IT314: Software Engineering
Group-33

Lab-3: Task-2

GROUP MEMBERS:

ID	Name
202201470	Priyank Asodariya
202201471	Dhwani Joshi
202201472	Kaushik Prajapati
202201475	Krutarth Kadia
202201476	Parva Patel
202201483	Neel Tandel
202201501	Jish Chanchapra
202201524	Yash Rathod
202201525	Heer Shah
202201527	Zenil Rupareliya

Online Learning Portal : LearnIt

Task 2:

- Develop the Product Backlog
  The product backlog must be written in the form of user stories (both front and back of the card)
- Consider all the stakeholders
  - Actors
  - Administrator
  - External Systems
  - Others

PRODUCT BACKLOG / USER STORIES

Title	Front of the Card	Back of the Card	Priority (MoSCoW)
Registration for a user	As an unregistered user i want to register to the platform so that i can take courses/ i can create courses.	1. User must be able to register using unregistered account 2. Users can not use already registered emails. 3. Users can verify using well-authorized platforms like gmail or yahoo. 4. A user profile will be created after registration	Must Have
Login for a user	As a registered user I want to login to the platform so that I can take courses or I can create courses.	1. Users can not login if they have not registered. 2. Users can login if and only if the combination of username and password is correct or exists in the database. 3. 'Remember me' ticked then the system will automatically login next time from the same device.	Must have
Search and filter for a course	As a user I want to search and filter courses so that I can see available courses of my preference.	1. Spelling of the user entered text must be correct. 2. System should only display courses with filtering criteria. 3. System should show all the available courses related to user search. 4. Users can apply multiple filters simultaneously. 5.	Must Have
Update Profile	As a user I want to update my profile page so that my profile has up-to-date information.	1. User should be a registered user. 2. Users should be logged in. 3. Users cannot change registered email.	Should Have

Course Preview	As a user I want to preview a course and watch demo lectures of a course before purchasing a course so that I can make better decisions for a course to take or not to take.	1. A course should have few lectures for demonstration. 2. Course must have course description and all the related information about the course. a.	Must Have
Roadmap	As a user I want a roadmap for a particular goal so that I can choose the order of courses to take to achieve my goal.	1. System will show an order of course topics and estimated time to achieve the goal. 2. Users can search course topics listed directly from the roadmap.	Could Have
User Guide	As a user, I want a user guide section so that I can learn how to use the system.	1. Users should be able to access the "User Guide" section that provides comprehensive documentation. 2. The documentation should cover various topics, including:How to navigate the system, Troubleshooting common issues,Guides for specific features or tasks (e.g., account setup). 3. Documentation should be accessible on both desktop and mobile devices.	Must have
Course	As an instructor, I want to create a course so that I can share my knowledge with learners.	1. An authorized instructor can create a course. 2. A course should get verified via admin. 3. Only the Instructor will be able to manage the newly created course via the course dashboard.	Must Have
Course Dashboard	As an instructor, I want a dashboard so that I can efficiently manage all course-related details from one place.	1. Dashboard will have course details if the instructor has created at least one course. 2. The dashboard should display a list of all courses created by the instructor, including course title, status (active / inactive), and key metrics (enrollments, progress).	MustHave

		3. The dashboard should include visual representations (e.g., graphs, charts) of course performance metrics such as number of enrollments, student feedback, and progress. 4. The dashboard should ensure that only the instructor who created the course can manage its details.	
Price, Offers and Discounts	As an instructor, I want to be able to set pricing and discounts on my offered course so that more students will enroll.	1. Discounts will be visible on the course description. 2. Only the instructor of that course can set the discount. 3. Only the Instructor can set the discount and offers, no system will be included in it.	Should Have
Course Lectures	As an instructor I want to upload videos to my course so that students can access it remotely.	1. Instructor must be an authorized user. 2. Instructors should be able to upload recorded lectures of their courses. 3. A lecture video should be verified by the admin. 4. A lecture should have title, description and all the lecture related information.	Must Have
Live Lectures	As an instructor I want to take live lectures so that students can learn interactively.	1. Instructor must be an authorized user. 2. Instructor must have a course created before taking a live lecture. 3. Instructors should be able to take live lectures of their courses. 4. A lecture should have title, description and all the lecture related information.	Could Have
Uploading materials	As an instructor, I want to be able to upload course materials so that students can revise it.	1. Only enrolled students in the specific course can get access to these materials. 2. The uploaded material should not be empty.	Must have

		3. Only the instructors of that course can upload the materials.	
Course Quizzes	As an instructor, I want to create a quiz so that students can evaluate their progress.	1. Students must be registered and buyers of the course. 2. Instructor should have a verified course to take a quiz. 3. Students should be able to see the solutions once the quiz is over.	Should Have
Collaboration among instructors	As an instructor, I want to collaborate with other instructors to develop courses together.	1. Instructors should not be able to collaborate with the students. 2. The collaborating instructors should be registered on the platform. 3. Instructors should be able to send invitations to other teachers for collaboration.	Could have
Course Purchase	As a user, I want to purchase a course so that I can improve my skills through the course.	1. A user must be authorized to buy a course. 2. The purchase process should include a payment form with options for payment methods 3. After completing the payment, the user should receive an order confirmation message or email with details of the purchase.	Must Have
Student Personalized Dashboard	As a Student, I want my personalized dashboard so that I can see my progress and upcoming live lecture and quiz.	1. The student should be logged in. 2. Other students and instructors do not have access to that dashboard. 3. The dashboard should be properly displayed.	Must have
Bookmark	As a student, I want to bookmark a course or course materials, so that I can access them easily.	1. Students must be registered. 2. Bookmarks can be accessed via the bookmark tab.	Could Have

