

Introduction: Overview of Mobile Cloud Computing with Android

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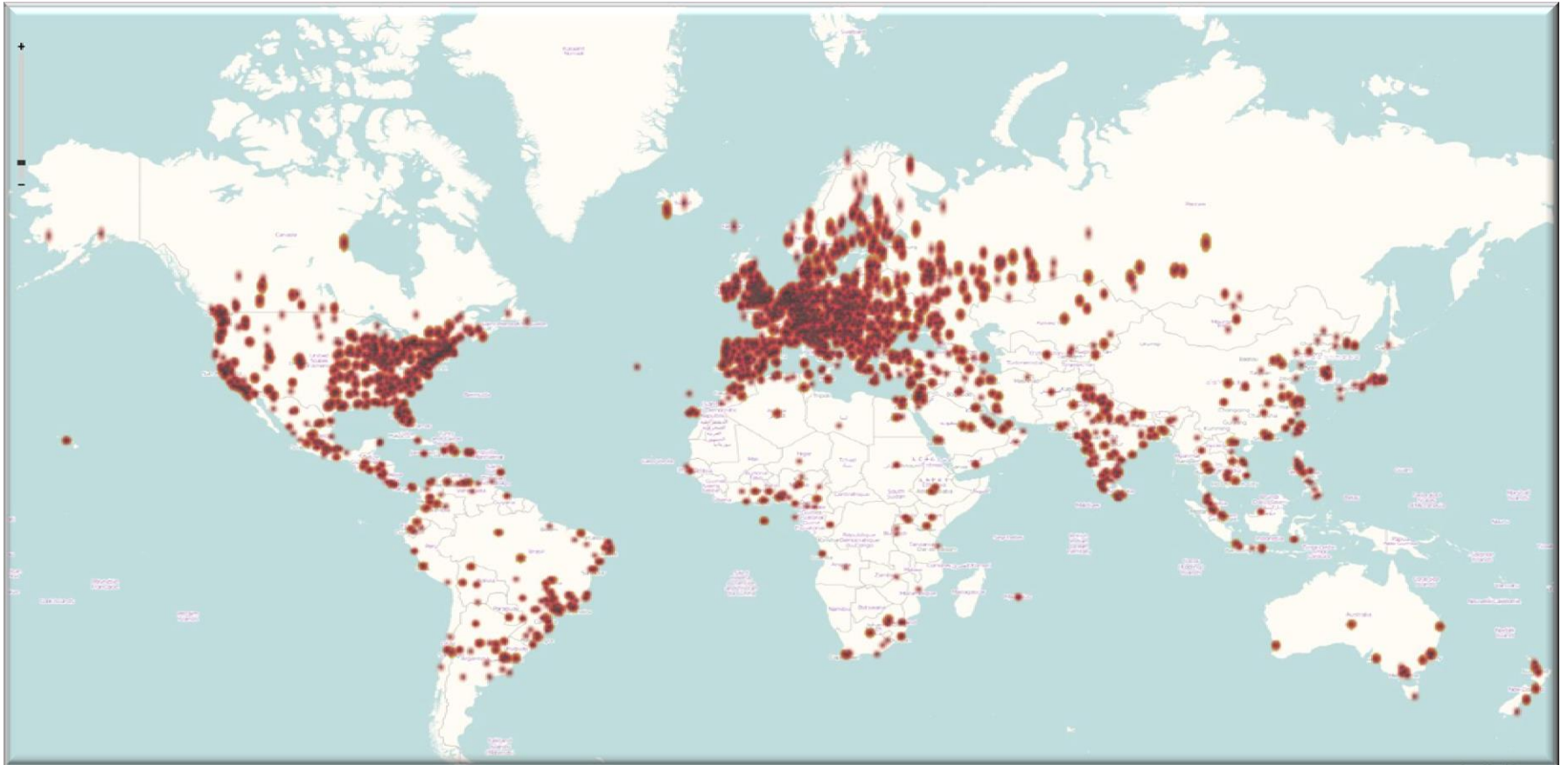


