drag-and-drop area. At the bottom right, there are four buttons: "Upload", "Preview", "Save Draft", and "Submit".

Upload Notes page will have:

- Should have option to assign records details like Type, Subject, Category, Tags
- Text area: To add small description about the notes.
- Drag and drop area: To upload notes directly by dragging them from file system
- Buttons
  - Upload: To upload notes
  - Preview: To preview notes with description and other details
  - Save Draft: To save progress and come back later to submit
  - Submit: To submit notes for teacher's approval

## Draft

The screenshot shows a web application interface for managing draft notes. At the top, there is a navigation bar with tabs: Draft, Study Notes, Performance, Classes, Evaluation, Calendar, Quiz/Exam, and Questions. Below the navigation bar, there are three dropdown menus: Type, Subject, and Category. The main content area displays five rows of draft notes, each represented by a black circle icon, three horizontal bars, and two buttons labeled 'Edit' and 'Submit'. Below each row, the labels 'Type' and 'Subject' are visible.

Draft Notes page will be similar to My Notes page with buttons to edit and submit draft.

## Approve Notes

The screenshot shows a web application interface for managing notes to be approved. At the top, there is a navigation bar with tabs: Approve, Study Notes, Performance, Classes, Evaluation, Calendar, Quiz/Exam, and Questions. Below the navigation bar, there are four dropdown menus: Type, Subject, Category, and Author. The main content area displays five rows of notes, each represented by a black circle icon, three horizontal bars, and one button labeled 'Approve'. Below each row, the labels 'Type', 'Subject', 'Unbookmark', and 'Author' are visible.

Approve Notes page will be similar to All Notes page, it will have Approve button instead of download button



## Calendar

The screenshot shows a web application interface for a calendar. At the top, there is a navigation bar with tabs: "Calendar", "Performance", "Classes", "Evaluation", "Calendar", "Quiz/Exam", and "Questions". Below the navigation bar, there are two dropdown menus labeled "Subject" and "Class". The main area is a calendar grid with columns for "Mon", "Tue", "Wed", "Thur", and "Fri". The rows represent time slots, each labeled "HHmm". The grid shows scheduled exams as horizontal bars. On Tuesday, there are three bars in the 10:00-11:00, 11:00-12:00, and 12:00-1:00 slots. On Wednesday, there are three bars in the 2:00-3:00, 3:00-4:00, and 4:00-5:00 slots. The interface is styled with a light gray background and a grid pattern.

Calendar page will have:

- Filter
  - Subject: To view scheduled exams for particular subject
  - Class: To view scheduled exams for particular class
- Calendar Panel
  - Will be a table with time of the day as row and day of the week
  - Scheduled exam will be shown on the table as per schedule

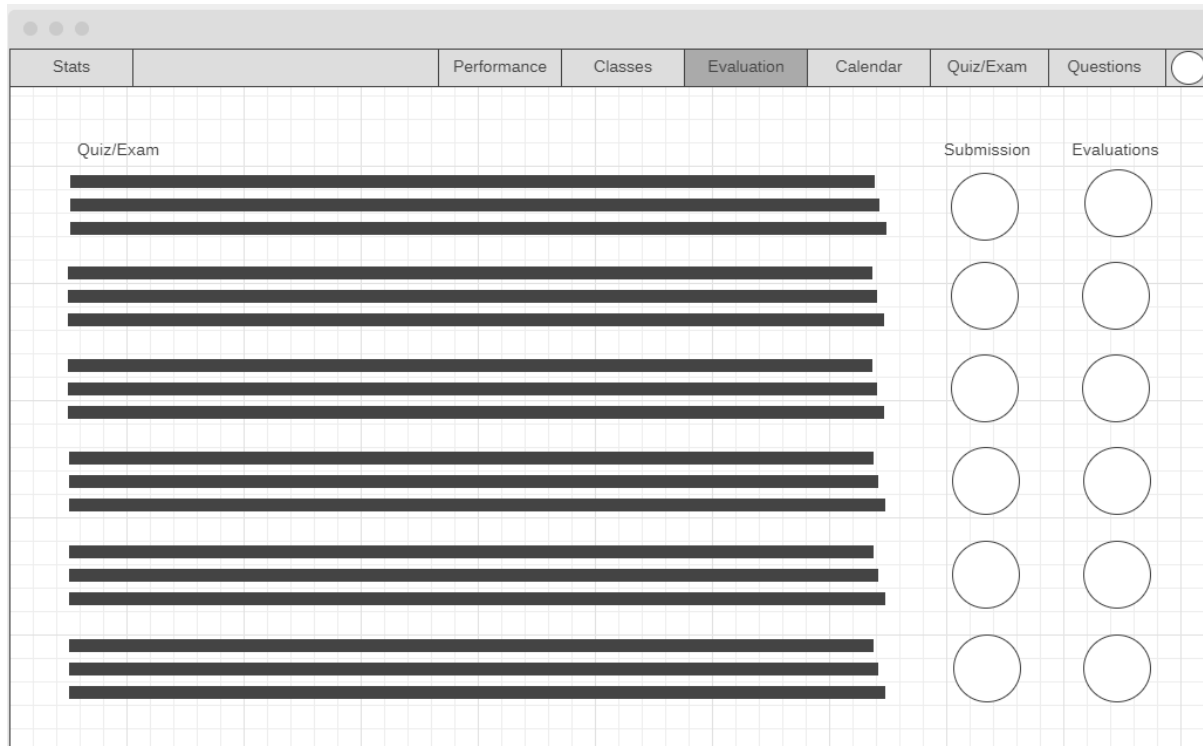


## Evaluation

Evaluation page will be used for

- Stats
  - To view evaluation stats
  - List of exams conducted by the teacher with submission and evaluation count
- Evaluate
  - To evaluate student's submission
  - Navigated to Evaluate tab upon clicking the submission count in Stats page

## Stats



The screenshot shows a web interface with a navigation bar at the top containing tabs: Stats, Performance, Classes, Evaluation, Calendar, Quiz/Exam, and Questions. The 'Stats' tab is active. Below the navigation bar is a table with a grid background. The table has three columns: 'Quiz/Exam', 'Submission', and 'Evaluations'. The 'Quiz/Exam' column contains ten rows of redacted text. The 'Submission' column contains ten empty circles. The 'Evaluations' column contains ten empty circles.

Quiz/Exam	Submission	Evaluations
[Redacted]	<input type="radio"/>	<input type="radio"/>
[Redacted]	<input type="radio"/>	<input type="radio"/>
[Redacted]	<input type="radio"/>	<input type="radio"/>
[Redacted]	<input type="radio"/>	<input type="radio"/>
[Redacted]	<input type="radio"/>	<input type="radio"/>
[Redacted]	<input type="radio"/>	<input type="radio"/>
[Redacted]	<input type="radio"/>	<input type="radio"/>
[Redacted]	<input type="radio"/>	<input type="radio"/>
[Redacted]	<input type="radio"/>	<input type="radio"/>
[Redacted]	<input type="radio"/>	<input type="radio"/>

Stats page will be used to view number of submissions and number of evaluations

Stats page will have:

- List of Exams conducted by the teacher
- Each list item will have
  - Submission count
    - Number of submissions received for the exam
    - Can be clicked to evaluate exam
  - Evaluation count
    - Number of evaluations pending

## Evaluate

Evaluate	Performance	Classes	Evaluation	Calendar	Quiz/Exam	Questions
<b>Student</b>						
S1	<b>Question 1</b> [Redacted]					
S2	<b>Solution</b> [Redacted]					
S3	<b>Submission</b> [Redacted]					
S4	<b>Remark</b> [Text Area]					
S5	<b>Score</b> [Input Field]					
S6	<b>Question 2</b> [Redacted]					
	<b>Solution</b> [Redacted]					
	<b>Submission</b> [Redacted]					
	<b>Remark</b> [Text Area]					
	<b>Score</b> [Input Field]					
<input type="button" value="Previous"/> <input type="button" value="Next"/>						

