

USER STORIES

GROUP – 3

LAB : 3

COURSE : IT-314

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Functional Requirements :-

1. Login / Registration

User Story : As a user (student and faculty) I would like to have a secure and an efficient login portal so that I can have access to my personal profile without any breach of privacy.

Back of Card – We will provide a sign up feature that will take the necessary details of the user to create their account on the portal. The users will have to provide their IDs and passwords and then we will log them into their accounts. After logging in they can continue to proceed further on the website. Users can use a "Remember me" option so that we can save their login credentials in cache. The portal will have a reset password setting where we will generate a one time password and send it through email to the user so that they can use the password to change their password.

Failure – If the user enters wrong credentials for their login on the website, the website will warn them of this error and then send the user an email to change the password so that they can be saved from any potential misuse of the account.

2. Dashboard (Faculty)

User story : As a faculty, I want to view my profile section where I can edit my personal information and can see the general information of all the students whenever required.

Back of the card : Users should be easily able to browse/navigate through the options provided on the dashboard and it should be intuitive and user friendly. All the information like facultyID, faculty photo, research areas, should be clearly visible to the students so that they can go through the recent ongoing projects.

3. Dashboard (Student)

User story / front of card : As a student I should be able to view a dashboard which should display my general information such as name, student id, courses, etc.

Back of card / criteria : The user interface prominently displays the dashboard of students. Dashboard will display student photo, name (which will already be displayed / non edited), student id(non editable), address, contact number, etc. Rest all details would be editable by the student.

Failure– Students may provide false information such as fake 12th percentage , student photo etc.

4. Course Enrollment (Student)

User Story : As a user, I should be able to browse through my recent semester courses. After selecting a course. After enrolling in the particular course, I should receive confirmation of successful course enrollment.

Back of card : One unique token will be generated for each and every student and they will be mapped to their courses automatically.

Failure : The link which has been sent to the student may expire if the student does not join immediately to the course.

5. Course Enrollment (Admin)

User Story : As an admin, I must be capable of offering all my courses for different semesters and batches . I should also have the privilege to modify the details of the courses. Furthermore, I should be able to view and edit the list of students who have enrolled in various courses. Upon the completion of the student enrollment, I need to receive a list or summary of the students who have successfully enrolled in my courses.

Back of card : One unique token will be generated for each and every faculty and they will be mapped to their courses automatically.

6. Course Details (Admin)

User Story : As a faculty, I want to be able to post assignments, projects, quizzes and course material to all the students registered in my course together.

Back of card: The user interface will show a list of courses offered by me this semester and will allow me to broadcast or post a course material or assignment along with its due date.

The faculty should be able to see the submissions of students after the due date passes and be able to grade them whose visibility can be set by the faculty member itself.

7. Course Details (Student)

User Story: As a student, I should be able to see all the course materials posted by the faculty concerning a specific course. I should be able to submit my assignment, projects, quizzes and should be able to discuss/interact with the professor regarding any doubts.

Back of card: The user interface will display a list of all the courses the student has registered to in the current semester and it will output all the pending assignments or course material according to its due date if applicable. The student can then submit the file from either his own machine or from drive or cloud which will show if the submission was successful or not.

Failure: The submission can fail if the file size exceeds maximum limit or the file type does not match requirements on which an alert message should be sent.

8. Query/Feedback section (Student)

User Story : As a student, I want an open query section where I can communicate with faculty and other students regarding queries related to course materials.

Acceptance Criteria/Back of card : The user interface will display a query section button which will redirect the user to a query section page. In the query section page, the user will get an option to select the course in which he/she wants to post the query. Now, a query box will appear, where the student will write his query and can send it. After sending the query, it will appear on a common query page along with the student name/id which will be visible to everyone registered in that course along with faculty.

9. Query/Feedback section (Faculty)

User Story : As a faculty, I want an open query section where I can communicate with the students and resolve their doubts whenever required.

Acceptance Criteria/Back of card : The user interface will display a query section button which will redirect the user to a query section page. In the query section page, the user will get an option to select the course in which he/she can view queries of students and respond accordingly. Faculty can also make announcements whenever required.

10. Course Progress (Student)

User Story : As a student, I want to track my individual progress for ongoing courses and compare it with faculty progress and take the required steps accordingly.

Acceptance Criteria/Back of card : Students will be able to view the marks in the assigned labs, quizzes and assignments and would also be able to view the total marks scored so that he/she can keep track of their individual progress in the particular course.

11. Course Progress (Faculty)

User Story : As a faculty, I should keep track of how much syllabus has been covered in the particular course.

Acceptance Criteria/Back of card : Faculty should be able to assign marks to individual labs, quizzes, assignments and projects. Faculty should also be able to keep track of academic progress of individual students in his course.

Non – Functional Requirements :-

12. Security

User Story : As a user, I want my registration and login process to be safe and secure.

Acceptance Criteria/Back of card : A strong randomly generated password will be emailed to the user while registering which will be used for registration of user. Upon registration, users would be prompted to set their own password with strict security requirements including length, character diversity and resistance to common passwords, ensuring safety of account.

13. Data Consistency

User Story : As a user of the course management website, I rely on the system to ensure the integrity and reliability of data when uploading, downloading, and storing assignment and project files.

Back of Card : Data consistency measures include implementing data validation checks during file uploads and downloads to detect and prevent corruption or tampering. Additionally, the system shall maintain redundancy and backups of assignment and project files to mitigate data loss risks.

14. Data Availability.

User Story :As a user of the course management platform, I want assurance that my course materials, assignments, and project data are consistently available and accessible.

Back of Card : To fulfill this user story, the course management system will leverage cloud-based storage solutions to ensure data availability. Data, including course materials, assignments, and project files, will be stored in a reliable and redundant cloud infrastructure, minimizing the risk of downtime or data loss.

15. CSRF

User Story : As a user, I want the website to protect my account from sneaky attacks, so I can use it safely.

Back of Card : The website will use special codes to double-check requests, making sure they're coming from the right place. This keeps your account safe from tricky attacks.