Professor of Computer Science

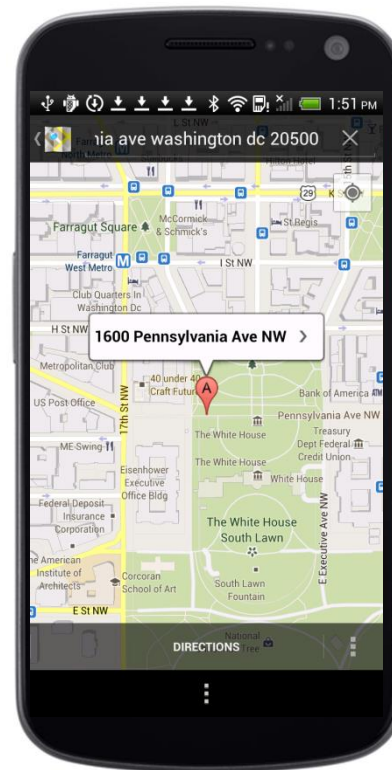
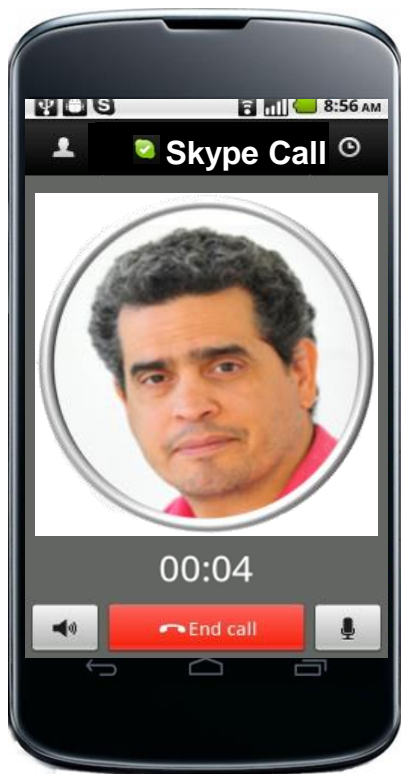
**Institute for Software
Integrated Systems**

**Vanderbilt University
Nashville, Tennessee, USA**



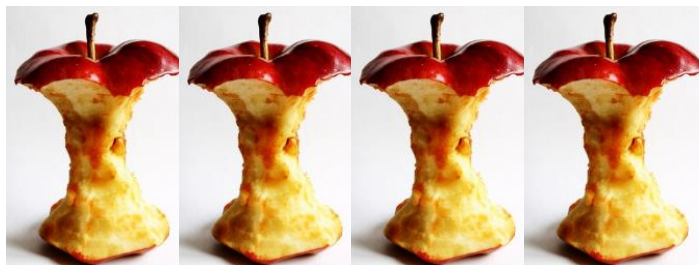
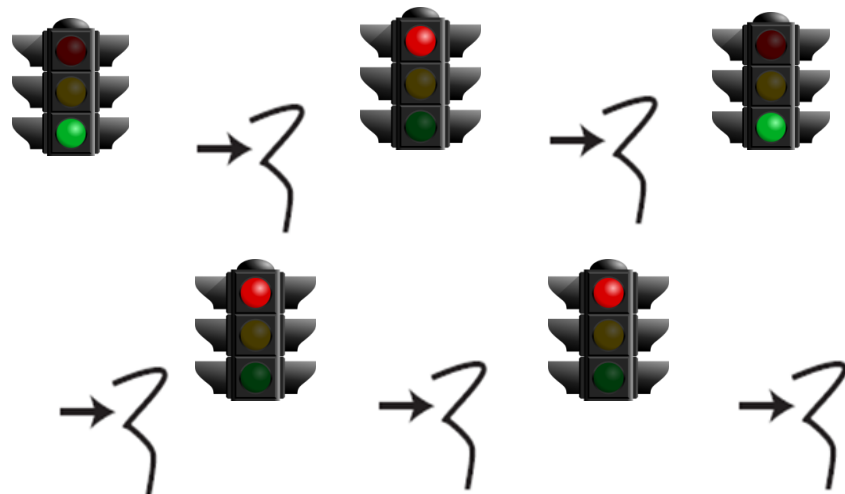


www.youtube.com/watch?v=JSkvChTSanM has more info

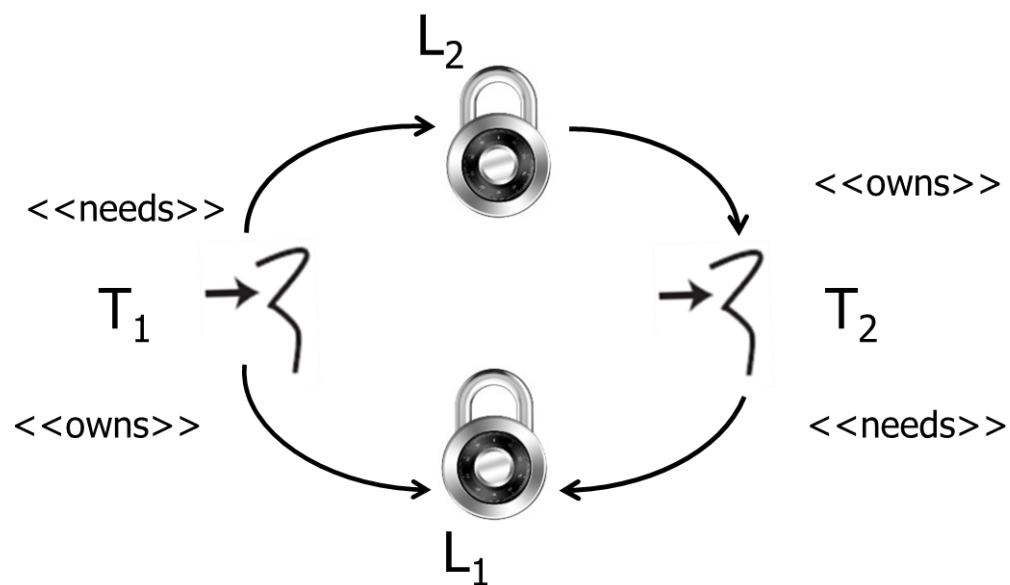












Overview of the MoCCA Specialization & this MOOC

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Mobile Cloud Computing with Android