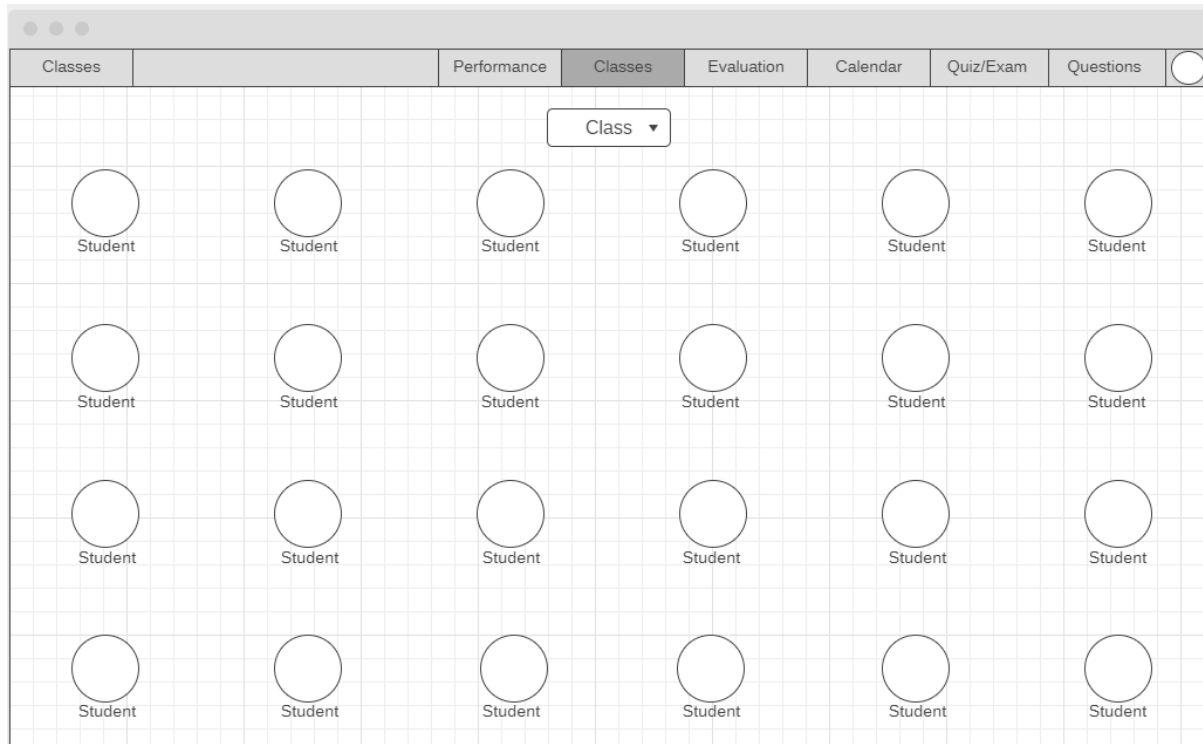
Evaluate page will be shown upon clicking the submission count.

Evaluate page will have:

- Side bar showing the list of students whose submission is yet to be validated
- Scrollable list of questions as per the quiz
- Each question will have
  - Question
  - Solution
  - User Response
  - Section to give remark

- Section to give grades
- Button to Submit and evaluate next student

## Classes



Classes tab can be used to view students' profile by the teacher based on class.

Classes page will have:

- Dropdown list to select class
- List of students based on dropdown selection
- Each student will be shown by an avatar/profile picture and their name and roll number
- Upon clicking the student, it will take teacher to students' profile

## Performance

Sub options to view personal or student performance

- Personal performance: Personal performance with filters
- Student performance: Student performance with filters

### Personal



Personal performance page will have:

- List of charts showing stats for exams conducted by the teacher
  - By Year
  - By Subject
  - By Class, etc.
- List of charts showing stats for exams performance
  - By Year
  - By Subject
  - By Class, etc.

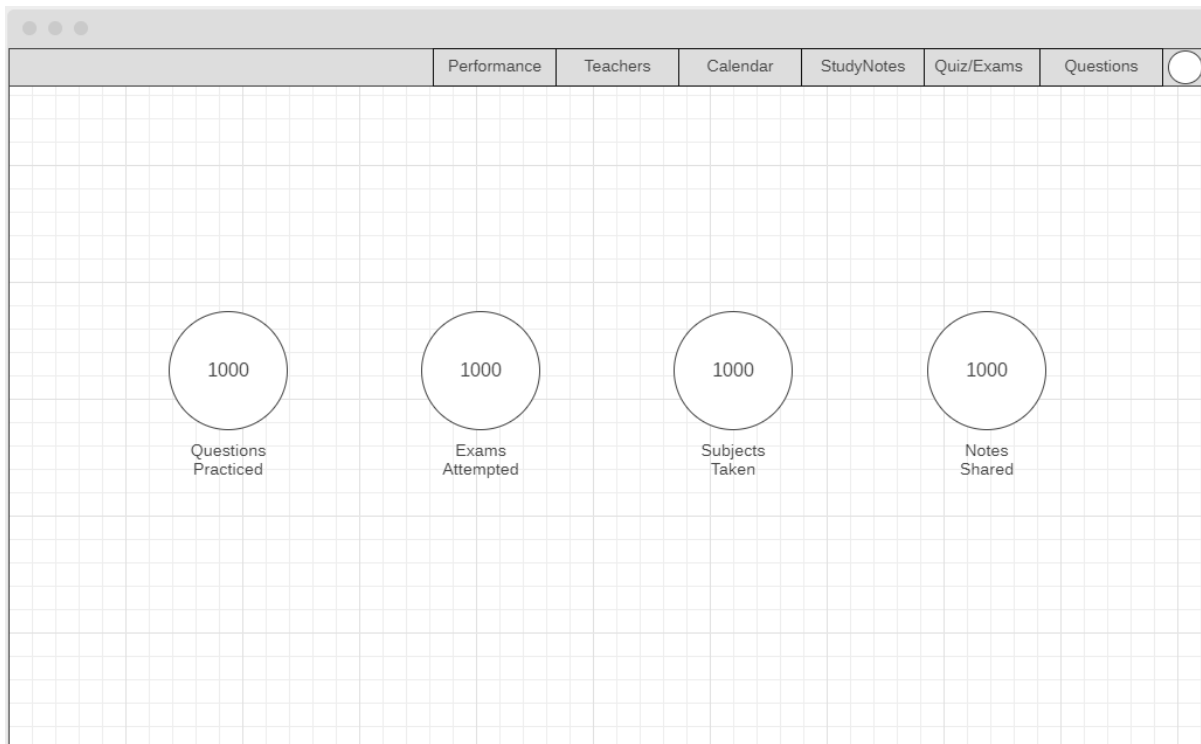
## Student



Student performance page will have:

- Dropdown list filter
  - By year
  - By class
  - By subject
  - By exam
- Charts based on filters showing
  - Overall student performance
  - Individual performance

## Student view



Home page for student should display stats as follows:

- Number of questions practiced
- Number of exams attempted
- Number of students taken
- Number of notes shared etc.

Student homepage should have following tabs/navigation options

- Profile
- Questions
  - This should have sub options to view already available questions to practice
    - All Questions: Questions shared across the system
    - Class Questions: Questions shared by the teacher
    - Bookmarked: Question bookmarked by the student
- Quiz/Exam
  - This should have sub options to view already available exams
    - All Exams: Exams shared across the system
    - My Exams: Exams attempted by the student
    - Exams: Upcoming exams for the student, same will also be listed in Calendar page
- Study Notes
  - This should have sub options to view already available notes
    - All Notes: Notes shared across the system
    - Class Notes: Notes shared by the teacher
    - My Notes: Notes shared by the student
    - Bookmarked: Notes bookmarked by the student
  - This should have sub options to share note with the class

- Share Notes: To upload and share notes with the class
  - Draft Notes: List of notes which are not yet submitted but saved
- Calendar
  - Exam calendar with filters
- Teachers
  - List of teachers with filters
  - To view teacher profile
- Performance
  - Personal performance with filters



## Profile

Profile

Performance Teachers Calendar StudyNotes Quiz/Exams Questions

Name

Phone Number

Date of Birth

Date of Joining

Class

Subject

Hobbies

Edit Save

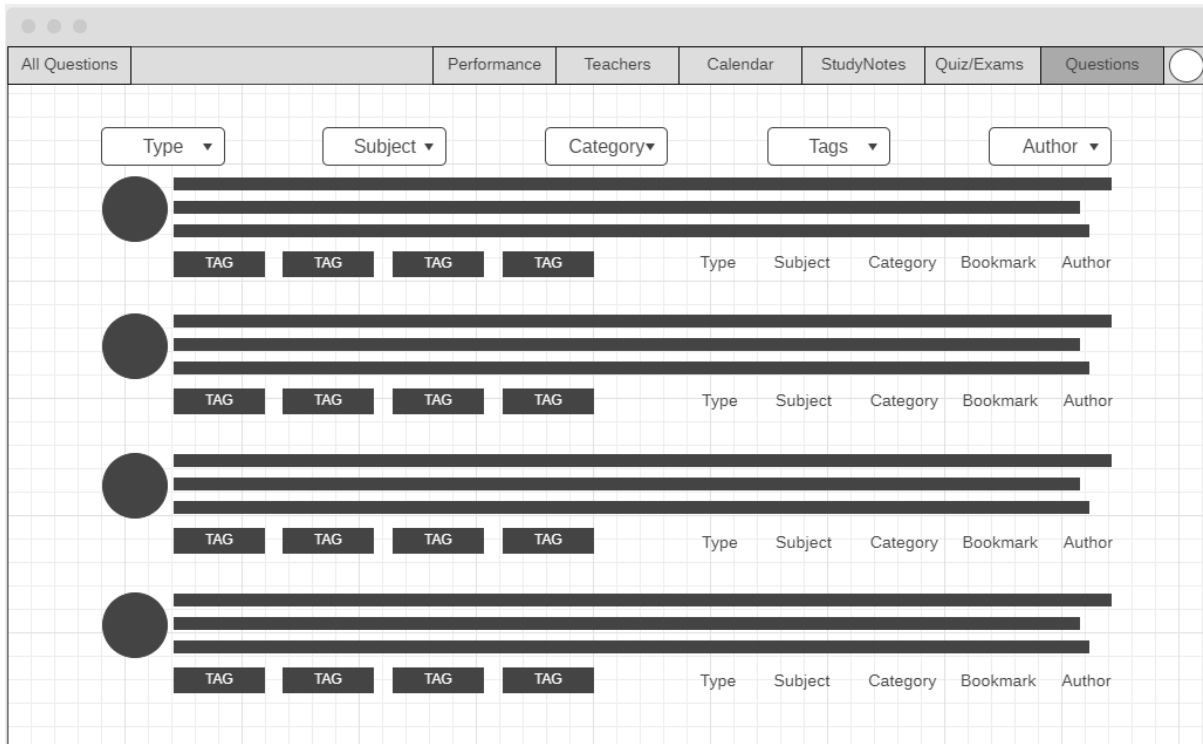
Profile Page will have:

- Editable by Student
  - Profile Picture
  - Phone Number
  - Hobbies
- Not editable by Student
  - Name
  - Date of Birth
  - Date of Joining
  - Class
  - Subject
- Button to Edit and Save details

## Questions

- This should have sub options to view already available questions to practice
  - All Questions: Questions shared across the system
  - Class Questions: Questions shared by the teacher
  - Bookmarked: Question bookmarked by the student

## All Questions



All Questions page will be same as All Questions page in Teachers view with all the same functionality

## Class Questions



Class Questions page will display scrollable list of question created and shared by the class teachers

Class Questions page will be similar to All Questions with all the same functionality

## Bookmarked Questions



Bookmarked Questions page will display all the questions bookmarked by the student.

