

# Assignment 1

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### Brief list of basic app features(Assignment1)

1. Sorting data on magnitude, location and date
2. Filter the data
3. Application will update data if there is any changes on data from web
4. Application will update data on click on refresh button
5. Able to see history of earthquakes in 30 days on a listview
6. Able to see history of earthquakes in google map
7. Gives notification on the new earthquakes

### Brief list of basic app features(Assignment2)

1. **Sorting data on magnitude, location and date**
2. **Filter the data on date, magnitude, location**  
( Query with filter information was very hard. I had to study about query and data field. I could not compare DATE with DATETIME, which took me long time to figure out)
3. **Date picker allow user to pick date on certain boundary**( This feature was hard to set up since I did not know about date picker related function and date)
4. **On application start, it will check if data has been updated or not**
5. **Application will update data on click on refresh button**
6. **Able to see history of earthquakes in 30 days on a listview** (I had to create custom cursor adapter for list view)
7. **On long item click on list view, it show detail information for each earthquake**
8. **Able to see history of earthquakes in google map**
9. **User can see all the filtered earthquake in google map or long clicked one**
10. **Each marker pop up information windows of time that earthquake occurred and magnitude**  
(I had to know about infowindow adapter)

### Missing feature from proposal

- Notification

I have to admit that I was not aware of that I need to make notification functionality in the beginning. Therefore, I did not have enough time to implement the notification functionality when I almost finished my application. The other reason was that I could not implement notification functionality was that I had to add more features that I did not expect to do it when I was writing assignment 1 document such as infowindow or custom cursor adapter class.

Please consider that I have extra functionality than