Test Plan - Water Customer App

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# Introduction

This document outlines the approach for testing the front-end application **Water Customer App**. The objective is to ensure that the disclosed parts of the app (Welcome Screen, Customer List Screen, and Contacts Detail Screen) function correctly and provide a seamless user experience.

# Scope

This Test aims to verify the UI side of the application based on the requirements given. The following screens will be covered:

* Welcome Screen
* Customer List Screen
* Contacts Detail Screen

Since no requirement mentioning multiple browsers nor mobile compatibility was found, the test will focus on Web UI tests in a single browser.

# Prerequisites / Assumptions

* The tester has access to the application (installed locally).
* The tester will use a clean, new instance of the browser for each Test Case.

# Test Environment

The tests are to be executed in a local installation of the application. Once set up, the environment will be accessed on:

[**http://localhost:3000/**](http://localhost:3000/)

The browser to be used for the tests is Google Chrome.

# Test Cases

## Welcome Screen

### TC01 – [WS] Successful name submission

|  |  |  |  |
| --- | --- | --- | --- |
| **Step** | **Description** | **Expected Result** | **Actual Result** |
| **1** | Open the application | Welcome Screen will be displayed |  |
| **2** | Enter any name in the text field | Text field will be filled |  |
| **3** | Click on the “Submit” button | The Customer List Screen will be displayed, and the name used in **Step 2** will be displayed in the text “*Hi <NAME>. It is now <DATE> and here is our customer list. Click on each of them to view their contact details.*” |  |

### TC02 – [WS] Empty name submission

|  |  |  |  |
| --- | --- | --- | --- |
| **Step** | **Description** | **Expected Result** | **Actual Result** |
| **1** | Open the application | Welcome Screen will be displayed |  |
| **2** | Leave the text field blank | Text field will not be filled |  |
| **3** | Click on the “Submit” button | A browser pop-up will be displayed with the following message *“Please provide your name”* |  |

## Customer List Screen

### TC03 – [CLS] Customer list verification

|  |  |  |  |
| --- | --- | --- | --- |
| **Step** | **Description** | **Expected Result** | **Actual Result** |
| **1** | Open the application | Welcome Screen will be displayed |  |
| **2** | Enter any name in the text field and click on the “Submit” button | The Customer List Screen will be displayed |  |
| **3** | Verify that, for each entry of the list the following is displayed:   * Name * # of Employees * Size | Every entry on the list has Name, # of Employees and Size |  |
| **4** | Check if every customer with 2500 employees or less is classified as “**Small**” (Size) | Small customers are correctly categorized |  |
| **5** | Check if every customer with the # of Employees between 2501 and 5000 is classified as “**Medium**” (Size) | Medium customers are correctly categorized |  |
| **6** | Check if every customer with more than 5000 employees is classified as “**Big**” (Size) | Big customers are correctly categorized |  |

## Contacts Detail Screen

### TC04 – [CDS] Customer with contact details

|  |  |  |  |
| --- | --- | --- | --- |
| **Step** | **Description** | **Expected Result** | **Actual Result** |
| **1** | Open the application | Welcome Screen will be displayed |  |
| **2** | Enter any name in the text field and click on the “Submit” button | The Customer List Screen will be displayed |  |
| **3** | Select a customer **that has contact info** by clicking on its Name. | Contacts Detail Screen will be displayed with the following fields:   * Name * # of Employees * Size * Contact   All the four fields will contain info |  |
| **4** | Verify the information on Name, # of Employees and Size | The information on the Contacts Detail Screen is the same displayed for the Customer on the Customer List Screen |  |
| **5** | Click on the “Back to the List” button | The Customer List Screen will be displayed again |  |

### TC05 – [CDS] Customer without contact details

|  |  |  |  |
| --- | --- | --- | --- |
| **Step** | **Description** | **Expected Result** | **Actual Result** |
| **1** | Open the application | Welcome Screen will be displayed |  |
| **2** | Enter any name in the text field and click on the “Submit” button | The Customer List Screen will be displayed |  |
| **3** | Select a customer **that has NO contact info** by clicking on its Name. | A browser pop-up will be displayed with the following message *“No contact info available”* |  |