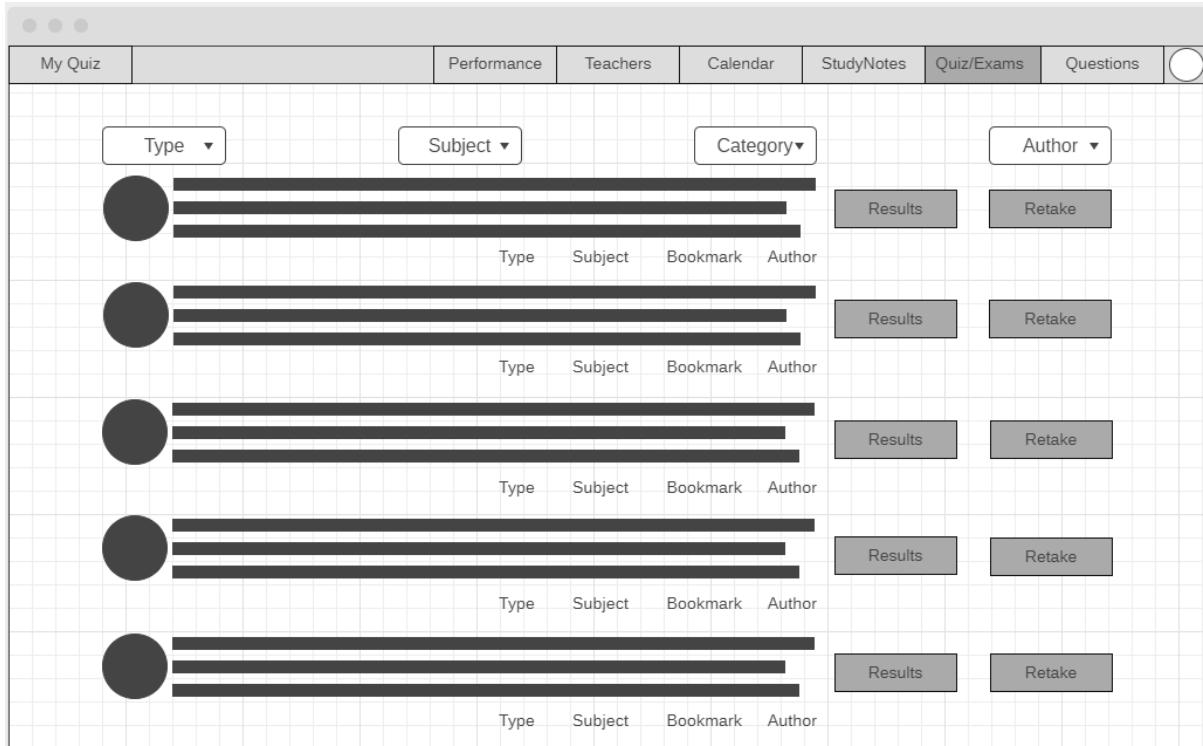
Bookmarked questions page will be similar to All Question page. Only thing which will change is the bookmark option will change to un-bookmark.

## Quiz/Exam

Quiz/Exam tab should have

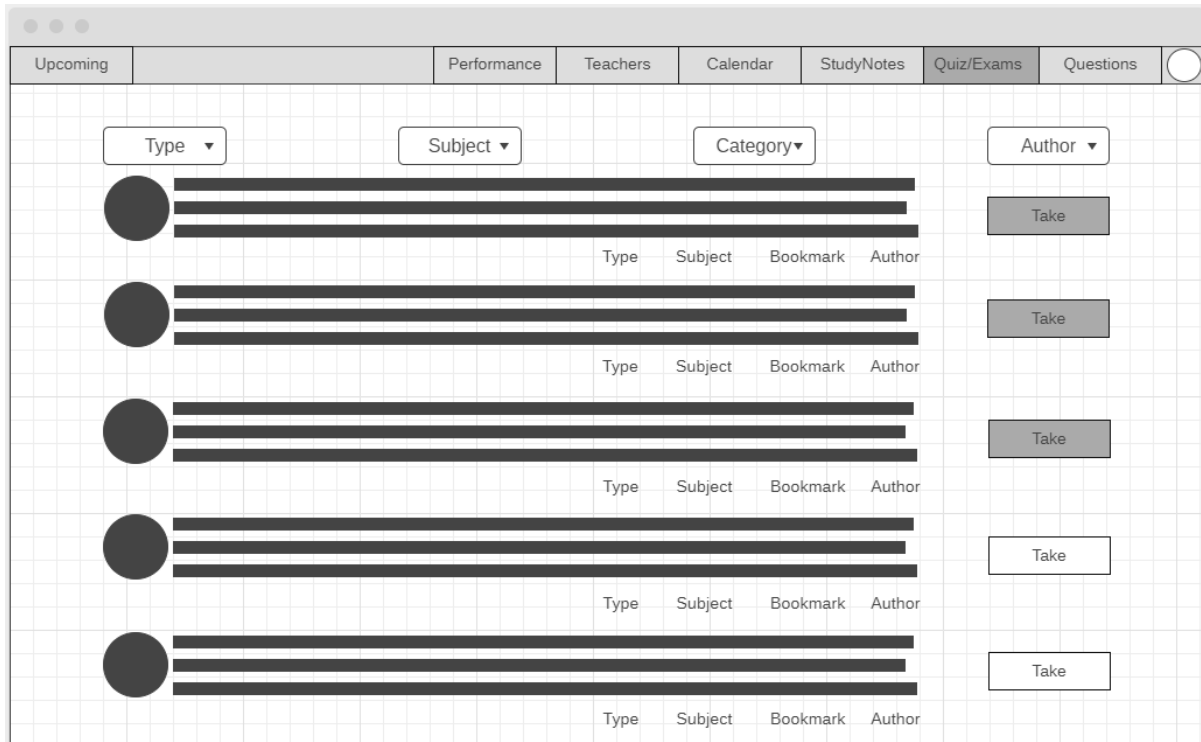
- Sub options to view already available exams
  - My Exams: Exams attempted by the student
  - Upcoming Exams: Upcoming exams for the student, same will also be listed in Calendar page

## My Exam



My Exams page will be similar to All Exams page, with an additional button to retake exam

## Upcoming Exam

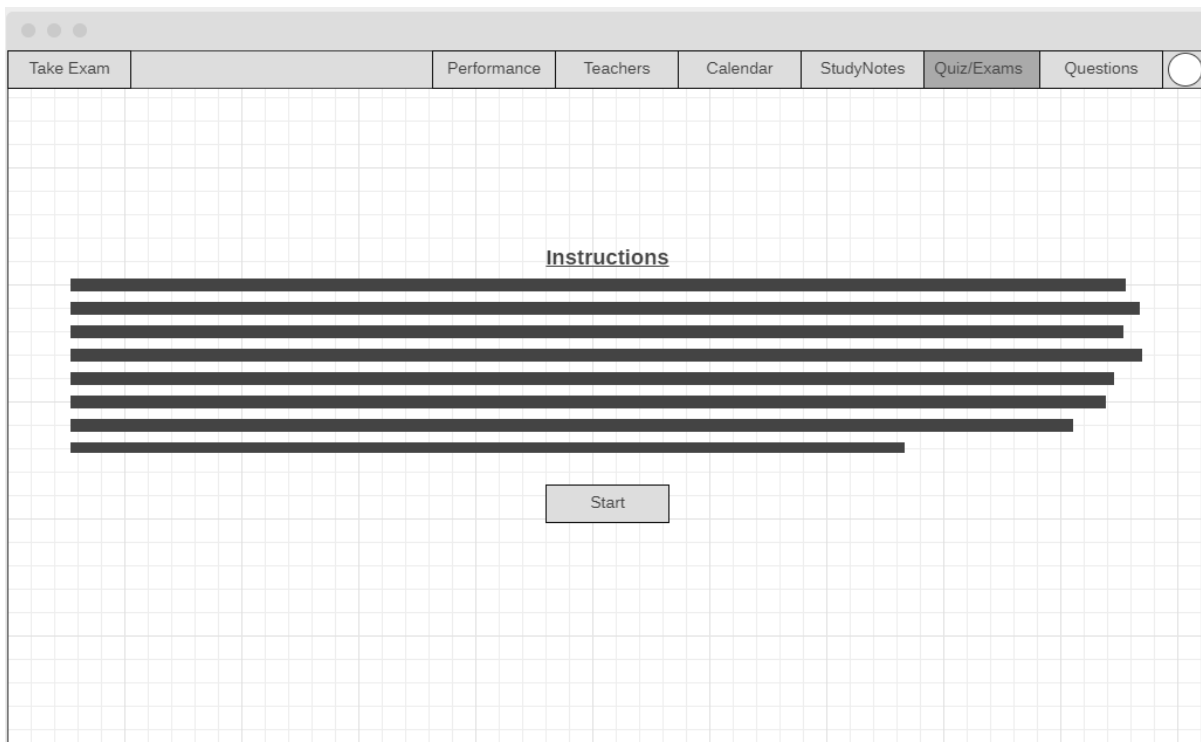


Upcoming exam page will display list of exams scheduled for the student.

