

Business Requirements

User Dashboard (Feature 1):

- **Requirement:** The system must provide a personalized dashboard for each user.
- **Description:** The dashboard will display user-specific information, including course progress, recent activities, and course recommendations.

Content Authoring Tools (Feature 2):

- **Requirement:** Instructors must have access to content authoring tools.
- **Description:** Instructors should be able to create and manage course content, which includes multimedia lectures, quizzes, and assignments.

Discussion (Feature 3):

- **Requirement:** The system must include discussion boards or forums.
- **Description:** Users, including students and instructors, can participate in discussions, ask questions, and share insights related to the courses they are enrolled in.

User Ratings and Reviews (Feature 4):

- **Requirement:** Users should be able to rate and review courses.
- **Description:** Users will provide ratings and written reviews to offer feedback to instructors and help other learners make informed choices.

Advanced Search and Filtering (Feature 5):

- **Requirement:** The system should offer advanced search and filtering options.

- **Description:** Users should be able to search for courses with advanced filters, tags, and sorting options to help them find relevant courses.

Recommendation Engine (Feature 6):

- **Requirement:** Implement a recommendation system.
- **Description:** The system should suggest courses to users based on their interests, previous course selections, and user behavior.

Learning Analytics (Feature 7):

- **Requirement:** The system must provide detailed learning analytics.
- **Description:** Instructors and students will have access to analytics, including course completion rates, quiz scores, and progress tracking.

Certificates and Badges (Feature 8):

- **Requirement:** Users must receive certificates and badges upon course completion.
- **Description:** Users will be awarded certificates and badges as recognition and motivation for completing courses.

Social Integration (Feature 9):

- **Requirement:** Allow users to log in with social media accounts.
- **Description:** Users should have the option to log in using their social media accounts and share their achievements with friends and colleagues.

User Feedback System (Feature 10):

- **Requirement:** Implement a user feedback system.

Description: Users will be able to provide feedback on courses, features, and technical issues to support continuous platform improvement.