Survey Management System

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# Non-functional Requirements

## Availability

The W-SMS will be available all the time.

SMS shall note respondent’s last valid response and return respondent to next question if respondent logs in again after exiting prematurely.

## Performance

Once a participant registers its answer, the system responses instantly, saving the answer and returning the respondent to the next question.

## Security

The W-SMS will require a password for both simple participants and the administrator of the survey. The password should contain at least an uppercase letter, lowercase letter and a symbol.

## Testability

Handle situations where a user tries to log in with a wrong password.

Verify that information the participant has to write is valid to be stored.

Differentiate between the respondents and the administrator of the survey.

## Usability

The administrator will have an option to choose what kind of answers a question will have (multiple choice, single option, participant written answer etc.).

The participants will have options to answer a question (choice boxes, field to complete etc.).

Once a participant wants to save his answer, he will do that by going to the next question or by completing the survey.

A participant is able to change its survey answer just after completing the survey.

# Design Constraints

The design constraints of the application include the Java programming language. The framework used to develop the application is Spring Boot. Also the application uses a JDBC driver to make possible the connection to a database. The SMS will be a web-based application.