Upcoming exams page will be similar to All Exams page,

- Instead of Download button there will be Take button
- Take button will be used for taking/attempting exam
- Take button will only be activated once the exam go live as per the schedule

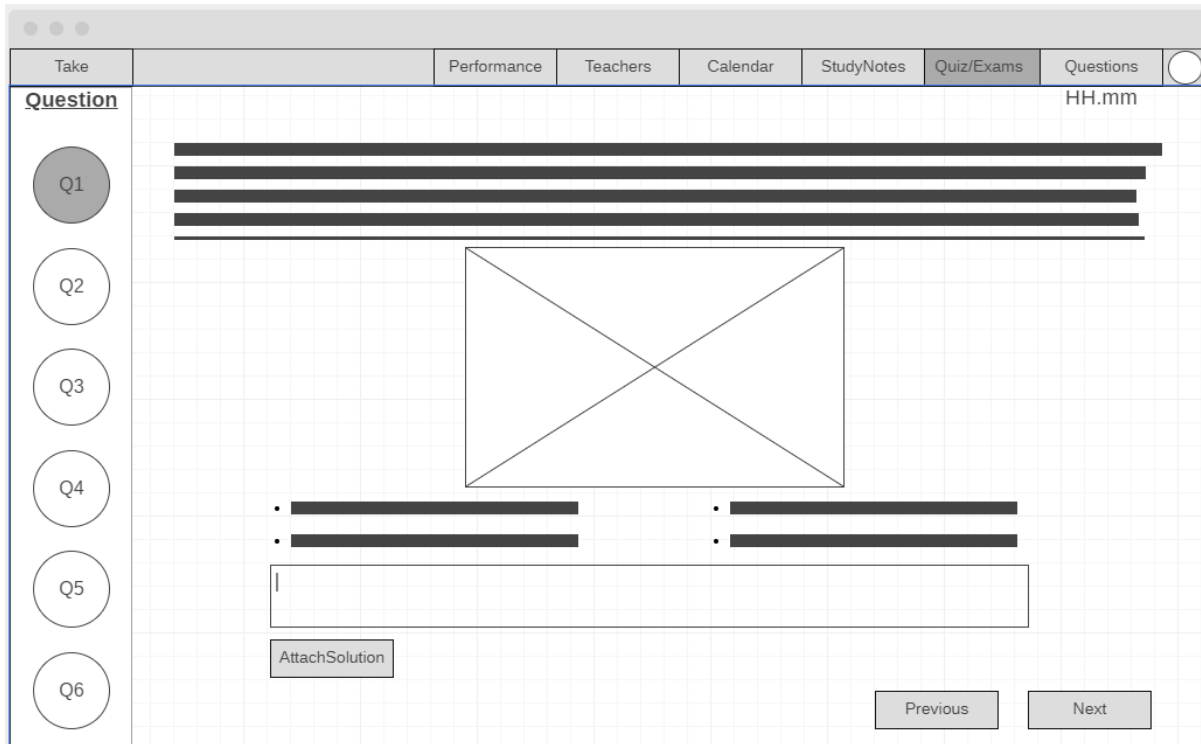
## Start Exam



Start Exam page will have:

- Instructions based on the exam
- Button to start the exam

Attempt Question



Attempt Question page will have:

- Side bar showing the list of question with colour code to know if its been answered or not
- One question per page
- Each question will have
  - Question
  - Image (if provided)
  - Options (based on question type)
  - Section to write response (based on question type)
  - Button to attach response (based on gestion type)
- Button
  - Previous: To switch to previous question
  - Next: To switch to next question

## Preview and Submit

The screenshot shows a web interface with a navigation bar at the top containing tabs: 'Take', 'Performance', 'Teachers', 'Calendar', 'StudyNotes', 'Quiz/Exams', and 'Questions'. The 'Questions' tab is active. Below the navigation bar is a section titled 'Question' containing five rows, each representing a question (Q1 to Q5). Each question row has a circular label on the left, followed by three lines of redacted content (represented by black bars), and an 'Attach File' button on the right. At the bottom of the interface are two buttons: 'Preview' and 'Submit'.

Preview and Submit Page will have:

- List of question with and option to upload attachment (based on question type)
- Button
  - Preview: To preview response of each question
  - Submit: To submit the quiz for teacher's evaluation



## Study Notes

- Sub options to view already available notes
  - All Notes: Notes shared across the system
  - Class Notes: Notes shared by the teacher
  - My Notes: Notes shared by the student
  - Bookmarked: Notes bookmarked by the student
- Sub options to share note with the class
  - Share Notes: To upload and share notes with the class
  - Draft Notes: List of notes which are not yet submitted but saved

## All Notes



All Notes page will have:

- Display scrollable list of notes with tags shared across the system
- Should have option to filter records by Type, Subject, Category, Tags, Author
- Each note should have
  - Type:
    - Describing the type of question (MCQ/Subjective/etc.)
    - Can be clicked to filter out questions by particular type
  - Subject:
    - Subject to which a particular question belongs to
    - Can be clicked to filter out questions by particular subject
  - Category:
    - Category within the subject
    - Can be clicked to filter out questions by particular category
  - Bookmark:
    - Can be clicked to bookmark particular question
  - Author:

- Name of the author who created this question
- Can be clicked to filter out questions created by particular author
- Button
  - To download the notes

### Class Notes



Class Notes page will be similar to All Notes page, it will only display Notes uploaded by class teachers

## My Notes

The screenshot shows a web application interface for 'My Notes'. At the top, there is a navigation bar with tabs: 'My Notes', 'Performance', 'Teachers', 'Calendar', 'StudyNotes', 'Quiz/Exams', and 'Questions'. Below the navigation bar, there are four dropdown menus for filtering: 'Type', 'Subject', 'Category', and 'Author'. The main content area displays five rows of notes. Each row consists of a circular profile icon, three horizontal bars representing text, and two buttons: 'Share' and 'Download'. Below each row, there are labels for 'Type', 'Subject', 'Bookmark', and 'Author'.

Class Notes page will be similar to All Notes page with an additional button to make the notes shareable, it will only display Notes uploaded by particular student

## Bookmarked Notes

The screenshot shows a web application interface for 'Bookmarked Notes'. At the top, there is a navigation bar with tabs: 'Bookmarked', 'Performance', 'Teachers', 'Calendar', 'StudyNotes', 'Quiz/Exams', and 'Questions'. Below the navigation bar, there are four dropdown menus for filtering: 'Type', 'Subject', 'Category', and 'Author'. The main content area displays five rows of notes. Each row consists of a circular profile icon, three horizontal bars representing text, and one button: 'Download'. Below each row, there are labels for 'Type', 'Subject', 'Unbookmark', and 'Author'.

Class Notes page will be similar to All Notes page only change will be that the bookmark option will change to unbookmark, it will only display Notes bookmarked by particular student

## Upload Notes

The screenshot shows a web application window titled "Upload Notes". The window has a navigation bar at the top with tabs: "Upload", "Performance", "Teachers", "Calendar", "StudyNotes", "Quiz/Exams", and "Questions". The "StudyNotes" tab is currently selected. Below the navigation bar, there are three dropdown menus: "Type", "Subject", and "Category". Below these is a text area labeled "Description" with a cursor at the start. Below the text area is a large empty rectangular box, likely for a drag-and-drop area. At the bottom right, there are four buttons: "Upload", "Preview", "Save Draft", and "Submit".

Upload Notes page will have:

- Should have option to assign records details like Type, Subject, Category, Tags
- Text area: To add small description about the notes.
- Drag and drop area: To upload notes directly by dragging them from file system
- Buttons
  - Upload: To upload notes
  - Preview: To preview notes with description and other details
  - Save Draft: To save progress and come back later to submit
  - Submit: To submit notes for teacher's approval

## Draft

Draft	Performance	Teachers	Calendar	StudyNotes	Quiz/Exams	Questions	
Type ▾	Subject ▾		Category ▾				
●	[Redacted]		Type	Subject	Edit	Submit	
●	[Redacted]		Type	Subject	Edit	Submit	
●	[Redacted]		Type	Subject	Edit	Submit	
●	[Redacted]		Type	Subject	Edit	Submit	
●	[Redacted]		Type	Subject	Edit	Submit	

Draft Notes page will be similar to My Notes page with buttons to edit and submit draft.

