



AARHUS UNIVERSITET

Software Engineering and Architecture

The Framework Week

- Up until now we have discussed
 - A lot of Patterns which underlying *flexible architectures*
 - Supporting variations of software along *one axis/dimension*
 - Strategy: Vary between *algorithms* to fulfill responsibility
 - Etc.
- The Theme of this week is
 - Frameworks: Combining Patterns to have *flexible systems*
 - Supporting variations in a (large) set of dimensions
 - A great showcase of *the power of patterns...*

Programming Smartphones

ANDROID PLATFORM ARCHITECTURE

*One child, many names...
Platform, stack*

Framework





- And already building one ☺

Another one

- HotStone...

- Start by a (smaller than Android) example
 - MiniDraw
- Provide hints for Iteration 8 mandatory
 - To get you going...
- Define Frameworks from a theoretical perspective
 - Terminology, structure, benefits and liabilities
 - Exemplify
 - MiniDraw, Your HotStone, Android, Java Swing, ...
 - ... as Screencast...