GreenCity Mobile App

CM3131 - Mobile Application Design and Development

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**GitHub Link:**

<https://github.com/IncognitoTom/GreenCityApp>

**Video Link:**

<https://youtu.be/MxNDg8lSOEA?si=SicGV5cX3wxQgebv>

Description:

I will do an air quality rating app that takes in the user’s input (city) and display its associated Data. In this case, it will include the AQI (air quality rating), as well as the local time, and the stations location.

The app will also include information on global warming and global temperatures, as well as links for the information.

My API source is from <https://aqicn.org/city/united-kingdom/scotland/aberdeen-market-street-2/>

A diagram of a cell phone

Description automatically generatedWireframes/Storyboard:

Components Included:

-It has multiple graphics within the app (all photographs)

-It includes multiple navigation buttons to navigate to the other pages

-It also includes links to different websites

-There is an input bar for users to input their city

Testing Table:

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Expected outcome** | **Actual Outcome** | **Comments** |
| Input a Real city | The program will be successful in receiving the data | The program successfully retrieves the data from the API | N/A |
| Input a city with numbers | The program will not accept that input and show an error | The program displays a ‘no results found’ error | N/A |
| Selecting the bottom link on the first page | The link will direct the user to the website | The user is directed to the website successfully | N/A |
| Selecting the different page buttons to go to another page within the app | The user can freely move between pages within the app. | The user is free to navigate the app as much as they please. | N/A |
| Inputting the users local City within the first input bar on the third page | The user’s local city will be stored and displayed at the top of the page | The user’s city does not display at the top of the screen, however it is saved (as seen via console) | The user must refresh the page in order for the saved city to display |
| Inputting Numbers into the first input bar on the third page | The Input will not accept or display numbers | The input bar accepts numbers and stores and displays them | The input for the City needs to be amended to not allow numbers |
| All text within the app aligns within their respective card | The text is well aligned within the cards | The text is aligned | N/A |
| The buttons have appropriate spacing upon loading the app | The buttons are in appropriate locations | Upon a first load of the app, the buttons appear too far to the right | A page refresh fixes the problem |
| All images are displayed correctly | The images are displayed correctly within their cards | The images show no issues with loading or alignment. | N/A |
| All navigation buttons appear correctly | The navigation buttons are aligned properly and look correct | There are no issues with the buttons | N/A |

Use of AI:

I have used AI to create the images present within my application.

They were sourced from the Midjourney bot from discord

Link to the AI webpage: <https://www.midjourney.com/home>