Use Case Document

Authoring Module

- Add Item
  - Actors involved: Author
  - Steps Involved
    i. Login with valid credentials (Author Role).
    ii. Add an item to the question bank.
    iii. Status of previously added items.
- Review Item
  - Actors involved: Item reviewer
  - Steps Involved
    i. Login with valid credentials (Item Reviewer).
    ii. List of items to be reviewed.
    iii. Reviewing an item.
- Manage Item
  - Actors involved: Item Manager
  - Steps Involved
    i. Login with valid credentials (Item Manager).
    ii. List of all items with their review and review status.

Assessment Module

- Attend Exam
  - Actors Involved: Student, Invigilator
  - Steps Involved
    i. Login with valid student credentials
    ii. View the list of exams with a start button to start the respective exam
    iii. When the start button is clicked the instructions of the exam should be visible
    iv. A button to start the exam should become active when it's time for the exam

v. When clicked on start exam button, the exam dashboard with multiple parts of the exam should be visible

vi. When a part is selected, view all the questions within the part

vii. A side panel showing the question numbers should be visible to facilitate the sliding between questions

viii. Provide a response to a question

ix. A timer is shown for the exam

x. Resume the exam when logged off unexpectedly with the help of an Invigilator (i.e valid Invigilator's login details should be entered)

xi. Finish an exam either when the exam duration is over or if the student wishes to finish it before

xii. View the list of attempted questions and a button to confirm the student's willingness to finish the exam

xiii. The respective exam's status should become inactive.

- ## Conduct Exam
  - ○ **Actors Involved:** Center Admin
  - ○ **Step Involved**
    - i. Login with valid center admin credentials
    - ii. View the list of exams to be conducted
    - iii. Create the exam with the exam details (question paper, instructions, etc)
    - iv. Assign Invigilators and students to the examination rooms
    - v. Store the student response for each question when it's answered

Evaluation Module

- ## View Evaluation
  - ○ Actors Involved: Evaluation Incharge
  - ○ Steps Involved
    - i. Login with valid credentials (Evaluator Role)
    - ii. Display the status of the current evaluation
    - iii. Find all the list of pending evaluations
    - iv. Trigger Evaluations to generate marks
    - v. Add additional remarks (if any)

- **Trigger Evaluation**
  - Actors Involved: Backend Bot
  - Steps Involved
    i. Check Evaluation status
    ii. Compare answer key with student response and assign marks to it
    iii. Generate an audit trail (expected answer, given response and marks obtained)

Exam Admin Module

- **Create Exam**
  - Actors Involved: Exam Admin
  - Steps Involved
    i. Login with valid credentials (Exam Admin Role)
    ii. Create the exam drive for the current exam
    iii. Add all the students into the Student database, from the excel given to the drive created
    iv. Add all the centers that will be conducting the exam
    v. In each center add the time slots (Batches)
    vi. Distribute the question papers from the database to all the eligible centers before an hour of the start time of the exam
- **Issue Marks**
  - Actors Involved: Exam Admin
  - Steps Involved
    i. Login with valid credentials (Exam Admin Role)
    ii. Check if the evaluation is completed
    iii. Get all the marks from the database
    iv. Display the marks sheet to the student

User and Package Management

- ## Add User
  - Actors Involved: Any User
  - Steps Involved
    - i. Provide Details like Username, Password
    - ii. Select all the roles that apply for the user.
- ## Delete User
  - Actors Involved: Admin
  - Steps Involved
    - i. Mark the status of the user to be deleted as 'Inactive'.
- ## Login
  - Actors Involved: Any User
  - Steps Involved
    - i. User enters Username and Password
    - ii. Check Username, Password and if status of user is 'Active'
    - iii. Display all the roles/modules corresponding to the user
    - iv. User selects a module
    - v. User will be sent to the selected module