

MID TERM TEST 3: VIRTUAL LEARNING SYSTEM

You are required to develop the software solution for a Virtual Learning System

The system simplifies and simulates a virtual learning system (like LinkedIn Learning, Coursera).

The Primary module is the Admin Registration module which has to be implemented first on a priority basis.

The application has to be implemented using

- MySQL as the database, Spring Boot Rest and Angular Application for the front end.
- This application stores details of various courses with their authors.
- Requirements:

This software module to be released initially needs to meet the following requirement:

New Administrators should be able to register themselves to keep track and work on the movie catalogue.

Acceptance criteria

- Verify that an error message is displayed if all the details are not filled
- Verify that an error message is displayed if the email id is already in use by some other user
- Verify that an error message is displayed if the name contains numbers or special characters
- Password should not be empty and have 4 to 8 characters.

- Verify that an error message is displayed if the phone number is already in use by some other user
- Verify that a new account is created if all the fields that have been entered by the user are proper.
- The user should be able to login with his/her emailId and password

Requirements:

- A. Registration table to be created using SQL queries in the backend.
- B. Database named VLSDB
- C. The CRUD operations should be performed using postman and requests stored as a collection.
- D. Solution to be implemented with a RESTful API.
- E. Exception handling at appropriate locations in the project
- F. Recommended to implement layered architecture.
- G. Readable code with comment line entries.

Submission:

1. Submit a single zip file that contains everything required, the source code, sql scripts and postman collection.
2. You are supposed to submit all the code that you have written.
3. Along with the code you are also required to submit a documentation that mentions
 - a. Project Name of your Back End and/or Front-End applications
 - d. Database name for the application.

Note: The project should follow best practices.