

SMART QUIZ



A Smarter Way to Learn & Test Knowledge

OUR TEAM

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-INTRODUCTION

What is SmartQuiz?

- A full-stack quiz system for students and teachers.
- Designed to make learning interactive, easy, fun and trackable..

Summary

A full-stack SmartQuiz web application using React for the frontend and Java Spring Boot for the backend. It offers a complete quiz management system with categorization, dynamic exam creation, and full CRUD functionality.

The purpose of SmartQuiz is to provide an efficient, user-friendly platform for creating, managing, and taking quizzes. It is designed to help teachers generate exams quickly for different academic years and subjects, while allowing students to access categorized quizzes for effective learning and self-assessment. By streamlining quiz management and exam generation, SmartQuiz enhances digital education and supports both teaching and learning processes.

SmartQuiz System Features

Teacher Features

- Create quizzes with questions and answers
- Create exams for all academic years
- Filter quizzes by subject, year, or category
- Assign questions to different exams
- Edit or delete existing quizzes and exams
- Group questions by category (e.g., IP, FE, GED)

Student Features

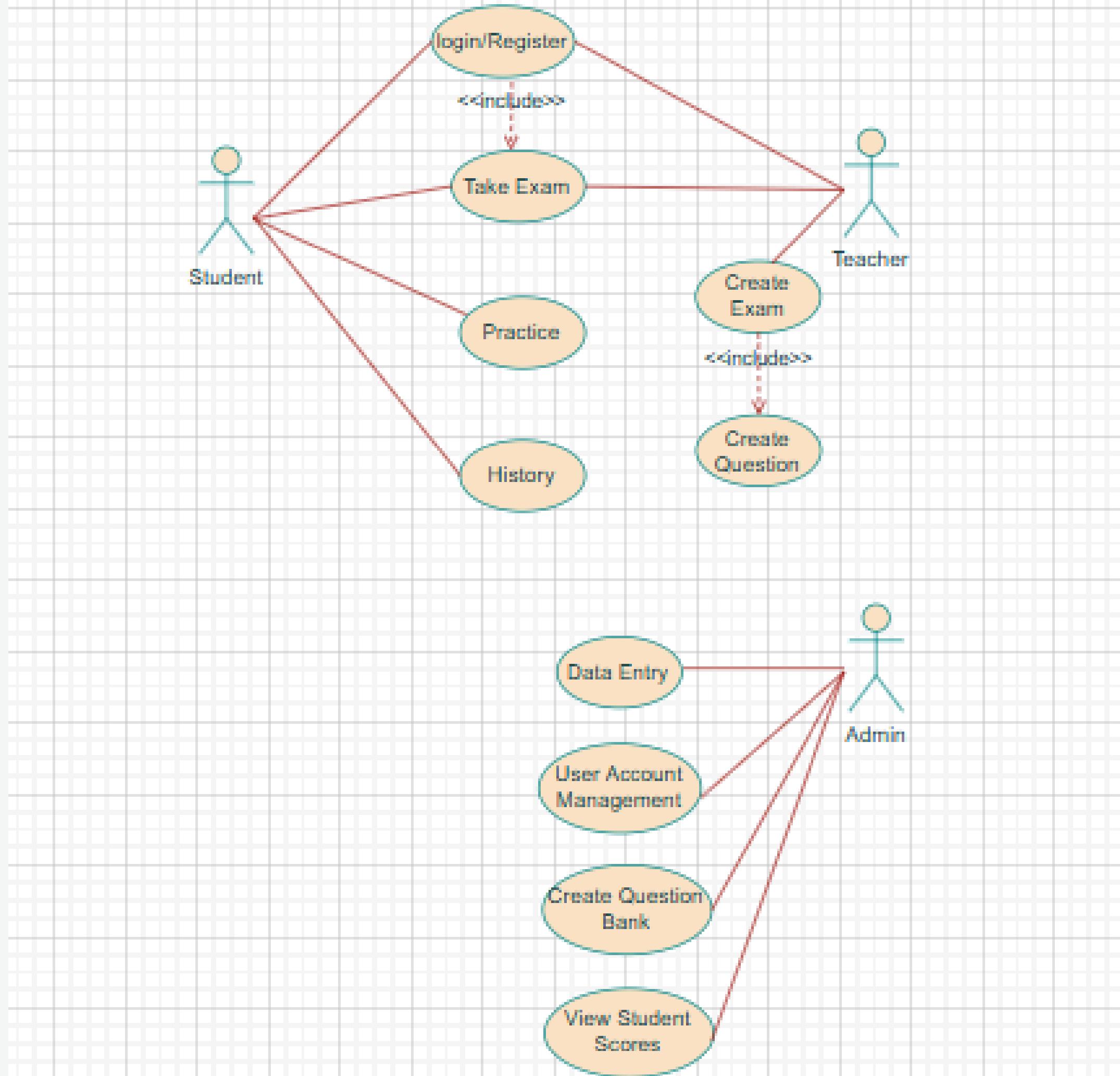
- View quizzes by:
 - Subject
 - Year
 - Category
- Take quizzes and view results
- Practice questions categorized by topic
- Take exam from the published exams

