Quizizz.com

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GitHub : https://github.com/rajagopal016/selfLearnExerciseFiles/tree/main/SpringJDBC\_12092021%20-%20Copy

Sprint Planning :

The Project was split into three sprints each of a week time. Specific features were planned for every sprint through Sprint Planning meeting and the same was reviewed in Sprint Retrospective.

Sprint 1

* Requirement reading and understanding
* Infrastructure requirements reviews and setup- Eclipse, JSON, HTML, JavaScript, CSS, Brackets, Java JDK16, Spring boot were chosen to be used
* Class Designing
* Application Flow

Sprint 2

* HTML/CSS Designing of Home page, and Quiz Page
* Back end controller designing and completion of Quiz Control
* Front end Java script design for rendering quiz
* Testing

Sprint 3

* Front end Java script design for review and score of quiz
* Testing
* Review
* Documentation
* Release

Project Details:

Quizizz.com is an online application that helps users to take quiz and it acts as personal quiz master reviewing and scoring the answers

**Home Page:**

The application has a home <http://localhost:9099/home> or <http://localhost:9099/index> or http://localhost:9099. It is the landing page contains various quiz topics, which the user can choose.

The application has three stages Quiz, Review and Score display. They are shown below.

The questions and answers are stored in the server in the form of json and the spring framework sends the json object containing questions and answers to the client. Client renders the quiz and reviews and scores the answers using Java Script.

Home Page http://localhost:9099/home

Graphical user interface, application

Description automatically generated

**Quiz Page**

Graphical user interface, text, application, email

Description automatically generated

**Review and Scoring:**

Graphical user interface, text, application

Description automatically generated

**Flow Chart:**

Diagram

Description automatically generated

Core Concepts Used:

1. Servlet
2. HTML
3. JavaScript
4. CSS
5. Java
6. Session Management
7. Controller
8. Spring Boot
9. Spring

Classes:

Text

Description automatically generated

QuizzizApplication.java – Main Application

QuizController.java – Controller that returns the quiz questions and answers json to the client

Text

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Index.html – Home Page Template

Quizpage.html – quizpage template

There are also jsons containing respective questions and answers