

**Test Plan Document**

**For**   
**Deel**

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## 

## Purpose of The Test Plan Document

This document serves as a test plan. It describes the testing approach and automation framework that will test the application under test.

This document focuses on the functional testing of the application. Providing details on the strategy and management of performance testing and the security testing is not in the scope of this document.

## Test objectives

The objective of the test plan is to verify that the 3 different fields on sign up functionality of the application works according to the requirements. The fields are as follows:

* First Name
* Date of birth
* Phone number

## TEST SCENERIOS

## First Name:

* Verify the First Name field entering only the alphabet values.
* Verify the First Name field entering containing the numeric content.
* Verify the First Name field entering containing the symbols.
* Verify the maximum character limit for the First Name field.
* Verify the minimum character limit of First Name field.
* Verify the First Name field by entering the more than allowed value.
* Verify the First Name field by entering the less than allowed value.
* Verify that able to copy the value from the First Name field.
* Verify that able to paste the value in First Name field.
* Verify that the space button working in First Name field.
* Verify the value visible to the user or not when type in First Name field
* Verify the text box place holder visible or  not .
* Verify the First Name field entering uppercase and lowercase together.
* Verify the First Name field leaving empty.

Date of Birth:

* Verify the age of a user
* Verify the Date of Birth format
* Verify the Date of Birth field doesn’t accept the input in more than 2 digits for the month and day.
* Verify the Date of Birth field doesn’t accept more than and less than 4 digits for the year.
* Verify the Date of Birth field doesn’t accept the input as blank.
* Verify the Date of Birth field doesn’t accept special character instead of the dates.
* Verify the Date of Birth doesn’t field accepts alphabets in the date format.
* Verify the Date of Birth accepts invalid order of the date.
* Verify the Date of Birth field 32 is not accepted for day.
* Verify the month field doesn’t accept 13 or higher number.
* Verify the February 30 or 31 is not accepted in the date format.

Phone Number

* Verify that the phone number field should display the accepted format of the mobile number as the placeholder text.
* Verify user can copy and paste the mobile number in the field or not.
* Verify mobile number field should accept only the numeric value by entering alphabets.
* Verify mobile number field should accept only the numeric value by entering the special character.
* Verify by entering the less number than the actual mobile number.
* Verify the behaviour by adding more digits than the actual mobile number.
* Verify field accepts the space (s) between the mobile number or not according to the requirements.
* Verify an error message shown for the blank input for the Mobile Number Field.
* Verify by adding only the spaces in the Mobile Number Field.
* Verify the mobile number field by entering only 10 blank space .
* Verify the mobile number field by entering the "0" at initial.
* Verify the place holder for the mobile number text box .

## Scope

Functional testing

Functional testing will be performed to verify if the application features are developed according to the specifications. Functional testing will be done manually and using automation. BA’s will provide the scenarios for functional tests. However, testers also will need to write scenarios for functional tests when required.

Performance testing

Performance testing will be carried out in order to measure scalability, reliability and resource usage of the application under test. Performance testing will be carried out by the performance testing engineer. Performance testing strategy and management details will be described in a separate document. Performance testing is not in the scope of this document.

Security testing

Security testing will be conducted to check for vulnerabilities, threats, risks in the application in order to application and prevents malicious attacks from intruders. Security testing will be carried out by the performance testing engineer. Security testing strategy and management details will be described in a separate document. Security testing is not in the scope of this document.

## Types of tests

Automated tests are quite flexible and can be used to carry out several types of testing. However, Selenium tests are primarily used to do certain types of functional testing. All types of tests will be developed based on the same framework and generate same type of reports.

Smoke tests

Smoke tests will be developed and executed upon each commit. Smoke testing will be used to identify the general stability of the Deel application. Smoke tests can run against multiple environments.

Smoke tests reports will be emailed to the whole team in case of a failure. Typically, smoke test failure indicates a major issue with application under test and require immediate attention.

End-to-end tests

The purpose of End-To-End testing is to ensure entire business processes that the system supports per requirements. Typical End-To-End test may include testing multiple systems as part of the single test. End-to-end tests will be run on weekends with heavy data.

Regression tests

Functional automated tests and End-To-End which are stable and most value will be added to the Regression. Regression tests will be running every night.

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# TEST MANAGEMENT

## Reporting

Comprehensive and detailed reports will be provided. The reports will include the business logic, test steps and screenshots. Reports for each test will be saved in the CI environment.

## Frameworks tools

Automated testing framework will be developed by integrating different tools. This project will use Java based tools for automated testing. Tools are chosen based on their reliability, maintainability and business value. The primary tool I will use in my automation test is Selenium webdriver. TestNG is the test runner and IntelliJ is the IDE used to write the automation scripts.