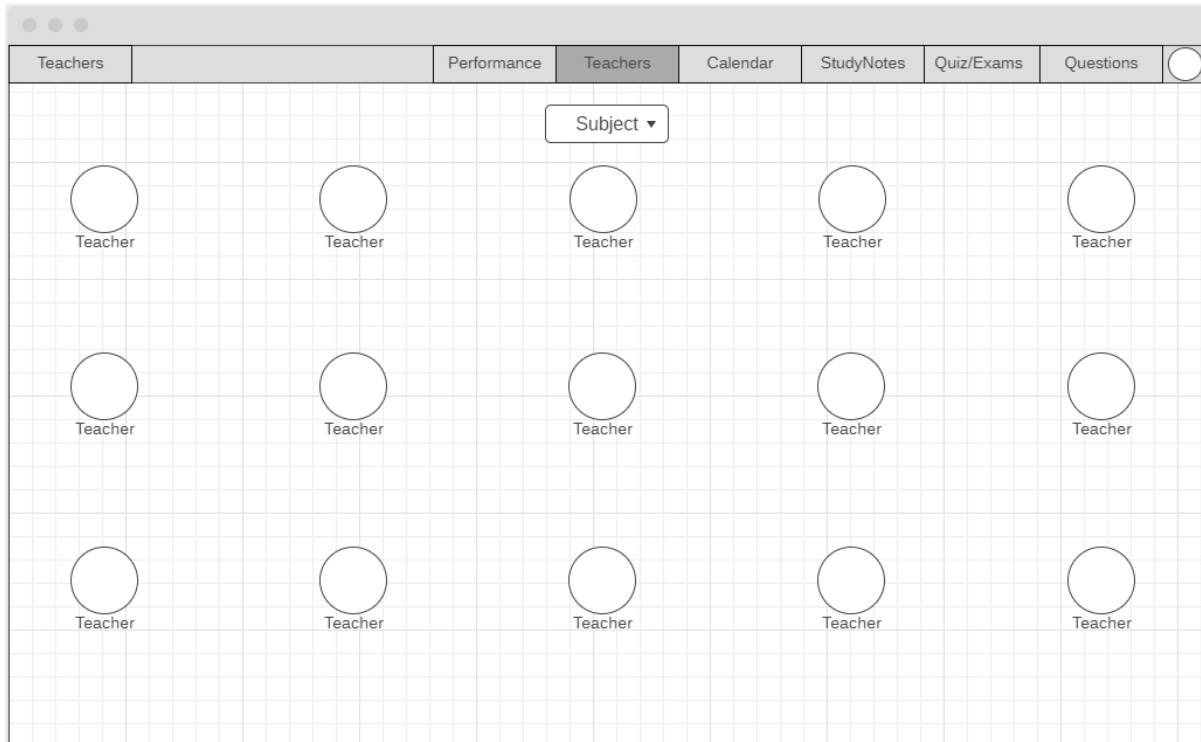
## Calendar

	Mon	Tue	Wed	Thur	Fri
HHmm					
HHmm		██████████			
HHmm		██████████			
HHmm		██████████			
HHmm					
HHmm			██████████		
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Calendar page will have:

- Filter
  - Subject: To view scheduled exams for particular subject
- Calendar Panel
  - Will be a table with time of the day as row and day of the week
  - Scheduled exam will be shown on the table as per schedule

## Teachers



Classes page will have:

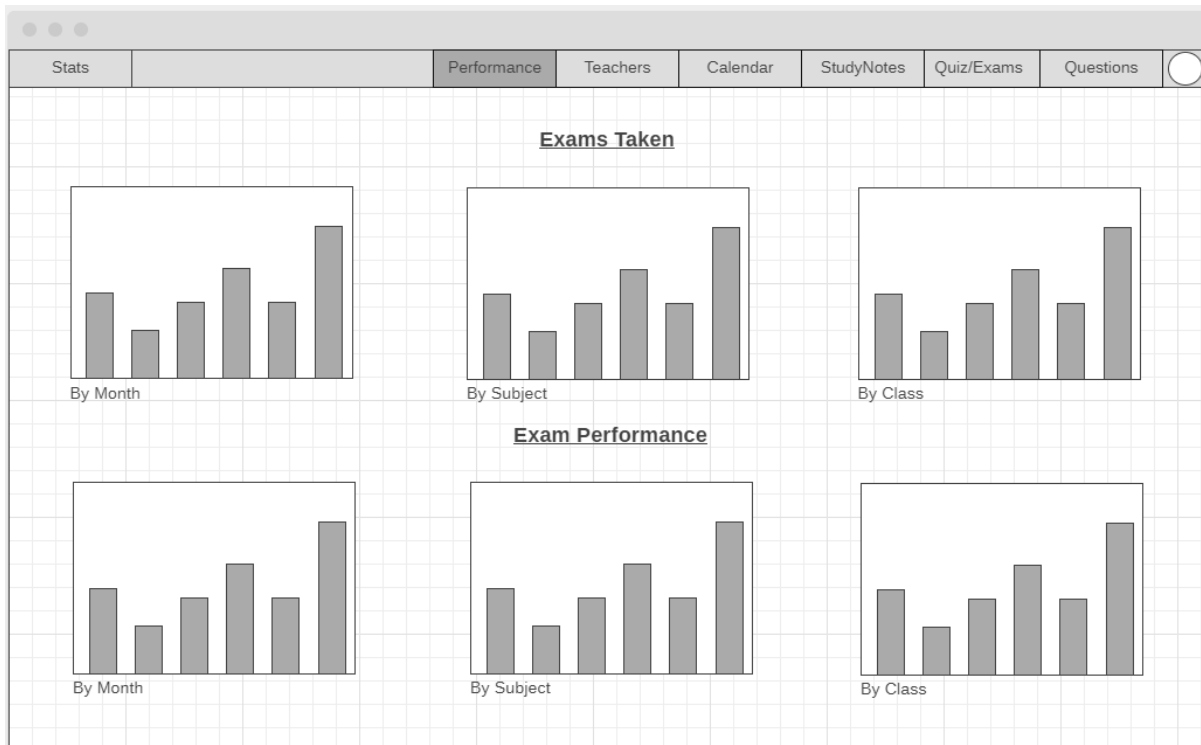
- Dropdown list to select subject
- List of teachers based on dropdown selection
- Each teacher will be shown by an avatar/profile picture and their name
- Upon clicking the teacher, it will take student to teachers' profile

## Performance

Sub options to view personal or student performance

- Performance Stats: Graph for performance stats for exam taken and exam performance
- Performance Details: Performance details based on filters

## Stats



Performance Stats page will have:

- List of charts showing stats for exams taken by the student
  - By Month
  - By Subject
  - By Class, etc.
- List of charts showing stats for exams performance
  - By Month
  - By Subject
  - By Class, etc.



## Details

**Select**

Year  ▼

Class  ▼

Subject  ▼

Quiz  ▼

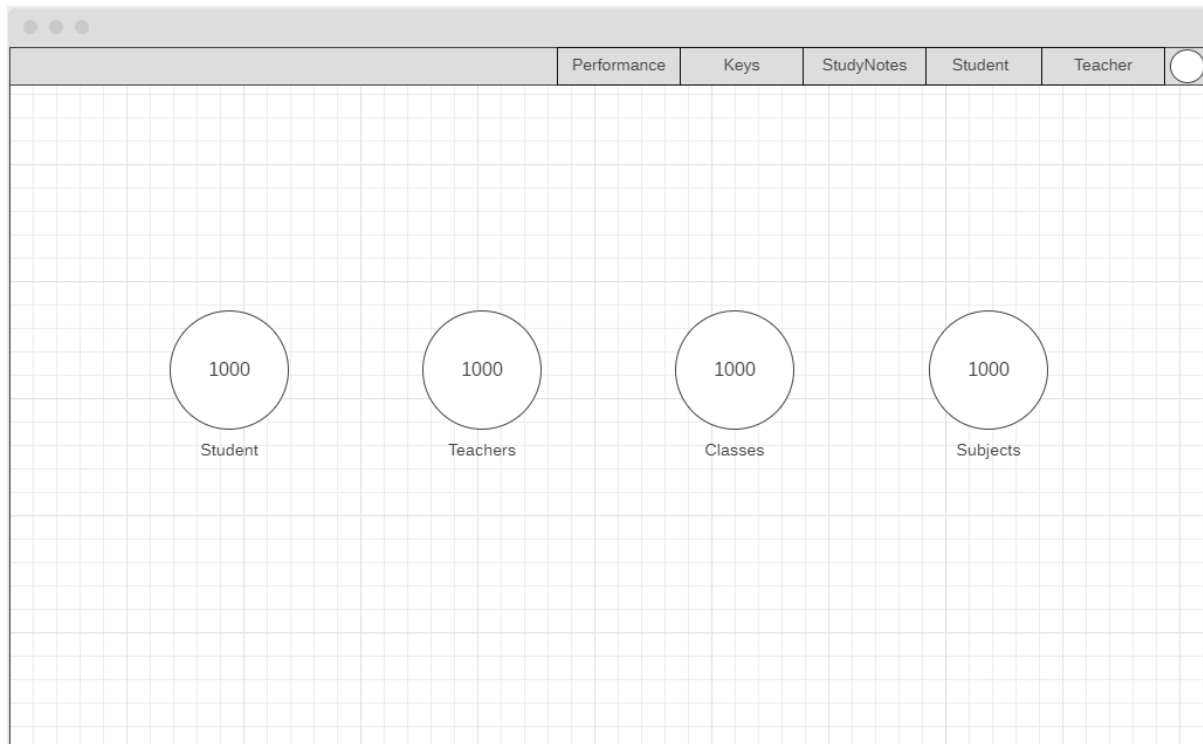
**Performance Stats**

**Teachers Remarks**

Performance Details page will have:

- Dropdown list filter
  - By year
  - By class
  - By subject
  - By exam
- Charts based on filters showing
  - Overall student performance
  - Teacher remarks

## Institute Admin view



Institute Admin homepage should display stats as follows:

- Number of teachers
- Number of students
- Number of classes
- Number of subjects, etc.