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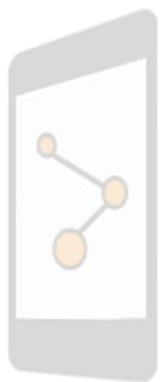
Mobile Cloud Computing with Android

www.youtube.com/watch?v=iBUyDIXiqeI has more

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mobile
apps



mobile
services

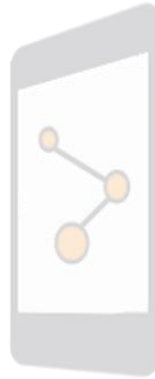


cloud
services

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mobile
apps



mobile
services



cloud
services

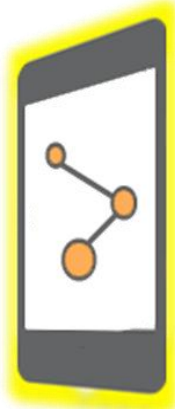


class.coursera.org/android-001/lecture has first lecture on Android

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mobile
apps



mobile
services



cloud
services

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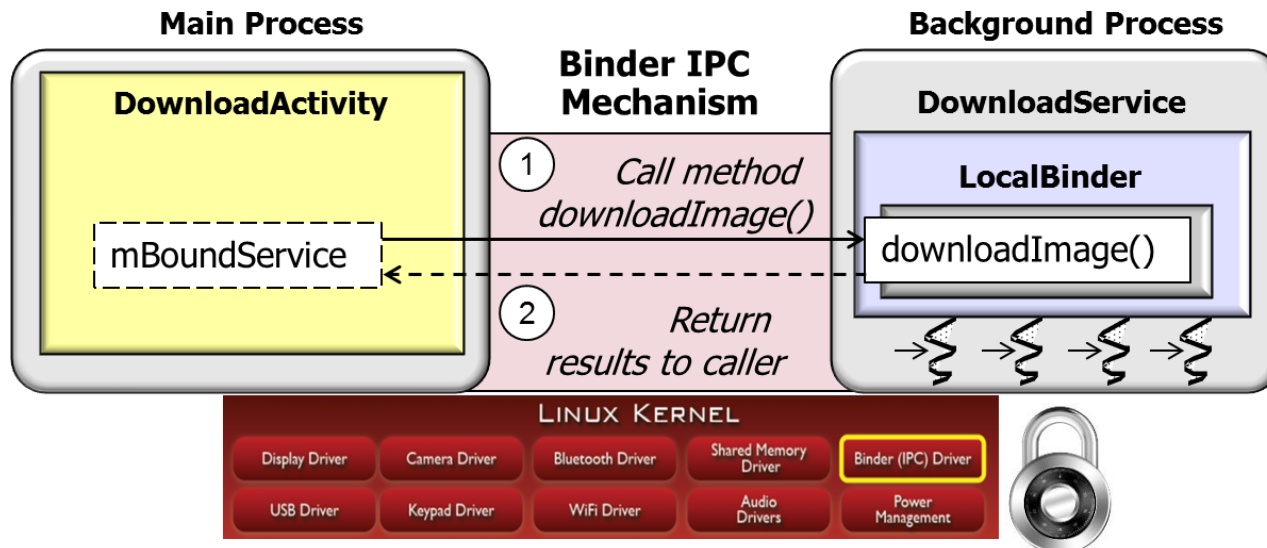
mobile apps



