

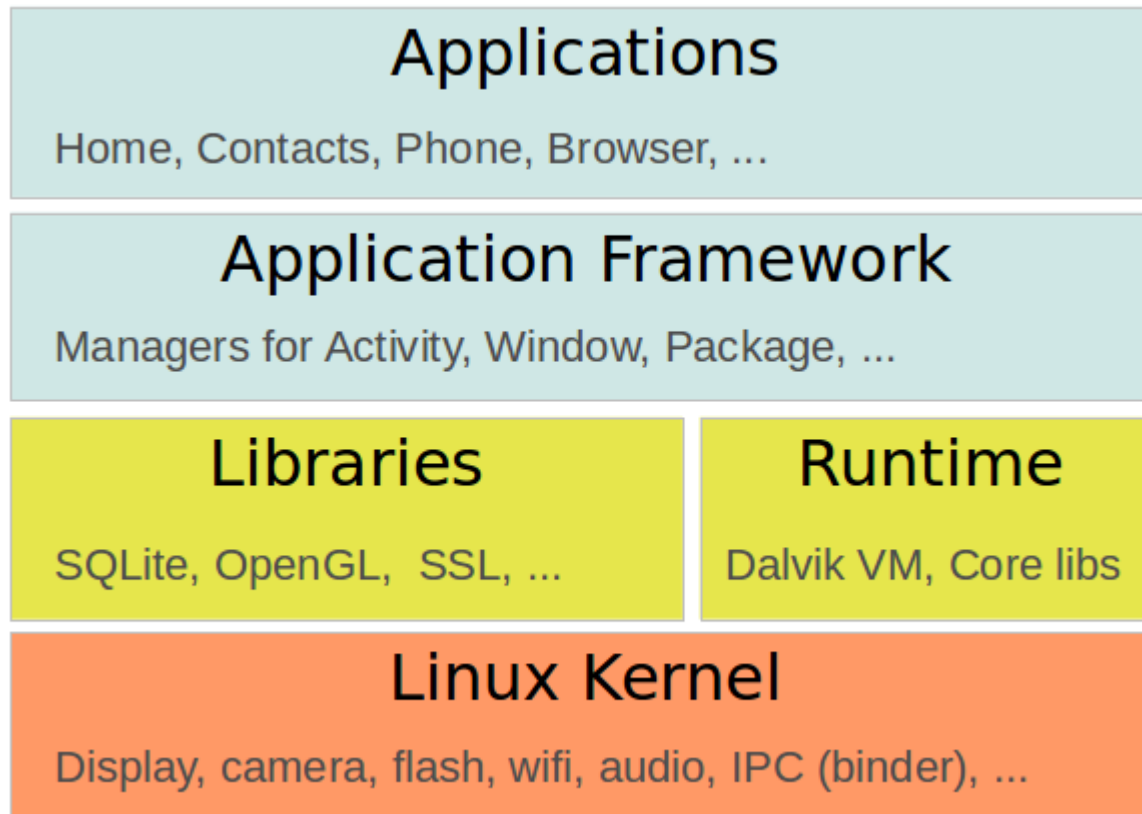
Android Native Apps

TU / **e**

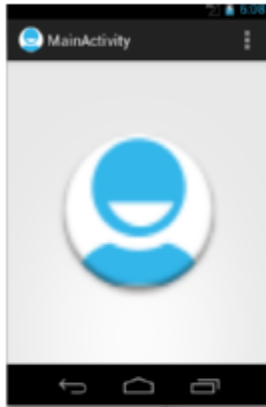
Technische Universiteit
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Where innovation starts

