

# **SRS Documentation for Week 3**

## **Developer Details:**

Dhwani Patel

Full stack Developer

## **Project objective:**

As a Full Stack Developer, complete the The Online Test Application system by planning the development in terms of sprints and then push the source code to the GitHub repository. Build an online application that enables users to provide online tests, review them, and display the results.

## **GOAL:**

To develop a MVP for conducting an online quiz and generate immediate review and result for the user taking the quiz by simply calling the JSON and evaluating the answers that user enters.

1. To prepare backend using Spring Boot Tool
2. To prepare Front-End using Angular
3. To Integrate both Front-end and Back-end.

The goal of the project is to build a simple Quiz Application that evaluates basic knowledge of the users.

## **TOOLS USED:**

1. Jdk 1.8, Jre
2. Spring Tool Suite 4.0
3. Local File Directory.
4. Maven
5. Agile Methodology
6. Spring Boot Application
7. Visual Studio Code along with angular installed.
8. Web Browser(preferably Chrome)

## **INTENDED AUDIENCE**

1. Anyone who is available to take a quick quiz
2. Age Group: 3+

## **PRODUCT CAPABILITIES**

1. A design and an interface that is simple to browse and user friendly.
2. View Quiz.
3. Take Quiz with your own unique id.
4. View Result using your id.
5. Take another attempt with your own id.
6. View Result and responses on multiple attempts.

## **SPRINT**

- 1 week per project, per module is one sprint. Sprints are of minimum a week's period. Hence we are currently done with sprint 1.

## **APPEARANCE**

1. User Friendly
2. Easy to navigate
3. Using menu system to navigate
4. User Interface.
5. Dynamic Application.

## **STEPS REQUIRED TO SET UP**

1. Open a shell at the desired location to download the files.
2. git init
3. git clone [https://github.com/dhwani2909/BNP\\_SimplilearnProject.git](https://github.com/dhwani2909/BNP_SimplilearnProject.git)
4. Create a folder to download and access all the files in one place.
5. Copy the directory.
6. Open the project in the spring tool suite 4.0
7. Follow the order to change the directory.
8. Access the files from the package explorer.
9. Right Click on the Back-End folder click on refresh.
10. Right Click on the Back-End folder run as>Spring Boot App.
11. Once you see an arrow next to your project in the boot dashboard move on to setting the Front\_End.
12. Open Visual Studio Code.
13. Import the Front-End folder.
14. Navigate to terminal> open new terminal>
15. Install: npm install -g @angular/cli@8.3.19
16. Navigate to the import directory and add the src file(quiz-app).
17. Open component.html and save it.

18. Type: `ng s --o --port 8000` in the terminal.
19. A new browser window will pop up for you to take the quiz.

#### **POINTS TO NOTE:**

1. Every user will have a fixed id that they will enter while the first try.
2. That id will be used to generate results and view the responses.
3. One user can have multiple attempts to clear the quiz.
4. The questions are used for trial purposes. They can be modified from the Back end.
5. In case if port 8000 is taken for your system then you can modify it in your `src/main/java/com.quiz.app.controller/UserController`.
6. The back end port:4700 can be used to test the db at <http://localhost:9700/h2>
7. In case that port is taken you could jump on to the `.service` file in the front end and simply paste your port.
8. Questions can be only modified by the back-end.
9. Similarly the logic of evaluation for the answer is fully controlled by the back end time.
10. Since it uses an embedded DB(H2 DB) the data will only exist if the application is running both in the back and front end.