mobile services



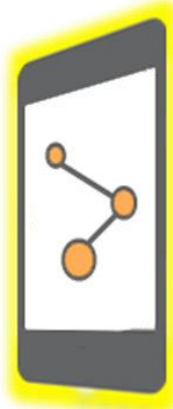
cloud services



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mobile
apps



mobile
services



cloud
services

Bundled & Third-Party Apps

Application Frameworks

System Libraries

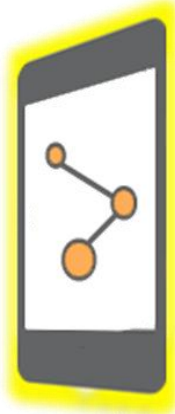
**Virtual Machine
Runtime**

Operating System Kernel

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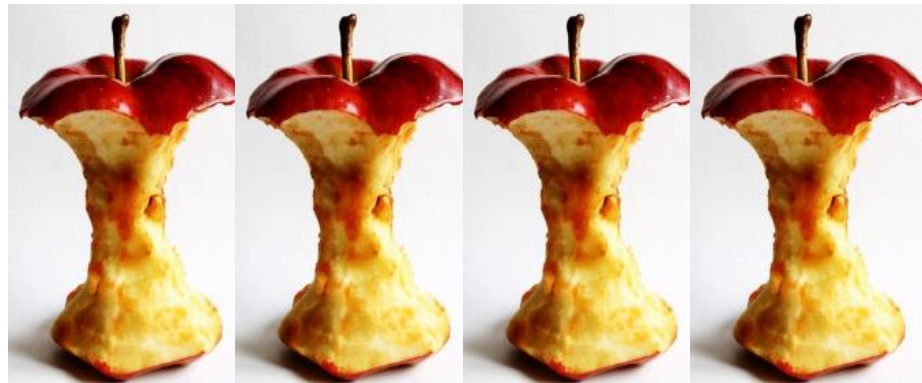
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mobile
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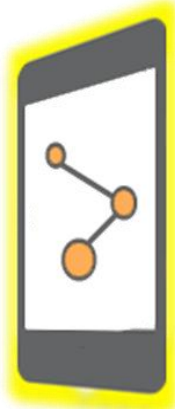
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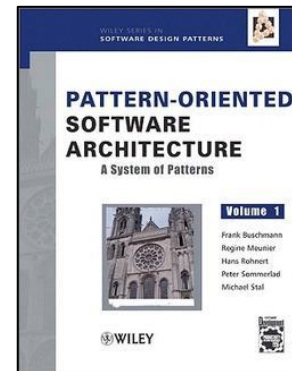
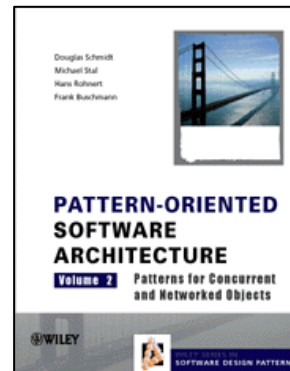
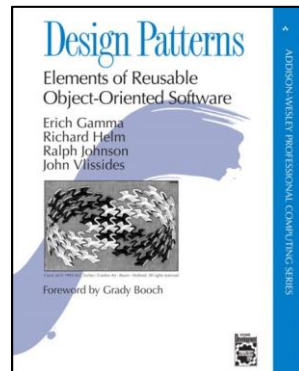
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services



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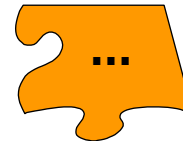
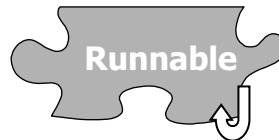
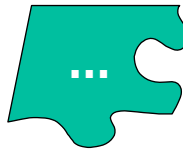
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Overview of Programming Cloud Services for Android Handheld Systems

