Test Strategy

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| Test | Expected Outcome | Actual Outcome |
| Clicked “Planned Roadworks” button | Open a list of Planned roadworks | Data was displayed as expected. |
| Clicked “Planned Roadworks” button twice. | It was expected that the list of planned roadworks would be displayed and then for it to refresh soon after. | As expected the data loaded and was shortly after refreshed. |
| Clicked “Planned Roadworks” rapidly. | Planned roadworks would display and refresh for sometime before possibly crashing. | The roadworks were displayed upon the first click and the page refreshed several time and did not crash. |
| Entered a date in the calendar to see the roadworks that were planned for the next day. | A list of roadworks being carried out on the day entered would be displayed. | As expected a list of roadworks to be carried out on the following day was displayed. |
| Entered a date in the calendar to see the roadworks that are planned for 3 months away. | A few but possibly not so many roadworks to appear as it is in the fairly distant future. | Several roadworks were displayed for the date in question. |
| The 1st object on the listview was clicked. | The click would open up the location of the works on google maps. | As expected the click did show the location of the roadworks. |
| Click the last object on the listview. | Scroll feel smooth and quick. The click would open up the location of the works on google maps. | Scrolling was quick however still tedious. As expected the click did show the location of the roadworks. |
| Searched for a motorway name using the search bar. | Motorway’s with fairly similar names or locations to display with relevant information. | Roadworks title with the entered motorway name were displayed with the details of the road work. |
| Searched for a type of roadwork using the search bar. | Roadwork’s that included the type of work searched would be displayed | As expected relevant roadworks to the search term were displayed. |
| Pressing the back button to leave the Planned works page. | The app would return to the homepage. | As expected the app returned to the home page |
| Typing random letters into the searchbox and then searching. | No results to return. | Some objects were returned as they contained some of the letters involved in the search. |
| Clicking the “Current Incidents” button. | Return a list of current road incidents. | The app immediately crashed. |
| Clicking the All Roadworks button. | Return a list of all the road incidents within the app. | As expected a long list of all road incidents was produced. |
| A previous date was entered into the all roadworks calendar. | The app to return no values or possibly crash. | The app returned no values. |
| A future date was entered into the all roadworks calendar. | A list containing the future roadworks planned for that day to be displayed | As expected a list containing roadworks for that day were displayed. |
| A date for several years into the future was input into the all roadworks calendar. | The list to return no values or possibly crash. | The list returned 0 values at it had none to produce for that many years into the future. |
| Pressed the exit app button. | A prompt to return confirming if the user would like to close the app or otherwise. | The prompt appeared offering a yes or no option. |
| Pressed No after pressing the exit app button. | Allow the user to return to using the app without further interference. | As expected the prompt was dismissed allowing the user to continue peacefully using the app. |
| Pressed the Yes button after using the exit app button. | Allow the user to return to their phone’s homepage, displaying a message as it closed. | The app closed immediately while displaying a goodbye message to the user. |
| App icon pressed from outside of the app. | Allow the user quick access to the app. | The app had loaded within seconds of the user clicking on the icon. |
| Swiping finger across google map within app. | Allow the user to continue scrolling through the map. | As expected the user could scroll through the map. Sometimes had a slight lag. |
| Holding finger over app icon. | Return a message with several options on it. | As expected a message displayed with the option of learning about the app or seeing how the phone’s battery performs with the app |