Institute Admin homepage should have following tabs/navigation options

- Profile
- Teacher
  - This should have sub options to
    - Add Teacher: Add new teachers to the system
    - Edit Teacher: Edit key details for the teacher
    - View Teacher: To view all the teachers available in the system
- Student
  - This should have sub options to
    - Add Student: Add new students to the system
    - Edit Student: Edit key details for the student
    - View Student: To view all the students available in the system
- Keys
  - This should have sub options to
    - Add/Edit Subject
    - Add/Edit Category
    - Add/Edit Tags
- Performance
  - This should have sub options to
    - Dashboard

- Create Dashboard

## Profile

The screenshot shows a web interface for a profile page. At the top, there are five navigation tabs: "Profile", "Performance", "Keys", "Student", and "Teacher". The "Profile" tab is currently selected. Below the tabs is a form with a light gray grid background. The form contains several input fields: "Name", "Phone Number", "Date of Establishment", "Address", "City", "State", and "Bio". To the right of these fields is a square placeholder for a profile picture, indicated by a large 'X'. At the bottom right of the form, there are two buttons: "Edit" and "Save".

Profile Page will have:

- Editable by Student
  - Profile Picture
  - Phone Number
  - Address
  - Bio
- Not editable by Student
  - Name
  - Date of Establishment
  - City
  - State
- Button to Edit and Save details

## Teacher

Should have sub options to

- Add Teacher: Add new teachers to the system
- Edit Teacher: Edit key details for the teacher
- View Teacher: To view all the teachers available in the system

## Add Teacher

The screenshot shows a web application window titled 'Add Teacher'. The window has a navigation bar with tabs: 'Add Teacher', 'Performance', 'Keys', 'Student', and 'Teacher'. The 'Add Teacher' tab is active. The main content area is a form with the following fields:

- Name: Text input field
- Phone Number: Text input field
- Date of Birth: Text input field
- Date of Joining: Text input field
- Teaching Since: Text input field
- Teaching: A table with two columns, 'Subject' and 'Class', and a '+' button to add more rows.

Below the form is a large empty rectangular area, likely a drag-and-drop zone for file uploads. At the bottom of the form, there are four buttons: 'Template', 'Upload', 'Preview', and 'Add'.

Add Teacher page will have:

- Options to manually add teacher by entering
  - Name
  - Phone Number
  - Date of Birth
  - Date of Joining
  - Teaching Since
  - List of Subject and Class pair whom the teacher will be teaching
- Upload a CSV/Excel file with all the above details
  - Template button will give sample CSV/Excel file
  - Upload button can be used to upload file directly from file system
  - Drag and Drop area to upload file
- Buttons
  - Preview: To preview teacher details before submitting them
  - Add: To submit details

## Edit Teacher

The screenshot shows a web application window titled "Edit Teacher". The window has a navigation bar with tabs for "Edit Teacher", "Performance", "Keys", "Student", and "Teacher". The "Edit Teacher" tab is active. The main content area is a form with a grid background. The form contains the following fields and buttons:

- Username:** A text input field with a "Deactivate" button and a "Change" button to its right.
- Name:** A text input field.
- Phone Number:** A text input field.
- Password:** A text input field with a "Generate" button to its right.
- Date of Birth:** A text input field.
- Date of Joining:** A text input field.
- Teaching Since:** A text input field.
- Teaching:** A table with two columns: "Subject" and "Class". It contains two rows of text input fields. A "+" button is located to the right of the second row.
- Preview:** A button located at the bottom right of the form.
- Update:** A button located at the bottom right of the form.

Edit Teacher page will be used to edit, deactivate/activate and change password for the teacher

Edit Teacher page will have:

- Input option to enter Username
- Buttons
  - Deactivate: To Deactivate/Activate teacher based on username provided
  - Change: To change details such as
    - Name
    - Phone Number
    - Password: By pressing Generate button
    - Date of Birth
    - Date of Joining
    - Teaching Since
    - Teaching: Class and subject pair
  - Preview: To preview changes before submitting
  - Update: To make the changes

## View Teacher

The wireframe shows a web page titled "View Teacher". At the top, there is a navigation bar with tabs for "View Teacher", "Performance", "Keys", "Student", and "Teacher". Below the navigation bar, there is a search section with three input fields labeled "By Name", "By Class", and "By Subject", and a "Search" button. The main content area displays a grid of ten placeholder teacher profiles, each consisting of a circular avatar and the text "Teacher" below it.

View Teacher page will be used for viewing teachers' profile by Name, Class, Subject

View Teacher page will have

- Text Input: To search teachers by name
- Dropdown List: To search teachers by Class, Subject
- Search Button: To search teachers based on selection
- List of teachers based on search criteria
  - Each teacher will be shown by an avatar/profile picture and their name
  - Upon clicking the teacher, it will take institute admin to teachers' profile

## Student

Should have sub options to

- Add Student: Add new students to the system
- Edit Student: Edit key details for the student
- View Student: To view all the students available in the system

## Add Student

The screenshot shows a web application interface for adding a student. At the top, there is a navigation bar with tabs for 'Add Student', 'Performance', 'Keys', 'Student', and 'Teacher'. The 'Add Student' tab is active. Below the navigation bar, there is a form with the following fields: Name, Phone Number, Date of Birth, Date of Joining, Class, and Subject. Each field has a corresponding input box. The Subject field has a small circular button with a plus sign next to it. Below the form fields, there is a large empty rectangular area for a drag and drop file upload. At the bottom of the form, there are three buttons: 'Template', 'Upload', 'Preview', and 'Add'.

Add Student page will have:

- Options to manually add student by entering
  - Name
  - Phone Number
  - Date of Birth
  - Date of Joining
  - Class
  - List of Subject a student belongs to
- Upload a CSV/Excel file with all the above details
  - Template button will give sample CSV/Excel file
  - Upload button can be used to upload file directly from file system
  - Drag and Drop area to upload file
- Buttons
  - Preview: To preview student details before submitting them
  - Add: To submit details

## Edit Student

The screenshot shows a web application window titled "Edit Student". The window has a header with several tabs: "Edit Student", "Performance", "Keys", "Student", and "Teacher". The "Edit Student" tab is currently selected. Below the header, there is a grid of input fields and buttons. The fields are labeled: "Username", "Name", "Phone Number", "Password", "Date of Birth", "Date of Joining", "Class", and "Subjects". The "Subjects" field has a "+" button below it. There are also buttons for "Deactivate", "Change", "Generate", "Preview", and "Update".

Edit Teacher page will be used to edit, deactivate/activate and change password for the student

Edit Teacher page will have:

- Input option to enter Username
- Buttons
  - Deactivate: To Deactivate/Activate student based on username provided
  - Change: To change details such as
    - Name
    - Phone Number
    - Password: By pressing Generate button
    - Date of Birth
    - Date of Joining
    - Class
    - Subject: List of subjects
  - Preview: To preview changes before submitting
  - Update: To make the changes



## View Student

The image shows a wireframe of a 'View Student' web page. The page has a header with tabs for 'View Student', 'Performance', 'Keys', 'Student', and 'Teacher'. Below the header is a search section with three text input fields labeled 'By Name', 'By Class', and 'By Subject', followed by a 'Search' button. Below the search section is a grid of ten student profile cards, each consisting of a circular avatar and the word 'Student' underneath.

View Student page will be used for viewing students' profile by Name, Class, Subject

View Student page will have

- Text Input: To search students by name
- Dropdown List: To search students by Class, Subject
- Search Button: To search students based on selection
- List of students based on search criteria
  - Each student will be shown by an avatar/profile picture and their name
  - Upon clicking the teacher, it will take institute admin to students' profile

## Keys

Keys will be added by Institute Admin to be used by Teacher and Student

Should have sub options to

- Add/Edit Subject
- Add/Edit Category
- Add/Edit Tags

## Add/Edit Subject

The wireframe shows a web interface for managing subjects. At the top, there are navigation tabs: 'Add/Edit', 'Performance', 'Keys', 'Student', and 'Teacher'. The main area is on a grid background. On the left, there is a 'Subject' label followed by a text input field, a circular '+' button, and an 'Add' button. To the right, there is a 'Subjects' label followed by a list of three subject entries, each with a vertical line on the left, an 'Edit' button, and a circular '-' button. Below this is a large rectangular area labeled 'Upload'. At the bottom of the page, there are four buttons: 'Template', 'Upload', 'Preview', and 'Save'.

Add/Edit Subject page will have

- Options to manually add subject by entering
  - Text Input: To enter list of subjects
  - Add Button: To add list of subjects
- Upload a CSV/Excel file with list of subjects
  - Template button will give sample CSV/Excel file
  - Upload button can be used to upload file directly from file system
  - Drag and Drop area to upload file
- Options to edit subject
  - Edit Button: To make changes or remove subjects which are already available
  - Subject List: Which can be edited after clicking Edit Button
- Buttons
  - Preview: To preview student details before submitting them
  - Save: To submit the changes

## Add/Edit Category

The screenshot shows a web application window titled "Add/Edit Category". The window has a navigation bar with tabs for "Add/Edit", "Performance", "Keys", "Student", and "Teacher". The main content area is divided into two sections: "Add" and "Edit".

