Knowledge Evaluator:
A Performance Assessment Tool

Tushar Zaware   23107089

Aditya Sharma   23107111

Varunkumar L.   23107101

Himanshu Kalwa   23107102

Project Guide
Ms. Aavani Nair

Contents

- Introduction

- Objectives

- Scope

- Features / Functionality

- Project Outcomes

- Technology Stack

- Block Diagram

1. Introduction

- Problem Identified :

  - The process of organizing assignments, keeping notes, scheduling tests, and staying on top of deadlines often involves using multiple tools or platforms, which can be confusing and time-consuming.

- Solution Proposed :

  - The proposed system is a Java-based application that consolidates the management of assignments, notes, tests, and task notifications into a single platform.

  - This solution aims to eliminate the issues associated with fragmented tools by offering a comprehensive application that is intuitive, user-friendly, and highly functional.

2. Objectives

1) To combine test evaluations, student report generation and assignment updates through tables from the database by using MySQL.

2) To create student records & test reports, making them easier to find, group and analyze using data normalization algorithms.

3) To generate student performance reports via predefined evaluator in Evaluation table.

4) To provide updates about upcoming assignments/tests by implementing an instance of the calender in MySQL.

3. Scope

1. **Can be useful to students.** (Eg. Assessment system, knowledge process tracking, learning recommendations, multiple domains & subject areas, etc.)

2. **Can be useful to teachers.** (Eg. Detailed performance analysis, real-time insights and alerts, cross-domain evaluation, etc.)

3. **Can be used by parents.** (Eg. Progress monitoring, important notifications, etc.)

4. **Can be used for multiple domains/subjects.** (Eg. Flexibility, adaptive & comprehensive evaluation, etc.)

5. **Can be used for schools/institutions.** (Eg. Tracking overall performance, comparing across different areas, etc.)

4. Feature /Functionality

1. **Assignment Management** : Users can input details of their assignments, including deadlines, descriptions, and priority levels. The system will allow users to edit, update, or delete assignments as needed.

2. **Notes Section** : A well-organized notes management system will allow users to create and save notes under different categories or subjects.

3. **Test Scheduling and Result reporting** : Users can schedule their tests and input relevant details such as the date, time, and subject. The system will update tests as the user wants and provide result reports, helping them observe their performance.
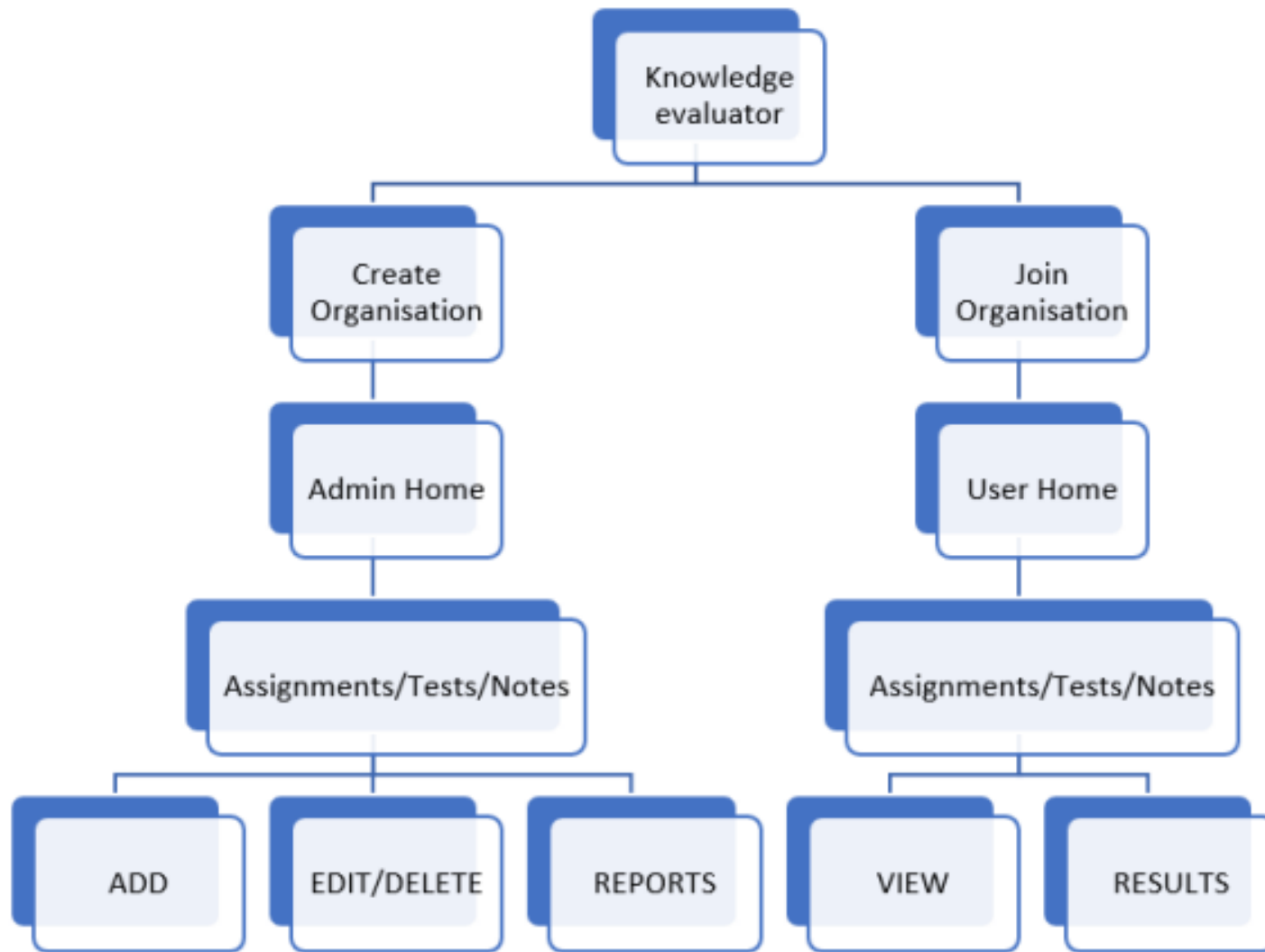
5. Outcome of Project

1. SIGN UP & LOG IN can be done.

2. With feature of resetting password, efficiency for users is increased.

3. New Organisations & Sections can be created by Users.

4. Creation of individual tests, surveys & questionnaires is possible.

5. Assignments, tests & notes can be added efficiently .

6. Users can keep track of overall reports (data).

6. Technology Stack

1. GUI(Front End)   – JAVA (Apache Netbeans IDE 22)

2. Database (Back End)   – MySQL(MySQL Workbench 8.0 CE)

7. Program Flow

Thank You...!!