Watchlist	As a student, I want to see my past history, so that I can resume my lecture progress.	1. History can be accessed via the history tab. 2. Particular student history must be private.	Could Have
Leaderboard	As a student, I want to view the course leaderboard, so that I can understand my ranking and performance compared to my peers.	1. A student must have given at least one quiz to appear in a leaderboard. 2. A course leaderboard can only be seen by course buyers or instructors. 3. A leaderboard should be updated on a daily basis. 4. In a leaderboard, students can view their and their peers rank and name.	Must Have
Downloading materials	As a student, I want to download course materials of enrolled courses, so that I can access them offline.	1. Users must be able to download course materials only after purchasing the course. 2. Users should be able to download the materials of the course only on the application interface. 3. Instructor has allowed the materials to be downloaded. 4. Users must be logged in everytime they want to access the materials.	Should have
Feedback	As a student,I want to review and rate a course after I complete it, So that I can share feedback and help future students make decisions.	1. The review should not contain any abusive words. 2. The review should be published on the course page and visible to other users. 3. Students must be enrolled in that course for them to give feedback on that course. 4. The feedback should be anonymous.	Should have
Discussion Forum	As a user, I want to participate in discussion forums so that I can	1. Instructors should include the discussion forum in their	Should have

	interact with other students and the course instructor to solve my doubts about the course content.	courses and users should be able to open the discussion forum and ask questions. 2. Only registered students in that course can get access to the discussion forum. 3. No inappropriate content should be present.	
Customer Support	As a user, I want customer support, so that I can resolve my technical queries with this feature.	1. A user can contact admin via email or customer service phone number. 2. Users need to be authenticated to access the support feature, ensuring that their requests are tied to their user account.	Must Have
Authentication of the user	As a system administrator, I want to securely store and view login credentials so that I can authenticate users.	1. The system must store login credentials securely in a database. 2. Login credentials should only be viewable by system administrators with appropriate permissions. 3. Passwords should be encrypted.	Must have
Generation of the certificates	As a system, I want to automatically generate and send certificates to users who completed a course, so that they can have proof of their course completion.	1. The system must generate a personalized certificate containing the user's name, course title, and completion date. 2. Users should be able to download certificates from their profile.	Must have
Secure Payment	As a system, I want to securely handle the payment process of course purchases, so that users can complete their payment safely.	1. Payment information should be encrypted. 2. The amount should have an appropriate value. 3. Correct details of the bank should be filled in.	Must have

Notifications	As a system,I want to send notifications about their courses/enroll courses to users so that they stay updated about course activities.	1. The system should trigger notification when some event occurs(like new lecture upload,payment confirmations,deadline of submissions/course). 2. The system should send notifications via App,Email or SMS. 3. The system should provide options to manage the notification.	Must have
Quiz Grading	As a system, I want to grade quizzes, so that students can see their scores and understand their performance.	1. The system automatically grades quizzes based on predefined correct answers or answer keys. 2. Students can view their score immediately after submission or once grading is complete.	Should Have
Badges for the users	As a system, I can assign badges to the users based on their performances, consistency, and achievements.	1. There should be a well-defined set of tasks from which the badges will be decided. 2. The badges must be different from each other and should have a proper reason for being assigned to someone.	Could have
Admin Verification	As an admin I want to verify course content so that no inappropriate content is uploaded.	1. Admin should get notified whenever there is a new upload of a content. 2. Admin should be able to delete a course content if it is found inappropriate.	Must Have
Customer Service	As an admin, I want to be able to receive customer queries so that I can help them to resolve.	1. Admins can respond to customer queries directly through the platform. 2. Only admins can access and manage customer queries, ensuring secure handling of sensitive information.	Must Have

User Management	As an admin, I want to manage user accounts so that I can maintain the integrity and security of the platform.	1. Admins should be able to view, edit, deactivate, or delete user accounts. 2. Admins can reset passwords for users upon request. 3. Admins can assign roles (e.g., student, instructor, admin) to users.	Must have
Course Approval and Moderation	As an admin, I want to approve or reject course submissions so that only quality and appropriate content is available on the platform.	1. Admins should receive notifications when a new course is submitted for approval. 2. Admins can review course descriptions, materials, and videos. 3. Admins can approve, reject, or request changes for the submitted courses.	Must have
Manage Payments and Refunds	As an admin, I want to handle payments and process refunds so that financial transactions are managed accurately.	1. Admins should be able to view all transactions and payment history. 2. Admins can process refunds in case of dispute. 3. Admins can generate financial reports.	Should have