**Test Plan-CalR App**

**Purpose**

The purpose of this test plan is to document the testing of the CalR app. The app is a web application that allows users to generate plots from CSV files. The tests will ensure that the app is functioning as expected. Specifically, this test plan details the testing of the following features:

* Opening the app in Chrome
* Clicking on the Vignettes, CalR File, Session File, Templates, and Two groups tabs
* Finding all the CSV files in the Downloads directory
* Uploading CSV files to the app
* Generating plots from CSV files
* Downloading plots from the app
* Viewing plots in a variety of formats
* Sharing plots with others

**Scope**

The tests will be conducted on the CalR app version 1.0.0. The tests will be conducted on a Windows 10 PC with Chrome browser installed.

**Acceptance Criteria**

For each test case, the following acceptance criteria must be met in order for the test to be considered a pass:

* The app must open in Chrome.
* The user must be able to click on the Vignettes, CalR File, Session File, Templates, and Two groups tabs.
* The app must find all the CSV files in the Downloads directory.
* The user must be able to upload CSV files to the app.
* The app must generate plots from CSV files.
* The user must be able to download plots from the app.
* The user must be able to view plots in a variety of formats.
* The user must be able to share plots with others.

**Environment**

The testing will be conducted in the following environment:

* Hardware: Windows 10 PC
* Software: Chrome browser
* Other resources: None

**Test Cases**

The following test cases will be used to test the CalR app:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-1 | Open the CalR app in Chrome | This app should open in Chrome | This app opened in Chrome | Pass |
| TC-2 | Click on the Vignettes tab | This app should navigate to Vignettes tab | The app navigated to the Vignettes tab | Pass |
| TC-3 | In Example 1 files  Click on the CalR File button | This app should download the CalR File | The app downloaded the CalR File | Pass |
| TC-4 | In Example 1 files  Click on the Session File button | This app should download the Session File | The app downloaded the Session File | Pass |
| TC-5 | Click on the Templates tab | This app should navigate to the Templates tab | The app navigated to the Templates tab | Pass |
| TC-6 | Click on the Two groups tab | This app should navigate to the Two groups tab | The app navigated to the Two groups tab | Pass |
| TC-7 | Click on the Browse button under   1. Browse data CSV file(s)) | 1. This should navigate to our local computer to select the files to upload. | 1. This app navigated to the local to select files. | Pass |
| TC-8 | Click on the Browse button under  (2. Upload previous session inputs (if available)) | 1. This should navigate to our local computer to select the files to upload. | 1. This app navigated to the local to select files. | Pass |
| TC-9 | Find all the CSV files in the Downloads directory | The app should find all the CSV files in the Downloads directory | The app found all the CSV files in the Downloads directory | Pass |
| TC-10 | Enter the paths to the CSV files in the input fields | The app should accept the paths to the CSV files | The app accepted the paths to the CSV files | Pass |
| TC-11 | Click on the Goto Plots Button | This app should navigate to the next tab where you can see Generate Plot Button | This app navigated to the next tab where we can see Generate Plot Button | Pass |
| TC-12 | Click on the Generate Plot button | The app should generate plots from the CSV files | The app generated plots from the CSV files | Pass |
| TC-13 | Download the results of the plots generated by the CalR app to a Word document | The app should download the results of the plots generated by the CalR app to a Word document | The app downloaded the results of the plots generated by the CalR app to a Word document | Pass |

**Summary**

The CalR app was tested on a Windows 10 PC using the Chrome browser. A total of 13 test cases were performed, and all tests passed. No defects were found.

**Conclusion**

The CalR app was successfully tested and found to be functioning as expected.