Mobile Platform Development

Daniel Russell S1707149 Coursework One

Contents

[Test cases 2](#_Toc68088145)

[Figures 5](#_Toc68088146)

[sort by magnitude (Fig9) 5](#_Toc68088147)

[sort by shallowest (fig8) 5](#_Toc68088148)

[sort by deepest (fig7) 6](#_Toc68088149)

[sort by east (fig10) 7](#_Toc68088150)

[sort by south (fig11) 7](#_Toc68088151)

[sort by west (fig12) 8](#_Toc68088152)

[sort by north (fig13) 9](#_Toc68088153)

[search by date (fig14) 10](#_Toc68088154)

[search between dates (fig15) 11](#_Toc68088155)

[Listing View Landscape (Fig2) 12](#_Toc68088156)

[Map View Landscape (fig4) 13](#_Toc68088157)

[Detailed view Landscape (Fig5) 13](#_Toc68088158)

[Detailed View Portrait (Fig6) 13](#_Toc68088159)

[Map View Portrait (fig3) 14](#_Toc68088160)

[Listing View Portrait (Fig1) 15](#_Toc68088161)

[Recursive loop (fig16) 16](#_Toc68088162)

[Recursive loop killed (fig17) 16](#_Toc68088163)

[Search by Date, sort direction (fig18) 17](#_Toc68088164)

[Search by Date, sort magnitude (fig19) 18](#_Toc68088165)

[Search between dates, sort direction (fig20) 19](#_Toc68088166)

[Search between dates, sort magnitude (fig21) 20](#_Toc68088167)

# Test cases

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case | Desc | Input | Expected | Actual | Figure |
| Initial Load of Reading Listing | Reading successfully fetched and displayed correctly | N/a | Reading should be loaded successfully | As Expected | Fig1 |
| Sort by Deepest | Sorts all readings by highest depth to lowest depth | Click radio button deepest | Reading are sorted by depth in descending order | As Expected | Fig7 |
| Sort by shollowest | Sorts all readings by lowest depths to highest depth | Click radio button shallowest | Reading are sorted by depth in ascending order | As Expected | Fig8 |
| Sort by Magnitude | Sorts all readings by highest magnitude to lowest magnitude | Click radio button magnitude | Reading are sorted by magnitude in descending order | As Expected | Fig9 |
| Sort by East | Sorts all readings by east | Select east from direction dropbox | Readings are sorted by lat and long to the east | As Expected | Fig10 |
| Sort by West | Sorts all readings by west | Select west from direction dropbox | Readings are sorted by lat and long to the west | As Expected | Fig11 |
| Sort by South | Sorts all reading by south | Select south from direction dropbox | Readings are sorted by lat and long to the south | As Expected | Fig12 |
| Sort by North | Sorts alls readings by north | Select north from direction dropbox | Readings are sorted by lat and long to the north | As Expected | Fig13 |
| Search by Date | Searches readings by date | Click start date  Select march 8th  Click ok | Reading for that specific date are listed | As Expected | Fig14 |
| Search between dates | Searches readings between dates | Click end date  Select march 31st  Click ok | A set of readings should be listed between the start date to the end date | As Expected | Fig15 |
| Recursive fetch loop of readings | Check if recursive fetch is executing.  (Method prints upon finish) | N/a | System.out.print should appear in run console of android studio  Saying ‘Result renewed’ | As Expected | Fig16 |
| Recursive fetch loop killed on activity switch | Check if recursive fetch is killed.  (Method prints upon finish) | N/a | System.out.print should appear in run console of android studio  Saying ‘Recursive Fetch Killed.’ | As Expected | Fig17 |
| Sort by direction by a select date | Sorts of readings by direction on a select date | Select a date with multiple earthquakes on one day  15th February  Click direction dropbox and select north east south west | Readings should sort correctly within date contraints | As Expected | Fig18 |
| Sort by magnitude on a select date | Sorts reading by magnitude on a select date | Select a date with multiple earthquakes on one day  14th February  Click radio button magnitude | Readings should sort correctly within date contraints | As Expected | Fig19 |
| Sort by direction by between dates | Sorts reading by direction between dates | Select two dates that have multiple earthquakes.  1st – 31st march  Select a direction from drobox. | Readings should sort correctly within date contraints | As Expected | Fig20 |
| Sort by magnitude between dates | Sort by readings by magnitude between dates | Select two dates that have multiple earthquakes.  1st – 31st march  Click radio button magnitude | Readings should sort correctly within date contraints | As Expected | Fig21 |
| Clear date/reset button | Check clear and reset | Click clear.  Click reset. | Listview is reset | As Expected | Fig1 |
| googlemaps | Check googlemaps | Click maps from bottom navbar | Googlemaps has successfully loaded with all reading markers | As Expected | Fig3 |
| Select reading | Check reading detailed view | Click reading entry | Selected reading matches the reading selected from the listview | As Expected | Fig6 |
| Select reading from sort | Select reading post sort | Click a radio button sort and click a reading entry | Selected reading matches the reading selected from the listview | As Expected | N/a |
| Select reading from date | Select reading post date | Click start date and set to 8th march  Click reading entry | Selected reading matches the reading selected from the listview | As Expected | N/a |
| Landscape map | Google maps on landscape view | N/a | Map view is displayed without top action bar | As Expected | Fig4 |
| Landscape listing | Listing on landscape view | N/a | Listing view is displayed without top action bar | As Expected | Fig2 |
| Landscape detailed view | Detailed view of reading on landscape | N/a | Detailed view is dispayed without top action bar | As Expected | Fig5 |

# Figures

sort by magnitude (Fig9)

|  |
| --- |
| Image: |

sort by shallowest (fig8)

|  |
| --- |
| Image: |

sort by deepest (fig7)

|  |
| --- |
| Image: |

sort by east (fig10)

|  |
| --- |
| Image: |

sort by south (fig11)

|  |
| --- |
| Image: |

sort by west (fig12)

|  |
| --- |
| Image: |

sort by north (fig13)

|  |
| --- |
| Image: |

search by date (fig14)

|  |
| --- |
| Image: |

search between dates (fig15)

|  |
| --- |
| Image: |

Listing View Landscape (Fig2)

|  |
| --- |
| Image: |

Map View Landscape (fig4)

|  |
| --- |
| Image: |

Detailed view Landscape (Fig5)

|  |
| --- |
| Image: |

Detailed View Portrait (Fig6)

|  |
| --- |
| Image: |

Map View Portrait (fig3)

|  |
| --- |
| Image: |

Listing View Portrait (Fig1)

|  |
| --- |
| Image: |

## Recursive loop (fig16)

|  |
| --- |
| Image:  Text  Description automatically generated |

## Recursive loop killed (fig17)

|  |
| --- |
| Image:  Text  Description automatically generated |

## Search by Date, sort direction (fig18)

|  |
| --- |
| Image:  A screenshot of a cell phone  Description automatically generated with medium confidence |

## Search by Date, sort magnitude (fig19)

|  |
| --- |
| Image:  A screenshot of a cell phone  Description automatically generated with medium confidence |

## Search between dates, sort direction (fig20)

|  |
| --- |
| Image:  A picture containing text, monitor, screenshot, black  Description automatically generated |

## Search between dates, sort magnitude (fig21)

|  |
| --- |
| Image:  A screenshot of a cell phone  Description automatically generated with medium confidence |