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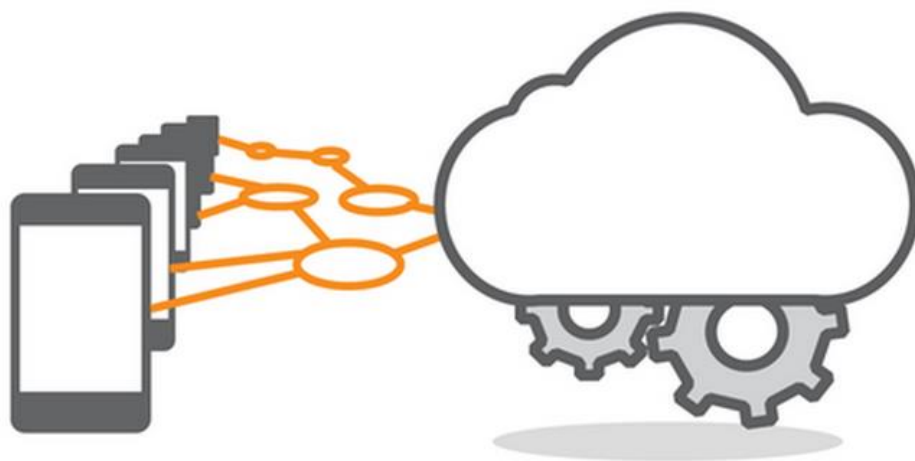
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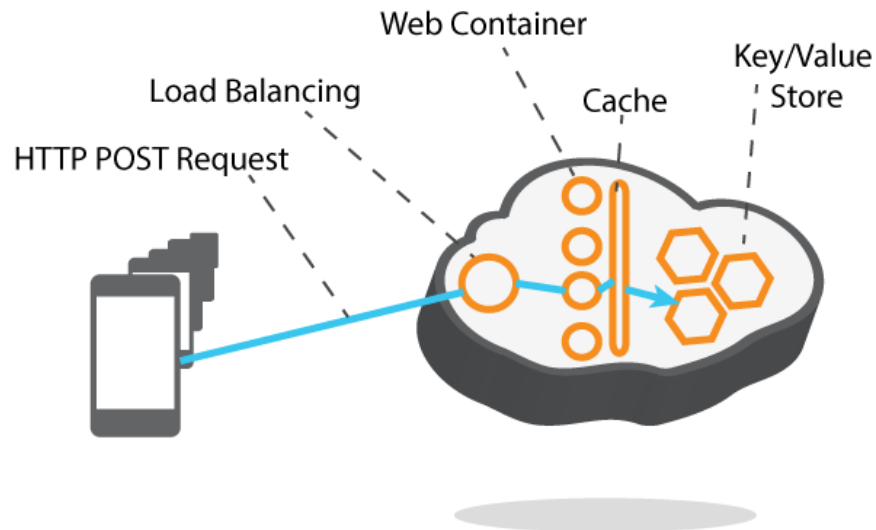
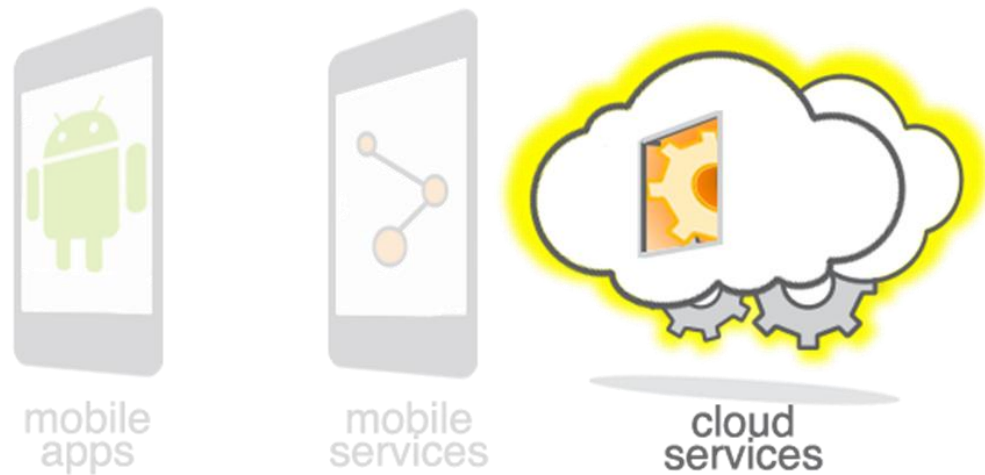
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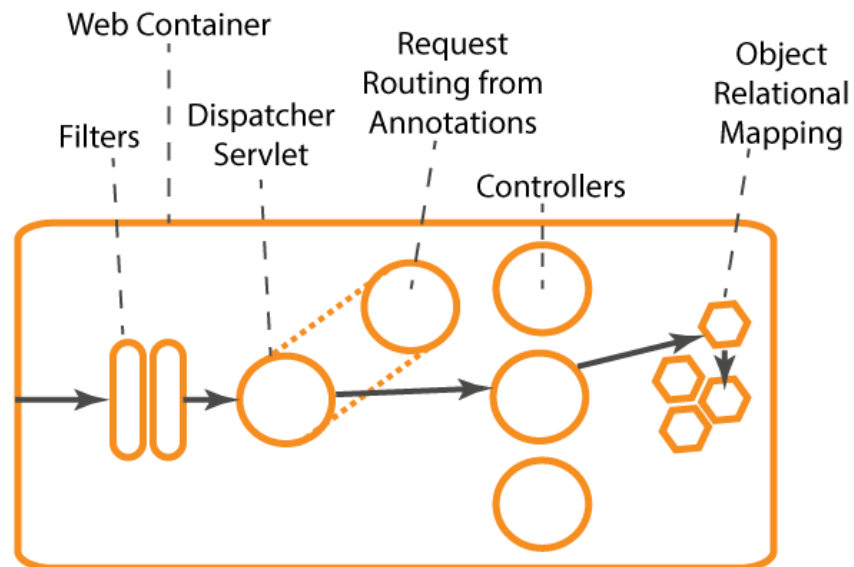
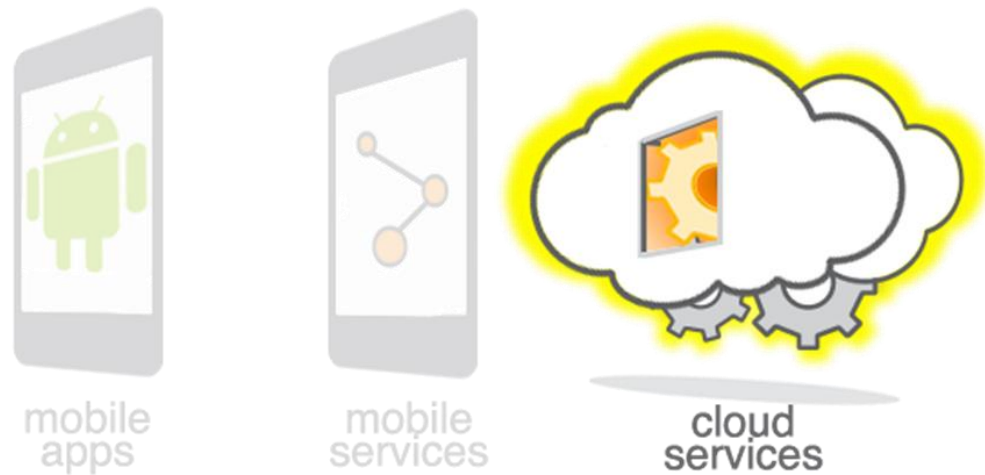
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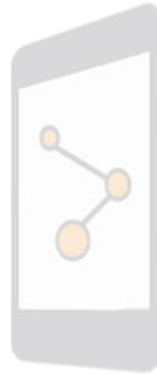
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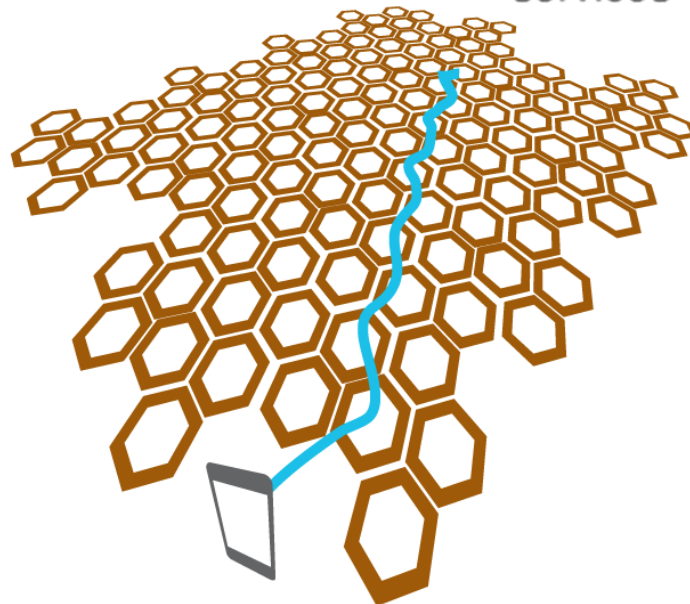
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apps