Android platform



Tasks



1.) User triggers "Pick photo" via button

2.) Start Gallery



4.) Return selected photo



3.) User selects photo

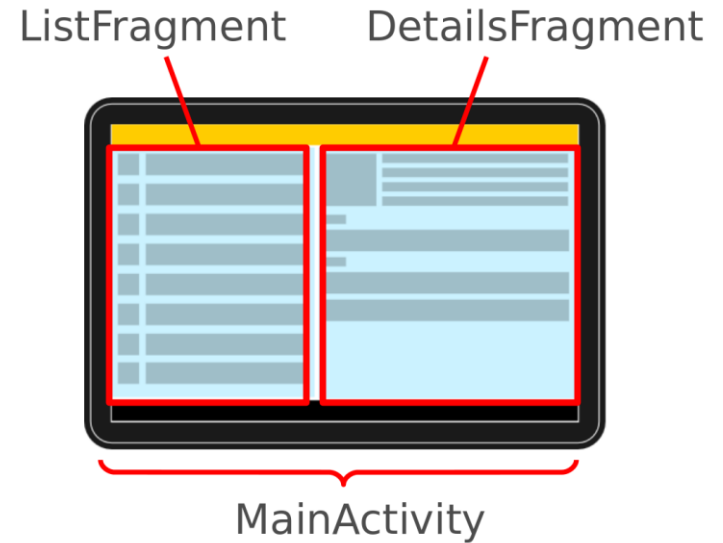
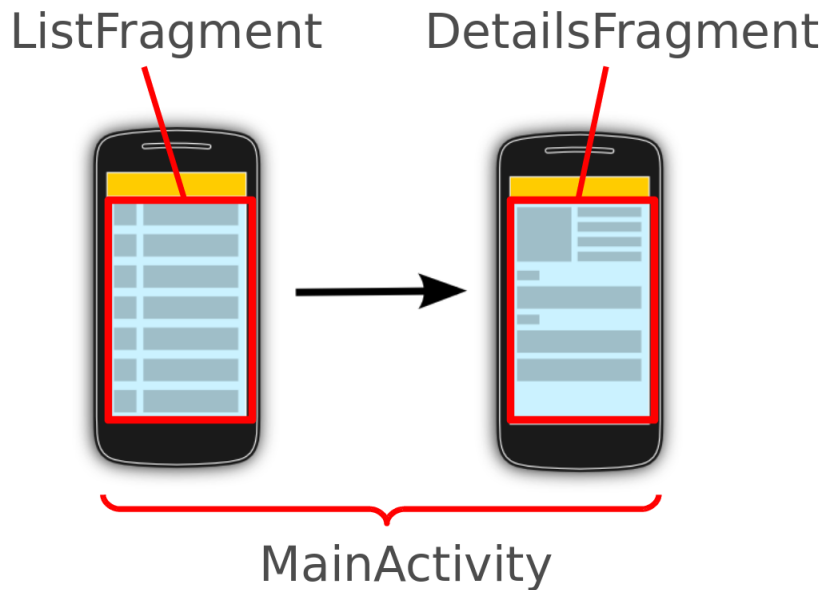
Android software components

- Context
 - **Activities – user interfaces (views and fragments)**
 - Services – tasks without UI
- BroadcastReceiver – listen to messages and intents
- ContentProvider – access to data

Hello Android revisited

Activity

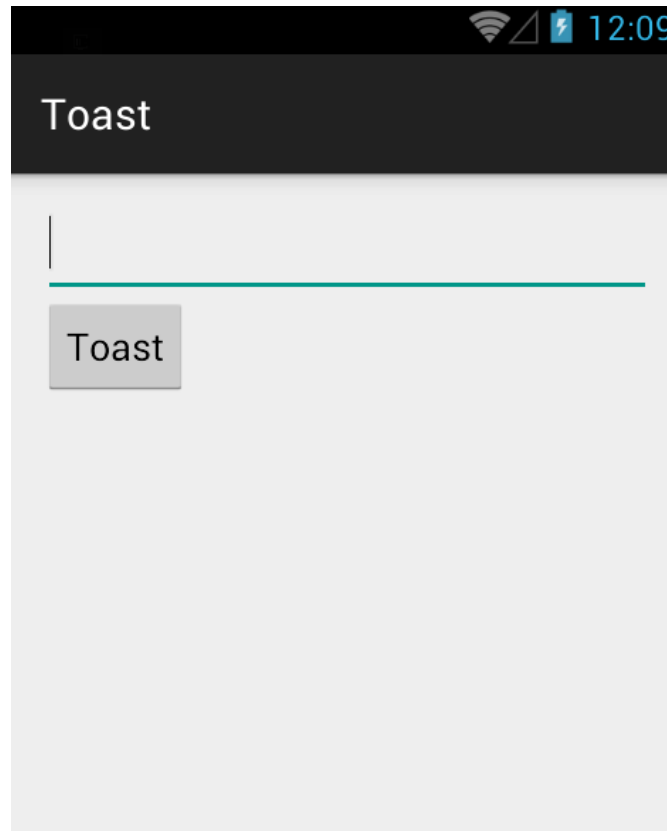
- Fragments



Views and layout manager

- Views
 - Buttons
 - Text fields
 - ...
- Layout managers
 - LinearLayout
 - GridLayout
 - RelativeLayout
 - FrameLayout
 - ...

Example: RelativeLayout



Homework

- Follow the tutorial and try out the examples at:
 - <http://www.vogella.com/tutorials/Android/article.html>
- Try to create a Currency Converter (USD↔EUR)
 - Hint: learn from “Temperature Converter” from the tutorial.
- If the Currency is too easy for you: (not required)
 - Create a simple calculator.