**Add Section:**

- Subject: A dropdown menu labeled "Subject" with a downward arrow.
- Category: A text input field with a "+" button to its right.
- Buttons: "Add" and "Edit" buttons.

**Edit Section:**

- Subject: A dropdown menu labeled "Subject" with a downward arrow.
- Category: A text input field with a "-" button to its right.
- Buttons: "Edit" button.

**Upload Section:**

- Upload: A large empty rectangular area for file upload.
- Buttons: "Template", "Upload", "Preview", and "Save" buttons.

Add/Edit Category page will have

- Options to manually add category by entering
  - Dropdown Button: To select subject
  - Text Input: To enter list of categories
  - Add Button: To add list of categories
- Upload a CSV/Excel file with list of subject-category pair
  - Template button will give sample CSV/Excel file
  - Upload button can be used to upload file directly from file system
  - Drag and Drop area to upload file
- Options to edit category
  - Dropdown Button: To select subject
  - Edit Button: To make changes or remove category which are already available
  - Category List: Which can be edited after clicking Edit Button
- Buttons
  - Preview: To preview student details before submitting them
  - Save: To submit the changes

## Add/Edit Tags

The screenshot shows a web application window titled "Add/Edit Tags". The window has a header bar with tabs: "Add/Edit", "Performance", "Keys", "Student", and "Teacher". The main content area is on a grid background and contains two columns of form elements. The left column has "Subject" (dropdown), "Category" (dropdown), and "Tag" (text input with a "+" button). The right column has "Subject" (dropdown), "Category" (dropdown), and "Tag" (text input with a "-" button). Below these is a large "Upload" area. At the bottom, there are buttons for "Template", "Upload", "Preview", and "Save".

Add/Edit Tags page will have

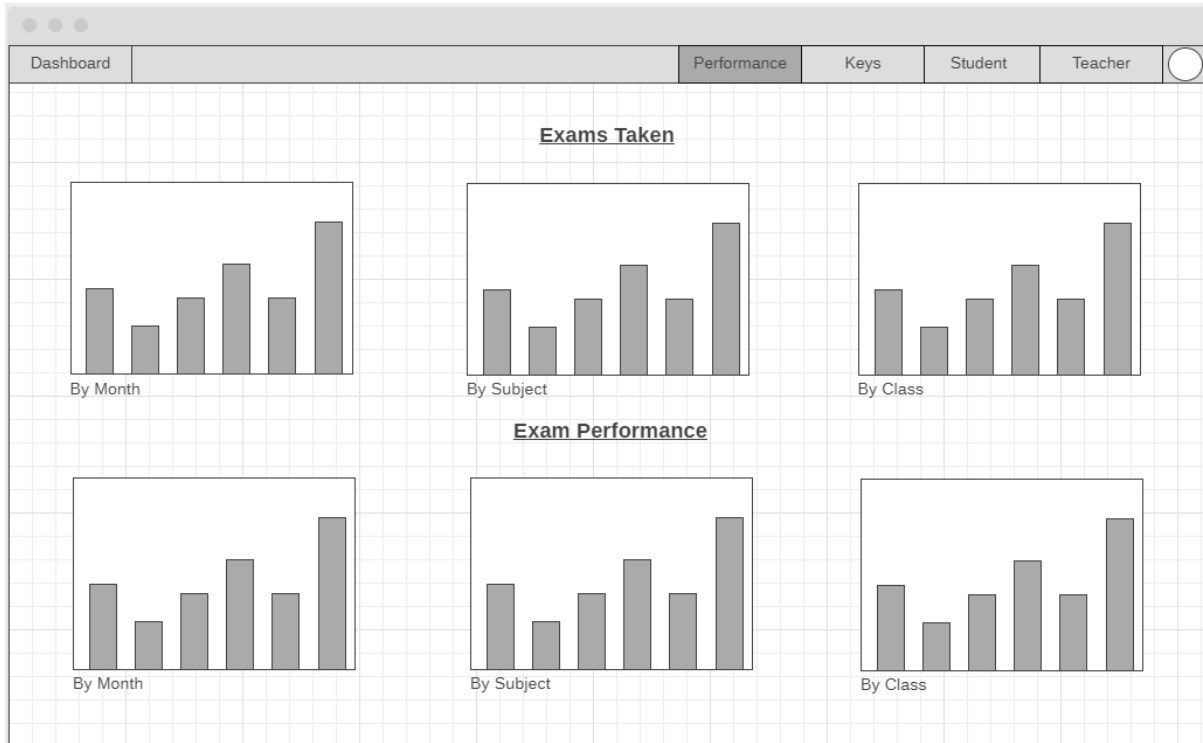
- Options to manually add tag by entering
  - Dropdown Button:
    - To select subject (optional)
    - To select category (optional)
  - Text Input: To enter list of tags
  - Add Button: To add list of tags
- Upload a CSV/Excel file with list of subject-category-tag pair
  - Template button will give sample CSV/Excel file
  - Upload button can be used to upload file directly from file system
  - Drag and Drop area to upload file
- Options to edit category
  - Dropdown Button:
    - To select subject
    - To select category (optional)
  - Edit Button: To make changes or remove tags which are already available
  - Tag List: Which can be edited after clicking Edit Button
- Buttons
  - Preview: To preview student details before submitting them
  - Save: To submit the changes

## Performance

Should have sub options to

- Dashboard
- Create Dashboard

## Dashboard



Dashboard page will show reports created by Institute Admin

## Create Dashboard

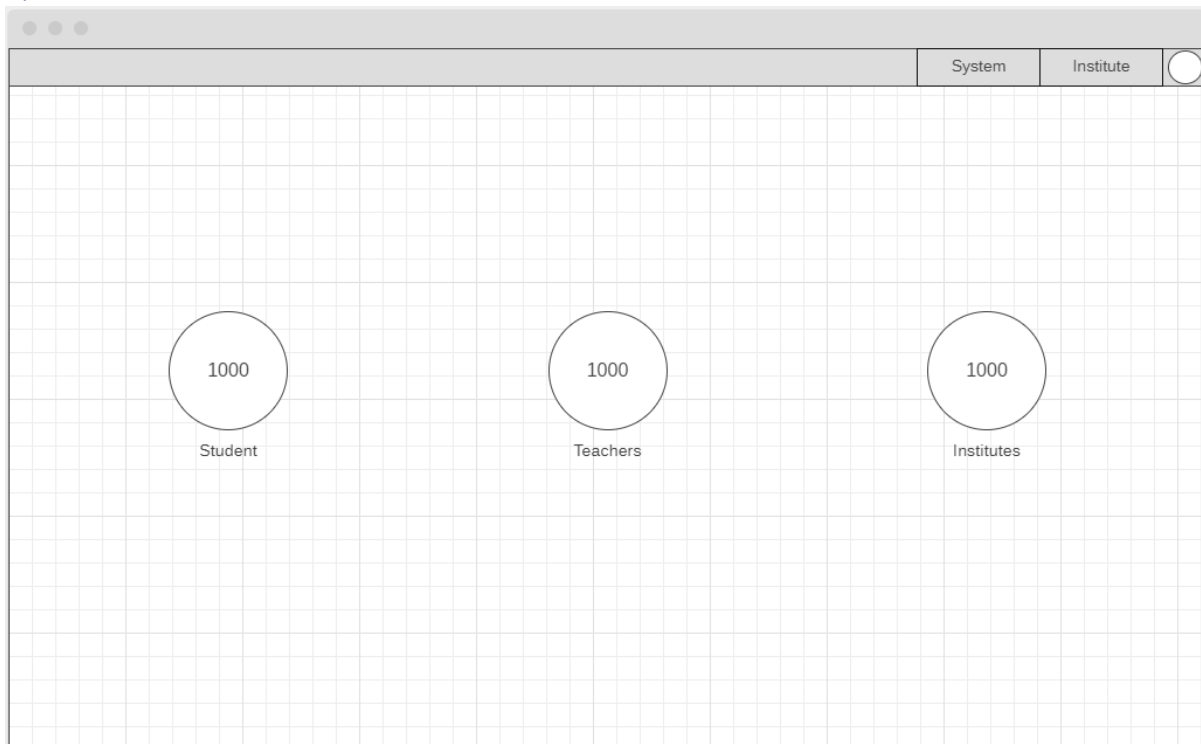
The screenshot shows a 'Create Dashboard' window with a title bar containing three dots and a close button. The main content area is divided into four sections: 'Tables', 'Query', 'Results', and 'Charts'. The 'Tables' section is empty. The 'Query' section contains a single vertical bar. The 'Results' section is empty. The 'Charts' section is empty. At the bottom of the window, there are three buttons: 'Save', 'Download', and 'Create'.

Create Dashboard page will be used to query and create custom reports

Create Dashboard page will have

- Tables Section: To see tables views for the data create by Institute Admin/Teacher/Student
- Query Section: To write and run custom queries on top of views available
- Results Section: To display results for the custom query
- Charts Section: To choose between various charts available for particular query
- Buttons
  - Save: To save query
  - Download: To download query results
  - Create: To create dashboard based on the selection

## System Admin view



System Admin page should display stats as follows:

- Number of institutes
- Number of teachers
- Number of students, etc.