mobile
services



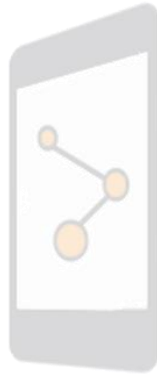
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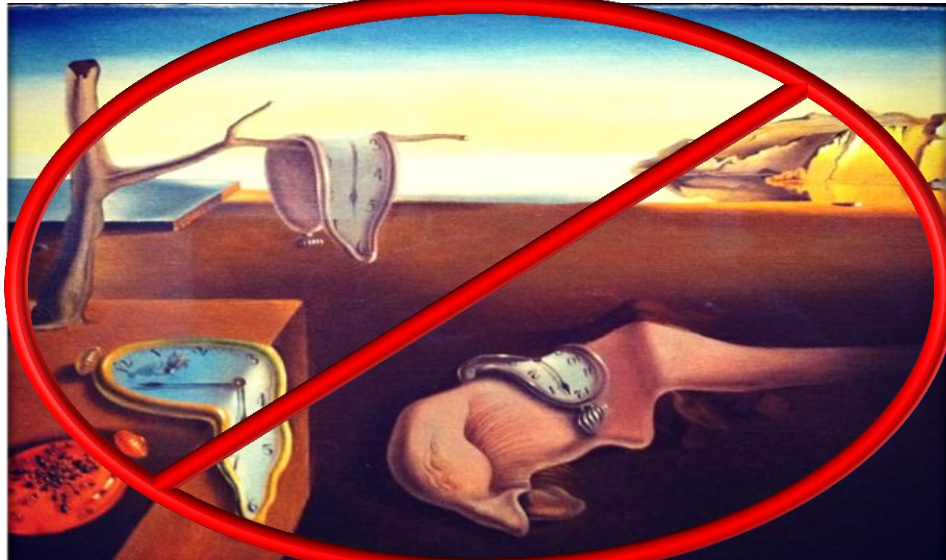
mobile
apps



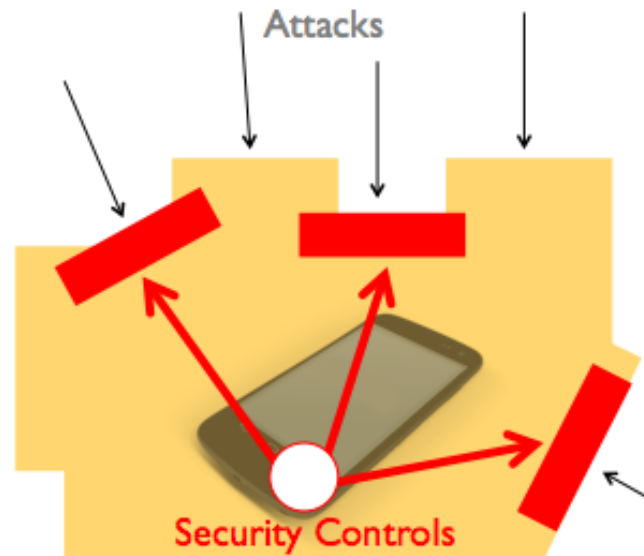
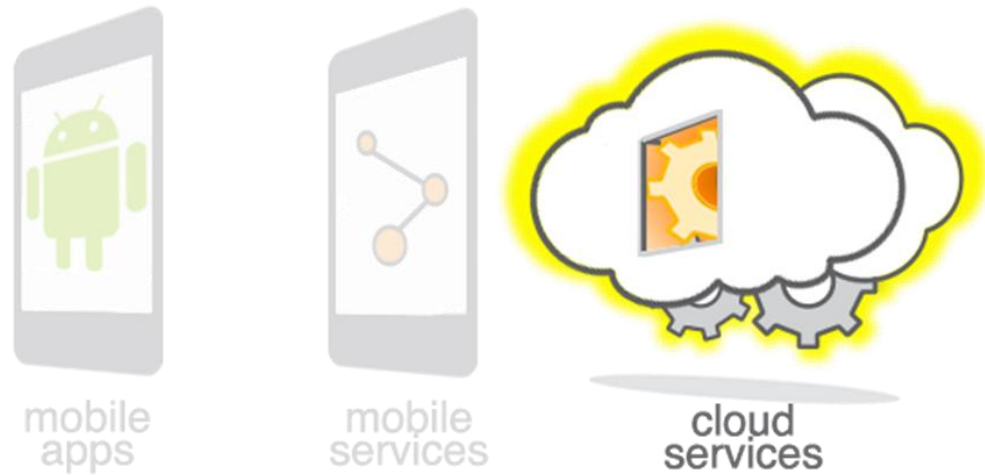
mobile
services



