

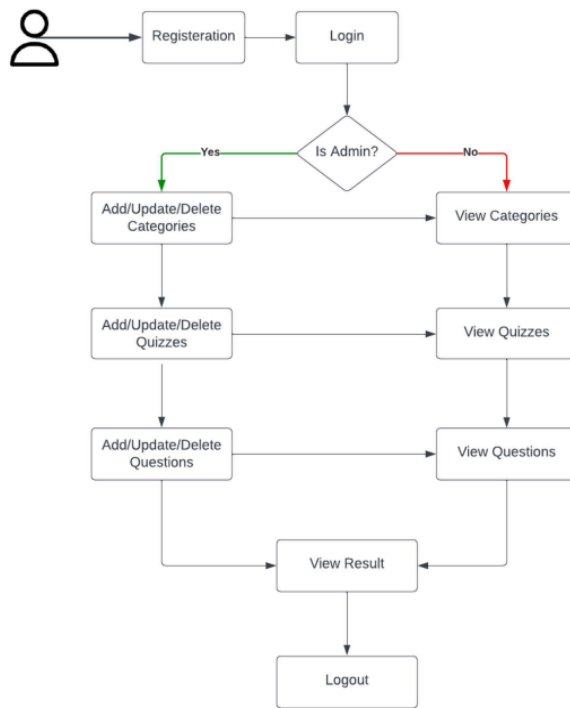
Assessment Platform

OVERVIEW

This project aims to build an inhouse platform used to take MCQ assessments.

FUNCTIONAL REQUIREMENTS

- There will be two users Admin and User.
- Assessment Module
 - Admins should be able to add new assessment questions (MCQs) under certain categories e.g Java, React etc. with ability to add some time limit.
 - User should be able to attempt the assessment questions within the time limit set by the admin.
 - Test report will be generated at the end after successful completion of the assessment.
- Flow Diagram :



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- Sample Draft Plan (Developer can decide on their own) :

Week 1	Design
Week 2	API building
Week 3	Frontend implementation
Week 4	Frontend and API integration/Testing
Week 5	Feedbacks and Finalization

- ❖ Sample API Endpoints (Developer can decide on their own) :

1. /register – POST
2. /login – POST
3. /profile – GET
4. /question – GET/POST
5. /task – GET/POST
6. /result – GET

- ❖ Admin :

1. /users – GET/Delete
2. /users/report – GET

SPECIFICATIONS

- A single page UI to be developed in ReactJS.
- REST API to be developed in SpringBoot.
- Any open source database can be used. Preferably Postgresql or MongoDB.
- Target of minimum 85% code coverage through JUNIT.
- Integration of code semantic plugins such as Checkstyle, FindBugs and PMD.
- Application logs must be generated through Logback.