Admin Features

- Manage users (teachers/students)
- View system statistics (total quizzes, exams, etc.)
- Control subject/category settings

System Features

- Dynamic quiz filtering (by category, year, subject, topic)
- Responsive and user-friendly UI (React)
- RESTful API for smooth frontend-backend communication
- Full CRUD (Create, Read, Update, Delete) for:
 - Quizzes
 - Questions
 - Categories
 - Exams
- JSON data exchange between frontend and backend
- Easy scalability for future features like authentication, timer-based exams, analytics, etc.



Modules

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- Notifications & Messaging
- Settings & Preferences
- Results & Analytics
- Content & Learning

- User Management
- Authentication Management

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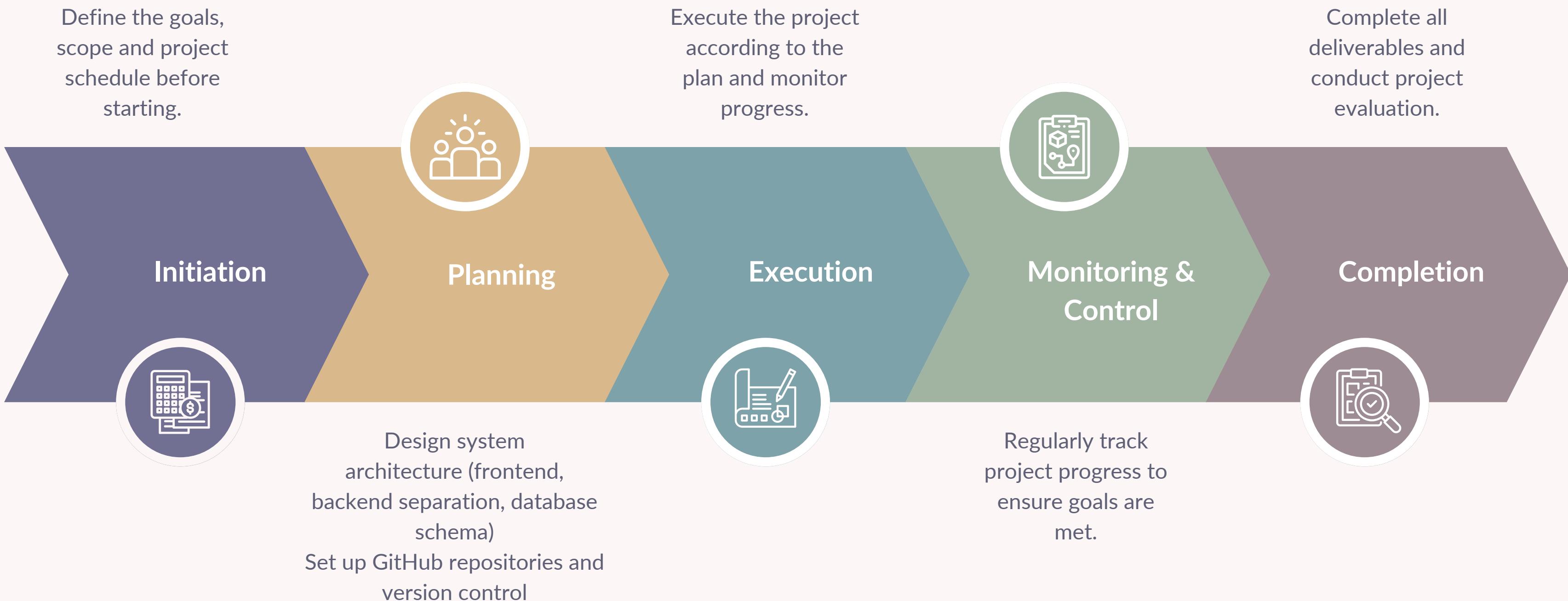
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- Question Management Module
- Question Bank

- Exam Management Module
- Admin Dashboard

PROJECT MANAGEMENT ROADMAP

This roadmap outlines the complete development plan for the SmartQuiz system, scheduled from May 1 to June 17. The timeline is divided into five key phases — from initiation to closure — to ensure a structured, efficient, and goal-oriented development process.



CONCLUSIONS

SmartQuiz is a powerful, interactive web-based platform designed to enhance exam preparation and knowledge assessment for students, teachers, and educators.

Inspired by the functionality of ITPEC Studio, SmartQuiz offers a streamlined, user-friendly environment to create, manage, and participate in quizzes and exams across diverse subjects and difficulty levels.

-THANKS!



Do you have any questions?

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Thank you for your attention