User Case Scenarios

Student Doubt Solving System

The Link

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Use Case Scenario 1

Use Case ID	UC-01
Use Case	Upload Study Material
Use Case Purpose	To upload study material from user's end to the server.
Use case Description	The goal of this use case is to accumulate the study material, which will be available to all the students. The study material may include previous year papers, notes etc.
Assumptions	The person operating the device must have the basic knowledge of operating the electronic devices, stable internet connection and must have some valid study material for uploading.
Variations	As of now, there is no variation in the upload method.
Trigger	User navigates to upload study material page and clicks on the button.
Primary Actors	The primary actors here are students and faculty.
Secondary Actors	The secondary actors are admin and study material database.
Pre-Conditions	User must be associated with the institute. User must be logged in to system.
Normal Scenario	Actor Action (AA) User uploads the material and presses the submission button. System Response (SR) System flashes a confirmation message

	after user has successfully uploaded the material. System Action (SA) Load the data and upload it to the database of unverified (if the user is student) or verified (if user is faculty) study material.
Extension points	There are no extension points to the main flow of the use case.
Alternate Scenario	Instead of uploading the material, the user presses cancel button and navigates back to the dashboard and come out of the use case.
Post Conditions	Success end condition The study material is uploaded on the server and the database is updated to reflect the changes. Failure end condition The user is unable to upload the study material, due to unstable internet etc. Henceforth, the data base remains unchanged. Minimal Guarantee No unauthorized usage can be made of the resources uploaded by the user. User is logged out of the system.

Special Requirements	1. **Responsiveness:** The system running on one platform should be converted easily to run on another platform. 2. **Reliability:** Reliability should be good, i.e., the ability of the system to behave consistently in the manner expected by the user when operating in the environment for which the system was intended. 3. **Availability:** The system should be always available, which means that the user can access the system using a web browser, limited only by the downtime of the server on which the system is running. 4. **Maintainability:** The commercial database should be used to maintain the database, and the application server should be responsible for the application. 5. **Security:** Secure access to confidential data such as customer information. 6. **User friendly:** Website must be user-friendly so that it is easy for the customer to use it. 7. **Performance:** The performance of the website should be fast. 8. **Efficient:** Website must be efficient so that it does not get stuck during heavy traffic.

Use Case Scenario 2

Use Case ID	UC-02
Use Case	Approve study material
Use Case Purpose	To authenticate the study material uploaded by the users.
Use case Description	The goal of this use case is to make sure that only valid resources are made available for all.
Assumptions	The person operating the device must have the basic knowledge of operating the electronic devices, stable internet connection and must have a Thapar ID.
Variations	As of now, there is no variation in the approval method.
Trigger	Admin will navigate to approve study material page, and clicks on the button.
Primary Actors	The primary actor here is admin.
Secondary Actors	The secondary actors are students and faculty.
Pre-Conditions	User must be an administrator. Uploaded material should be in pdf format.
Normal Scenario	Actor Action (AA) Admin validates the resources uploaded by students. System Response (SR) System flashes a confirmation message after authentication of resources.

	System Action (SA) Update the status to verified and make the material visible to all.
Extension points	There are no extension points to the main flow of the use case.
Alternate Scenario	Instead of validating the resources, the admin discards the uploaded the material.
Post Conditions	**Success end condition** The resources are authenticated and uploaded to the database to reflect the changes. **Failure end condition** The admin is unable to verify the study material, due to unstable internet etc. Henceforth, the data base remains unchanged. **Minimal Guarantee** No unauthorized usage can be made of data uploaded.
Special Requirements	1. **Responsiveness:** The system running on one platform should be converted easily to run on another platform. 2. **Reliability:** Reliability should be good, i.e., the ability of the system to behave consistently in the manner accepted by the user when operating in the environment for which the system was intended.

3. **Availability:** The system should be always available, which means that the user can access the system using a web browser, limited only by the downtime of the server on which the system is running.

4. **Maintainability:** The commercial database should be used to maintain the database, and the application server should be responsible for the application.

5. **Security:** Secure access to confidential data such as customer information.

6. **User friendly:** Website must be user-friendly so that it is easy for the customer to use it.

7. **Performance:** The performance of the website should be fast.

8. **Efficient:** Website must be efficient so that it does not get stuck during heavy traffic.