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# Mobile: Plan for BJBU (Wednesday week 35-Monday week 36)

## Goal for the week (Wednesday to Tuesday)

* You should be able to make simple Android apps using UI and more than one screen-images (more activities)
* You should be able to make your app interacting with some other basic apps using intents
* You should have knowledge about way of making data persistent and save some simple data
* You should be able to use simple lists and spinner

## Teachers plan for Wednesday 26/8 in Odense & Vejle – conference room (bjbu from Odense)

* Follow up on the weeks of study
* Short about UI class structure and some tips [Android\_View01.ppt](http://bjoerks.net/klasser/Mobile_2015_Foraar/materials/Android_View01.ppt)  
  [SetFixedOrientation.ppt](http://bjoerks.net/klasser/Mobile_2015_Foraar/materials/SetFixedOrientation.ppt)  
  [ADV\_Hotkeys.htm](http://bjoerks.net/klasser/Mobile_2015_Foraar/materials/ADV_Hotkeys.htm)
* Short talk about Intent - starting another activity / another app  
  slides: [Android\_Intro03.ppt](http://bjoerks.net/klasser/Mobile_2015_Foraar/materials/Android_Intro03.ppt)  
  example: [Android\_Bjoerk\_MoreActivities\_20150225.zip](http://bjoerks.net/klasser/Mobile_2015_Foraar/materials/Android_Bjoerk_MoreActivities_20150225.zip)  
  example: [Android\_AppIntendSMS\_EMAIL\_20150225.zip](http://bjoerks.net/klasser/Mobile_2015_Foraar/materials/Android_AppIntendSMS_EMAIL_20150225.zip)
* Persistence (files and shared preferences) inclusive serialization  
  slides: [Android\_Persistens.ppt](http://bjoerks.net/klasser/Mobile_2015_Foraar/materials/Android_Persistens.ppt)  
  examples: [Android\_AppFiles\_20150225.zip](http://bjoerks.net/klasser/Mobile_2015_Foraar/materials/Android_AppFiles_20150225.zip)
* Special about using ListView (and Spinner = combobox)  
    
  link: <http://hmkcode.com/android-creating-simple-listview/>

## Prepare yourself by before and after lecture

* viewing following toturial this playlist: [**https://www.youtube.com/playlist?list=PL6gx4Cwl9DGBsvRxJJOzG4r4k\_zLKrnxl**](https://www.youtube.com/playlist?list=PL6gx4Cwl9DGBsvRxJJOzG4r4k_zLKrnxl)  
  **35, 36 , 37 (Intents)  
  65, 66 (Shared Preferences)  
  45, 46 (Simple ListView)**
* **reading briefly about   
  Tutorial - getting started:** [**https://developer.android.com/training/index.html**](https://developer.android.com/training/index.html)  
  **Tutorial -** [**https://developer.android.com/training/basics/intents/index.html**](https://developer.android.com/training/basics/intents/index.html) **Tutorial - saving data:** [**https://developer.android.com/training/basics/data-storage/index.html**](https://developer.android.com/training/basics/data-storage/index.html) **Tutorial - simple ListView:** [**http://hmkcode.com/android-creating-simple-listview/**](http://hmkcode.com/android-creating-simple-listview/)

## Ideas for small exercises:

* **A small help app on screen button for DadHelpMail, MomHelpSms – when press the button start the mail / sms with a preloaded text “I am well – please send more money” for your dad / mom.  
  Expand with a input field and an extra button MailGrand – when press the button start mail to dad with the content from input field and title “news from your lovely grandchild”  
  You could also choose to have the amounts you which and put it into the mail / sms for your parent.**
* **Expand the last app with a button for setting the mail / phone number – starting up another view (activity) for setting / changing the mail / phone number for your parent / grand. The data should be persistence and to be used in the when you mail / sms from your button in the main view. You might use SharedPreference og file system for the persistence.**
* **Expand with a list of mail to choose for dad …..…….**
* **A small app containing a list of food you like – when pressing on the food start at mail for yourself or mom/dad with the title “remember to buy” and the food you have chosen as content.**

## More links about android

I have found this quite brilliant tutorials that provides many concrete examples of use of various facilities:  
<http://www.vogella.com/tutorials/android.html>    
<http://www.vogella.com/tutorials/Android/article.html>    
**Fx Tutorial - more about ListView:** [**http://www.vogella.com/tutorials/AndroidListView/article.html**](http://www.vogella.com/tutorials/AndroidListView/article.html)

## Monday – only Odense (bjbu available 8:30-11:50):

* Follow up on lectures from Wednesday
* Solving problem according to the goal for the week

## Torsdag– kun Vejle (jawe available 9:15-13:15):

* Follow up on lectures from Wednesday
* Solving problem according to the goal for the week