cloud
services



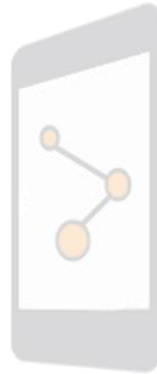
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**FINAL
CAPSTONE
PROJECT**



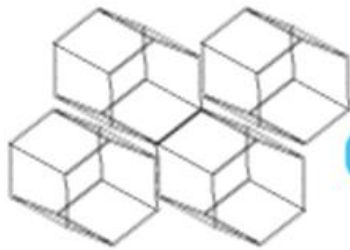
Codifying Software Experience with Patterns & Frameworks

Component

Integrated

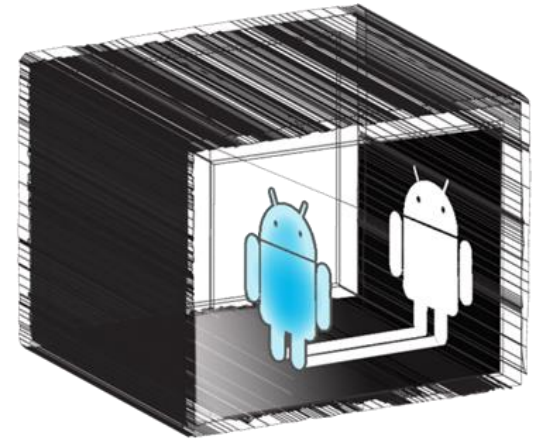
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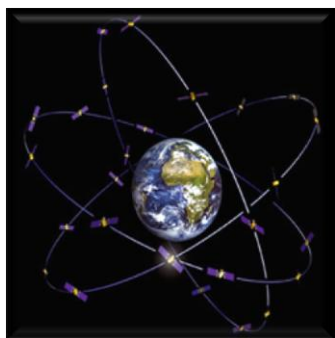
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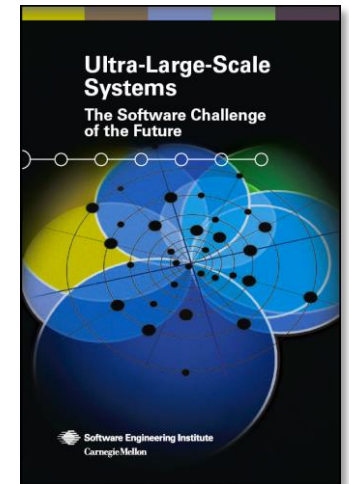
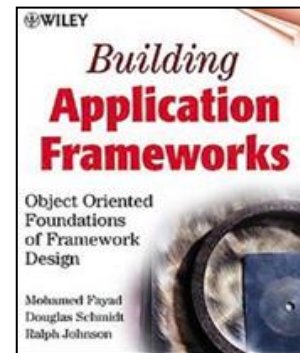
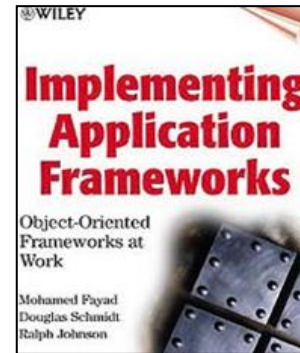
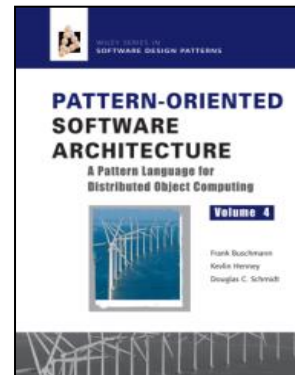
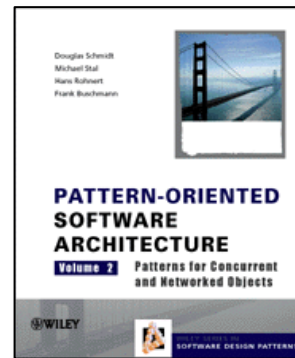
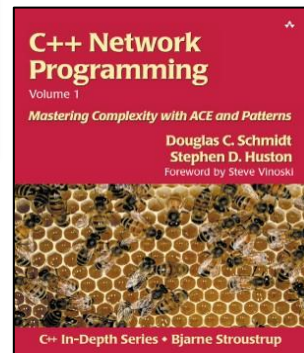
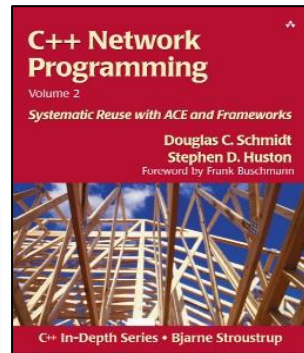
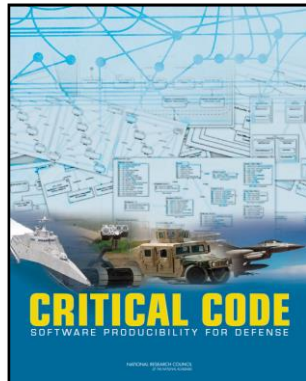


