

Mobile Development: Plan for week 10

[week 09](#) - [week 11](#)

Goal for this week

- You should have knowledge about how to use SQLite, Camera, Location and Maps in an app.
- You should be able to work with SQLite, Camera, Location and Maps on your own and then implement it in your app, when needed.
- You should be able to use Application class for keeping data shared between Activities in your app.

Preparation before Tuesday 8th March

- Global data (singleton) using the Application class - briefly read
 - <http://stackoverflow.com/questions/4208886/using-the-android-application-class-to-persist-data>
 - http://androidexample.com/Global_Variable_Or_Application_Context_Variable_-_Android_Example/index.php?view=article_discription&aid=114&aaid=136
 - <http://www.developerphil.com/dont-store-data-in-the-application-object/>
- SQLite:
 - View the video tutorial **49-54** from this playlist - http://www.youtube.com/playlist?list=PL6gx4Cwl9DGBsvRxJJOzG4r4k_zLKrnxl
 - SQLite example: [Android SQLiteDemo.zip](#) (eclipse format)
 - SQLite Manager :: extention to Firefox <https://addons.mozilla.org/da/firefox/addon/sqlite-manager/>
 - Se evt. uddrag fra videoer (kun på dansk) [Fra tidligere undervisning - om Contentprovider, SQLite og grafik](#)
- About Camera
 - <http://developer.android.com/guide/topics/media/camera.html>
 - Nice explanation and schematic of Camera2-api. <http://jylee-world.blogspot.dk/2014/12/a-tutorial-of-androidhardwarecamera2.html>
- Locations and Maps
 - <https://developer.android.com/training/building-location.html>
 - <https://developer.android.com/training/maps/index.html>
 - From TheNewBoston
 - [135 - Compass and Map Controller](#)
 - [136 - Geocoder and GeoPoint](#)
 - [137 - Geocoding a Location for an Address](#)
 - [138 - Toggling Street and Satellite views](#)
 - [139 - ItemizedOverlay to draw on our Map](#)
 - [140 - Creating a Custom pinpoint](#)
 - [141 - Placing a Pinpoint on a MapView](#)
 - [142 - LocationManager and Location Permissions](#)
 - [143 - Criteria and getting Location](#)
 - [144 - Updating with OnLocationChanged method](#)

More links extending to the weekly content

- Observer might be interesting in addition to one model
 - <http://www.javaworld.com/article/2077258/learn-java/observer-and-observable.html>
 - <http://www.vogella.com/tutorials/DesignPatternObserver/article.html>
- SQLite
 - [Fra tidligere undervisning - om Contentprovider, SQLite og grafik](#)
 - example: [Android_SQLiteDemo.zip](#) (eclipse format)
 - More examples SQLite – this is using cursor
 - Small example with raw-sql & cursor
<http://stackoverflow.com/questions/5457699/cursor-adapter-and-sqlite-example>
 - Expanded example with all code using cursor
<http://www.mysamplecode.com/2012/07/android-listview-cursoradapter-sqlite.html>
 - Another small example with raw-sql & cursor
<http://andromeda709.blogspot.dk/2012/02/sqlite-simple-example.html>
 - More usefull links about cursor & listview:
 - <http://stackoverflow.com/questions/12077955/android-using-simplecursoradapter-to-get-data-from-database-to-listview>
 - <http://thinkandroid.wordpress.com/2010/01/09/simplecursoradapters-and-listviews/>
 - <http://stackoverflow.com/questions/13631075/listview-with-cursoradapter>

Teachers plan for Tuesday 8th March (9:00-12:00)

- Follow up on the weeks of study (adjusting plan for week together)
- About using SQLite (by Christian Sommer ???)
Fra tidligere undervisning - om Contentprovider, SQLite og grafik
- About using Camera (by ??)
- About using Location and perhaps maps (by ??)
- Working on app (se below)

Preparation before Friday 11th March

- Try to make small experiments using one or two of the subjects SQLite, Camera, Location and Maps

Teachers plan for Friday 11th March – 8:30-10:00

- Follow up on the weeks of study (adjusting plan for week together)

Fra tidligere undervisning - om Contentprovider, SQLite og grafik



[Mob12F Mobile uge11 part2 - Android](#)



[Mob12F Mobile uge11 part3 - Android](#)