4. System Features

4.1 Landing Page

4.1.1 Description

The landing page will provide users with an overview of our services, give them access to other pages, and other basic functionalities, like signing in/up and searching for courses.

4.1.2 Functional Requirements

- **FR-1.1** The system shall display a brief description of the platform.
- **FR-1.2** The system shall provide visible buttons/links for Sign In, Sign Up, and Browse Courses.
- **FR-1.3** The system shall provide a message box at the end of the page, so users can contact us if they want to.

4.2 Sign In / Sign Up

4.2.1 Description

Users must create an account to enroll in courses, take quizzes, bookmark courses, and access other individual-related content or pages.

4.2.2 Functional Requirements

- **FR-2.1** The system shall allow users to register using name, email, and password.
- **FR-2.2** The system shall prevent duplicate accounts by checking existing emails.
- **FR-2.3** The system shall allow registered users to sign in using email and password.
- **FR-2.4** The system shall restrict access to personalized features unless signed in.
- **FR-2.5** The system shall display an error message when login credentials are invalid.

4.3 Browse Courses

4.3.1 Description

Users can view all courses available on the platform, each course card/block will contain enough information so that users don't have to check every course to find what they want.

4.3.2 Functional Requirements

- **FR-3.1** The system shall display a list of all available courses.
- **FR-3.2** The system shall show basic information for each course (title, instructor, short description).
- **FR-3.3** The system shall allow users to click on a course to view its dedicated course page.

4.4 Course Page

4.4.1 Description

The course page displays full course details and allows users to enroll, bookmark, or just see what it offers.

4.4.2 Functional Requirements

- **FR-4.1** The system shall display full course information (title, description, instructor, content list).
- **FR-4.2** The system shall allow signed-in users to enroll in the course.
- **FR-4.3** When a user enrolls in a course, the system shall automatically add that course to the Uncompleted Courses page.
- **FR-4.4** The system shall allow users to access course content if they are enrolled.

4.5 Bookmark

4.5.1 Description

Users can save courses they want to return to later in a page separate from the one that contains what the user is currently enrolled in (e.g., the Uncompleted Course Page).

4.5.2 Functional Requirements

- **FR-5.1** The system shall allow signed-in users to bookmark or remove bookmarks from a course.
- **FR-5.2** The system shall store the user's bookmarked courses.
- **FR-5.3** The system shall allow users to view all their bookmarked courses.
- **FR-5.4** The system shall show a bookmark indicator on course pages and course listings.

4.6 Uncompleted Courses Page

4.6.1 Description

This page lists courses the user enrolled in but has not yet completed. Completion is based on passing the required quizzes/exams.

4.6.2 Functional Requirements

- **FR-6.1** The system shall list all courses the user is enrolled in but has not yet completed.
- **FR-6.2** The system shall mark a course as completed only when the user passes all required quizzes/exams (e.g., final exam).
- **FR-6.3** The system shall remove a course from the Uncompleted Courses page once it is completed.
- **FR-6.4** The system may display simple quiz-based completion information (e.g., "Passed 1/3 required quizzes").

4.7 Instructor Page

4.7.1 Description

The Instructor Page allows admitted instructors to add or remove quizzes for the courses assigned to them.

4.7.2 Functional Requirements

- **FR-7.1** The system shall allow instructors to create MCQ quizzes for their assigned courses.

- **FR-7.2** The system shall allow instructors to add a correct answer for each quiz question so the system can auto-mark it later.

- **FR-7.3** The system shall allow instructors to edit or delete the quizzes they created.