Testing Document

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Video Link:

https://github.com/Carms001/EarthQuakeApp/blob/main/Armstrong\_Callum\_2220306\_Video.mp4

Android App Link:

https://github.com/Carms001/EarthQuakeApp/tree/main/Armstrong\_Callum\_S2220306

APK Link:

<https://github.com/Carms001/EarthQuakeApp/blob/main/app-debug.apk>

Test Strategy:

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| --- | --- | --- | --- | --- |
| Test Number | Test | Expected Output | Expected Output | Photo Number |
| 1 | Start the App and Press Get Data | Some Elements Hide and Some Elements Show. Data is Successfully parsed and shown in a table | As Expected. | 1 |
| 2 | The user Presses the “Cool Info” Button | The user will be taken to another activity showing some cool info | As Expected. | 2 |
| 3 | The user Presses the Back Button on the “Cool info” Activity | Sends the user back to the main Activity | As Expected. | 1 |
| 4 | The User presses the Filter and Search Buttons | Bother Filter and Search elements appear on screen | As Expected | 3 |
| 5 | The User Enters “28/03/2023” into the edit text and then presses “SEARCH BY DATE” button | A new activity will appear showing all earthquakes that happened on that day. | As Expected | 4 |
| 6 | The User selected “Constantine, Cornwall” from the spinner box and then press the “SEARCH BY LOCATION” button | A new activity will appear showing all earthquakes that happened at that location. | As Expected | 5 |
| 7 | The User Presses the Magnitude Button | The Table sorts from magnitude Low to high | As Expected | 6 |
| 8 | The User Press the Date Button | The table sorts from Date Latest to earliest | As Expected | 7 |
| 9 | The User Press the Depth Button | The table sorts from shallowest to deepest Depths and the magnitude is swapped for depth when the data is showed | As expected | 8 |
| 10 | The app is disconnected from the internet when in use | Nothing, once started the app doesn’t need the internet | As expected |  |

Unit Testing

|  |  |
| --- | --- |
| Photo Number | Photo |
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 |  |
| 6 |  |
| 7 |  |
| 8 |  |
|  |  |
|  |  |