Student homepage should have following tabs/navigation options

- Institute
  - This should have sub options to
    - Add Institute: Add new institute to the system
    - Edit Institute: Edit key details for the institute
    - View Institute: To view all the institutes available in the system
- System
  - This should have sub options to
    - Dashboard
    - Create Dashboard

## Institute

### Add Institute

The screenshot shows a web form titled "Add Institute" with a header bar containing "Add Institute", "System", and "Institute". The form fields are:

- Name
- Phone Number
- Date of Establishment
- Address
- City
- State

Below the fields is a large empty rectangular box. At the bottom, there are four buttons: "Template", "Upload", "Preview", and "Add".

Add Institute page will have:

- Options to manually add institute by entering
  - Name
  - Phone Number
  - Date of Establishment
  - Address
  - City
  - State
- Upload a CSV/Excel file with all the above details
  - Template button will give sample CSV/Excel file
  - Upload button can be used to upload file directly from file system
  - Drag and Drop area to upload file
- Buttons
  - Preview: To preview institute details before submitting them
  - Add: To submit details



## Edit Institute

Username  Deactivate Change

Name

Phone Number

Password  Generate

Date of Establishment

Address

City

State

Preview Update

Edit Institute page will be used to edit, deactivate/activate and change password for the institute

Edit Institute page will have:

- Input option to enter Username
- Buttons
  - Deactivate: To Deactivate/Activate Institute based on username provided
  - Change: To change details such as
    - Name
    - Phone Number
    - Password: By pressing Generate button
    - Date of Establishment
    - Address
    - City
    - State
  - Preview: To preview changes before submitting
  - Update: To make the changes

## View Institute

The wireframe shows a web page titled "View Institute". At the top, there is a navigation bar with three tabs: "View Institute" (active), "System", and "Institute". Below the navigation bar, there are three search input fields labeled "By Name", "By City", and "By State", each followed by a "Search" button. The main content area is a grid of ten institute profiles, each consisting of a circular avatar and the text "Institute" below it.

View Institute page will be used for viewing institute profile by Name, Class, Subject

View Institute page will have

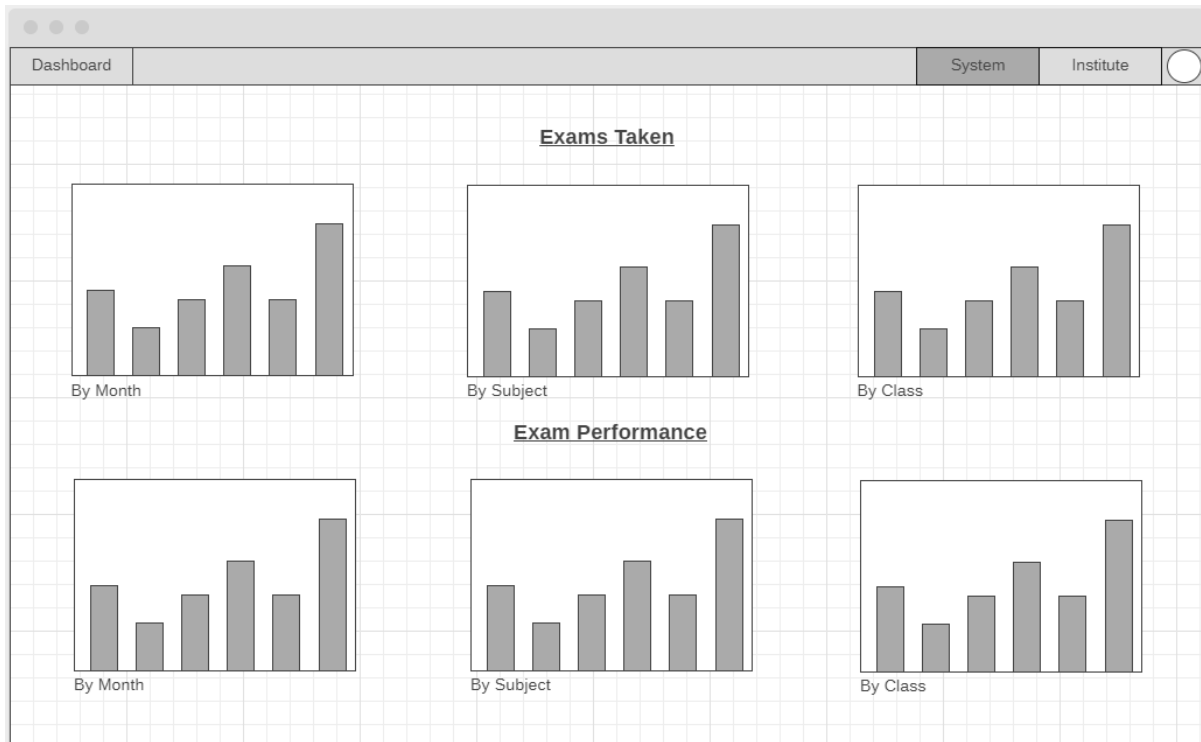
- Text Input: To search institute by name
- Dropdown List: To search institute by City, State
- Search Button: To search institute based on selection
- List of institutes based on search criteria
  - Each institute will be shown by an avatar/profile picture and their name
  - Upon clicking the institute, it will take System admin to institute profile

## System

Should have sub options to

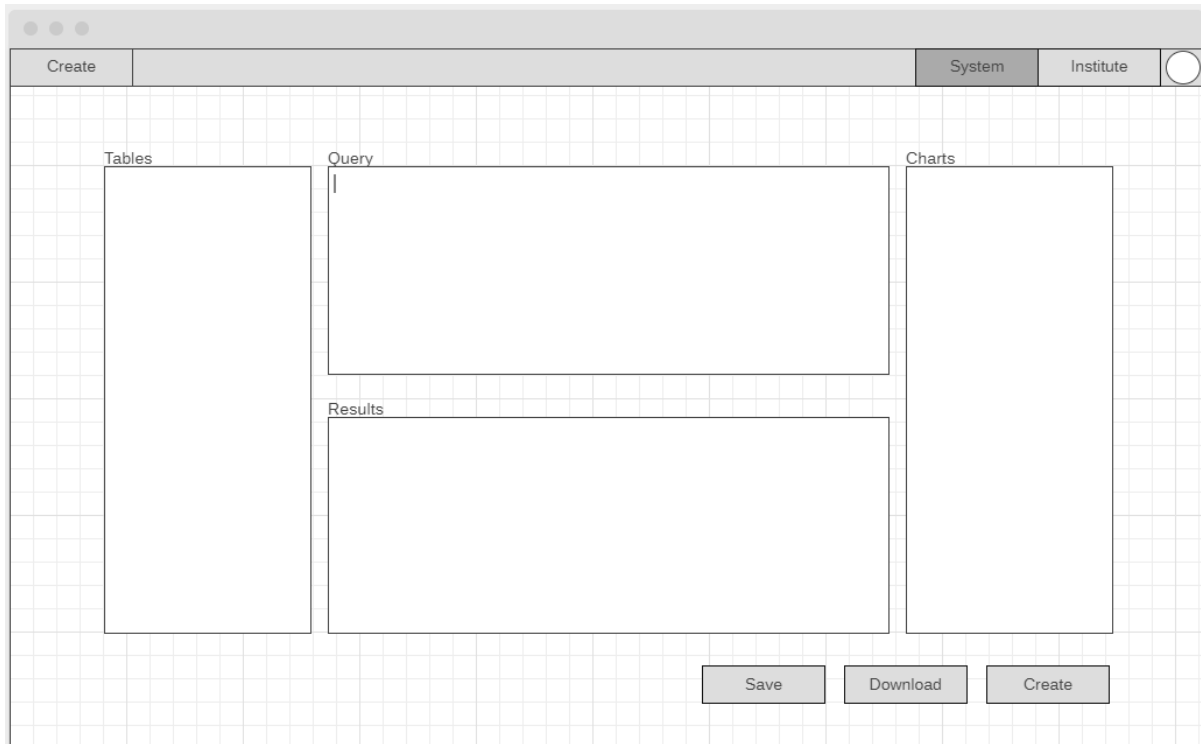
- Dashboard
- Create Dashboard

## Dashboard



Dashboard page will show reports created by System Admin

## Create Dashboard



Create Dashboard page will be used to query and create custom reports

Create Dashboard page will have

- Tables Section: To see tables views available in the system
- Query Section: To write and run custom queries on top of views available
- Results Section: To display results for the custom query
- Charts Section: To choose between various charts available for particular query
- Buttons
  - Save: To save query
  - Download: To download query results
  - Create: To create dashboard based on the selection

## Back-End

System should have

- Database to store
  - User login details (Teacher/Student/Institute Admin/System Admin)
  - User profile details (Teacher/Student/Institute Admin)
  - Question
  - Exams
  - Notes
  - Exam results
  - Exam schedules
  - Subjects
  - Categories
  - Tags, etc
- Notification system to send notification
  - On scheduling exam
  - Advance notification before exam starts
  - Advance notification before exam end
  - When a submission is done
  - When an evaluation is done
  - When an account is created
  - When password is changed
  - When profile is changed
  - Notification should be sent to mobile, etc.
- Email/Messenger
  - To post questions to Teachers
  - To raise issues with Admin
  - To see notifications