MPD: Test Logs

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2021

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| Test Performed | What I did | Expected Outcome | Actual Outcome | Date |
| Test Starter content | Opened and ran starter content provided to see how it worked and what needed to be done | Establish idea of what needed done | Established idea of what needed done | 01/03/2021 |
| Parsing improvements | I need to be able to gather information from each important section of each quake entry | To be able to gather information from each labelled entry | This did not work | 02/03/2021 |
| Parsing improvements | I need to be able to gather information from each important section of each quake entry | To be able to gather information from each labelled entry | This did not work | 02/03/2021 |
| Parsing improvements | Went back over lesson materials provided on parsing from the start of the MPD course in order to get a better understanding of what was needed | To be able to gather information from each labelled entry | This did work I am able to collect date in a more complete fashion for each earth quake | 04/03/2021 |
| Store data | The data accumulated must be stored correctly. I established an item class to manage the necessary data | To be able to manage the data gained. | This worked | 05/03/2021 |
| Display data | The data must be displayed on the app, to do this I will create a list view and populate it with the data stored in the item class | To be able to successfully store the gathered data in a listview | This did not work, the data gained must be put in an appropriate array | 06/03/2021 |
| Store data | The data gained must be stored in an array in order to be properly managed | To be create an array to store data | This did not work, each data type will need its own array | 06/03/2021 |
| Establish a class to hold a series of array lists containing the data gathered | I will create a new class to keep the data gathered in a series of array lists | The creations of a new class and a series of array lists that can be accessed from other classes | This did work, the data is stored and accessible | 07/03/2021 |
| Convert string values gathered to different variable types | I will need to split the description multiple time in order to properly record magnitude and depth. I think this can be done in either main activity or item class. | Split the description section at two points to get an int value for depth and a float value for magnitude. | This worked. Magnitude is split and set in main activity and depth is set in item class. I don’t believe it makes a big difference so ill consolidate these at a later date | 08/03/2021 |
| Display data in list view | Establish a list and a array adapter than I can use to populate said list | The list to display the earth quakes over the course of the last couple months. | This worked the list now displays the earthquakes over the last couple of months | 09/03/2021 |
| Colour list data | Colour the listview in accordance to the entries with the highest magnitude | Each entry should be coloured depending up how strong it is. The strength will be measured in bands with each band being a different colour | This worked, the list is now coloured with each entry being a shade of blue, the stronger the earthquake the darker the shade | 09/03/2021 |
| Establish a method to input dates and store them | Create an edit text box that allows the users to input text | The user should be able to input text which will then be stored and used to set a date range | This method worked but I think it will prove to be unsuitable and liable to errors | 10/03/2021 |
| Use a calendar function to allow users to input a date | Created a calendar in the activity xml that a user can interact with | The calendar should appear at the press of a button and allow the user to select two dates to create a range of dates which can be searched for later | This did not work, im unsure how to create the appropriate date range and store it so it can be used to search the earth quake data already stored | 11/03/2021 |
| use a calendar and date picker dialog system to get user inputted dates | Created a button that when pressed provides the user with a calendar to set the first date and a second button to provide another calendar for the second date | The buttons should provide the user a convenient input method and store the data as a text entry, this data can then be parsed to a date entry and used for creating a range of dates to search within | This method worked, the calendars are created and the data stored and parsed | 12/03/2021 |
| Display the data within the selected date range | I created a second list and array adapter to display the date from within the selected range | The earth quakes that have happened within the user selected date range should be displayed on the list | This did not work. I am unsure why. | 15/03/2021 |
| develop a method for parsing date from the publish date section | I attempted to use a similar method for splitting and parsing date to that used for magnitude and depth | The date should be split from the string field and stored as a date | This did not work. | 15/03/2021 |
| develop a method for parsing date from the publish date section | I attempted to use a similar method for splitting and parsing date to that used for magnitude and depth | The date should be split from the string field and stored as a date | This did not work. I seem to be using the wrong date format. | 15/03/2021 |
| develop a method for parsing date from the publish date section | I attempted to use a similar method for splitting and parsing date to that used for magnitude and depth this time using a simple date format | The date should be split from the string field and stored as a date | This still didn’t work | 17/03/2021 |
| develop a method for parsing date from the publish date section | I attempted to use a similar method for splitting and parsing date to that used for magnitude and depth this time using a simple date format | The date should be split from the string field and stored as a date | This did work, previous attempts failed dude a space left in the date format. | 19/03/2021 |
| Attempt to use the user inputted date to select from the stored earth quake data | I attempted to add the date data to each quake and store it in item keeper arraylist and search for it | The items containing dates within the selected date range should be added to the new list | This did not work, unsure why. | 21/03/2021 |
| Find data from the normal arraylist about the deepest earth quake, strongest etc | I used collections.sort to arrange these arraylists and can use min and max to select the deepest / shallowest / strongest etc | The chosen values should be printed to console | This did work | 24/03/2021 |
| Use the information gained from the previous test to populate a text view stating the strongest / deepest / shallowest etc values found | I created a text view and set the text to the stored values I established using collections.sort | The text box should display the selected values | This did work, the text box shows the selected values | 27/03/2021 |
| Add the selected quakes from the date range to the second list | I created a second list view again and will try to populate it from the publication date data | The list should display the earth quakes from the selected time frame | This did not work | 30/03/2021 |
| Add map function | Add a map with pins related to each quake upon it | The users should press a button for a map to be displayed with pins for all available quakes | This did work | 03/04/2021 |
| Add the selected quakes from the date range to the second list | I realised I do not need a second list, I can use .before and . after and simply parse the data in itemclass rather than main activity | The first list should be populated with dates from within the selected time frame | This did work | 06/04/2021 |
| Add landscape mode to project | I added a landscape mode to the project | The app should display in landscape mode when tilted | This did work | 08/04/2021 |