

User: Learner, Educator, Product Owner, Administrator, Parents

Epics: User Account Management, Virtual Learning Environment, Communication and collaboration, Progress Tracking and Reporting, Administrative and Content Management.

User Account Management:

As a Learner, I want to register with my email so that I can easily access the platform.

- Implement an email registration system with input validation and verification.
- Develop a Forget Password feature for account recovery.

As an Educator, I want to create a profile with my credentials and expertise so that I can attract students to my courses.

- Design a profile page with fields for personal information, credentials, and areas of expertise.
- All educators to upload a profile picture and certificates for verification.
- Implement an edit option for updating the profile dynamically

As a Parent, I want to link my account to my child's profile so that I can monitor their progress.

- Design parent portal which enables access to his/her child's academic progress.
- Create a dashboard for parents to view their child's progress and course activities.
- Implement notifications for parents on child performance milestones or updates.

As a Product Owner, I want to analyse user registration trends so that I can make data-driven decisions.

- Build an analytics dashboard to display registration statistics
- Implement filters to categorize users by role (Learner, Educator, Parent).

Virtual Learning Environment:

As an Educator, I want to schedule live classes so that learners can join and interact in real-time

- Create a calendar interface for educators to schedule live classes with date and time selection.
- Integrate video conferencing tools (e.g., Zoom, Microsoft Teams, or a built-in solution).
- Implement notifications for learners about upcoming live classes.

As an Educator, I want to schedule and manage assessments within the platform so that learners can take tests seamlessly.

- Develop an assessment creation tool with options for multiple-choice, short-answer, and essay-type questions.
- Add scheduling functionality to set deadlines and availability windows for assessments.

As a Learner, I want to download study materials provided by educators so that I can use them offline

- Enable educators to upload files (e.g., PDFs, PPTs, videos) to the course materials section.
- Provide a download button for each uploaded material with proper file naming conventions.

- Implement a file access log for educators to track which materials are being downloaded.

As a Parent, I want to view the list of assignments my child has been given so that I can ensure they complete them

- Create a parent dashboard showing a list of assignments linked to their child's profile.
- Add assignment details, such as deadlines, completion status, and grades.
- Implement notification functionality to alert parents about upcoming assignment deadlines.

Communication and Collaboration:

As a Learner, I want to join a chat group for my class so that I can collaborate with my peers.

- Develop a class-specific chat group creation system linked to the course enrolment.
- Implement real-time messaging functionality

As an Educator, I want to make announcements to entire class so that everyone is informed about updates

- Create an announcement section for educators to post updates visible to all learners in the class.
- Enable scheduling of announcements to be sent at specific times.
- Provide notifications for learners when new announcements are made.

As a Parent, I want to communicate with my child's educator via messaging so that I can discuss their progress

- Implement a messaging system between parents and educators with message history.
- Add a notification system for both parents and educators for new messages.
- Include an option for educators to manage message preferences

As a Product Owner, I want to analyse the user feedback on communication tools so that I can prioritize enhancements for improved collaboration.

- Create feedback forms specifically for the communication tools
- Build an analytics dashboard to track and categorize feedback
- Generate reports highlighting areas for improvement based on user feedback trends.

Progress Tracking and Reporting:

As a Learner, I want to view my grades and progress reports so that I can identify areas for improvement.

- Create a table displaying registered courses and exams attended, along with the corresponding marks.

As an Educator, I want to track the completion rate of assignments so that I can assess learner participation.

- Display an up-to-date list of all submitted assignments.
- Provide access to submitted assignments with an option for educators to download them.
- Enable a resubmission feature for learners to submit updated assignments.

As a parent, I want to receive progress summaries via email so that I can stay informed about my child's performance.

- Automatically send email notifications when results are published.
- Generate and send an alert email if the child's attendance falls below 75%.

As a Product Owner, I want to analyse trends in course completion rates so that I can improve content offerings.

- Prepare a table summarizing the number of registered students and course completions.
- Develop graphs or visualizations to represent course completion trends.
- Trigger notifications when the number of course registrations fall below a specified threshold.

Administrative and Content Management:

As an Educator, I want to upload and organize course materials in folders so that learner can access them easily.

- Develop a shared repository for educators to upload course documents.
- Provide options for learners to view or download the uploaded files.
- Enable the creation and management of folders and subfolders for better organization of materials.

As a Product Owner, I want to implement a subscription-based model for educators so that the platform generates consistent revenue to future development

- Ensure secure and reliable payment processing for subscription transactions.
- Activate specific features based on the educator's selected subscription plan.
- Send timely reminders about subscription expiry and offer options for plan renewal or upgrades.

As an Educator, I need to organize a poll to elect a class representative so that the election process is fair and transparent

- Ensure that the voting process validates each vote to prevent duplicates.
- Automatically calculate and declare the winner based on the majority of votes.
- Facilitate a revoting process in case of a tie or lack of a majority.

As a Student, I need to vote to elect a class representative so that my choice is represented in the decision-making process.

- Restrict the voting system to allow only one vote per student.
- Provide a mechanism for anonymous voting to maintain confidentiality.