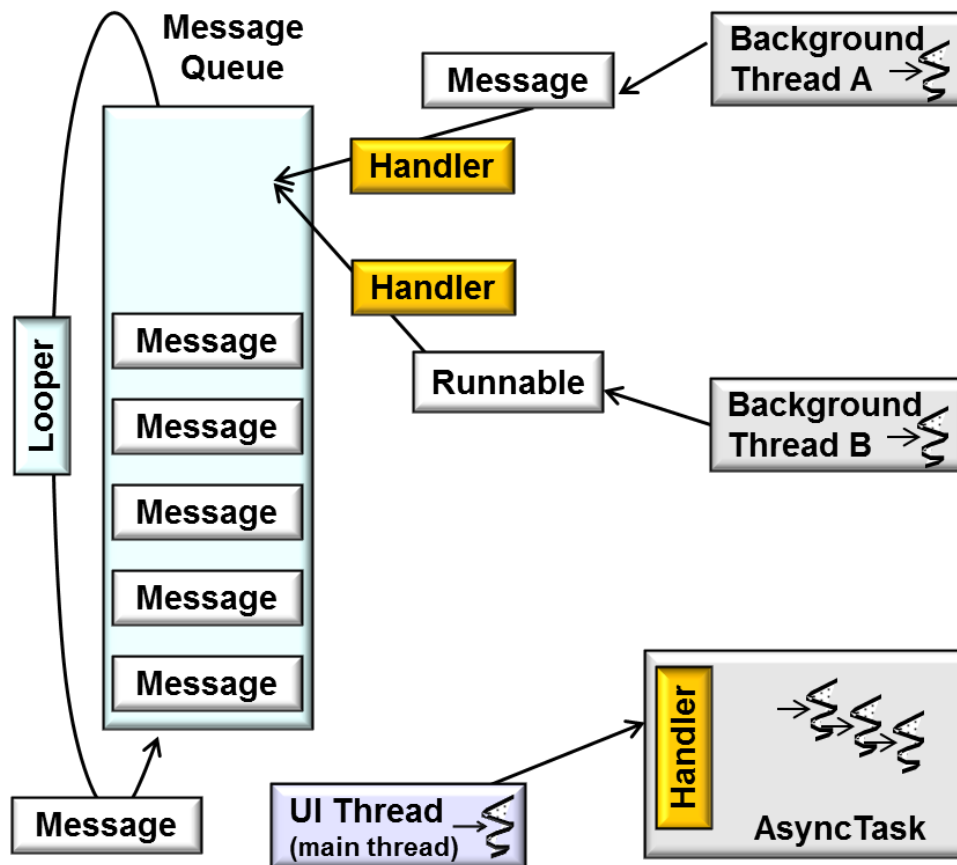
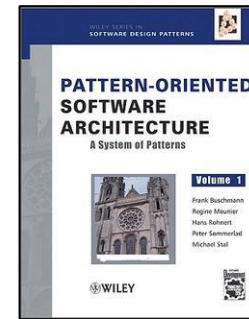
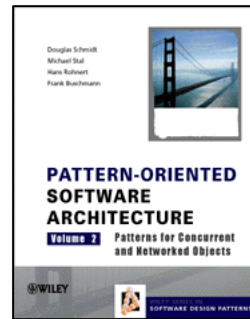
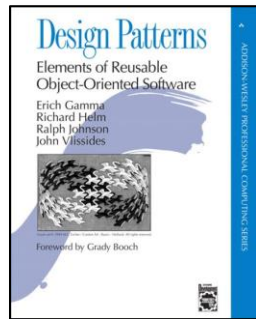
Generic Eclipse Modeling System

GhostBox

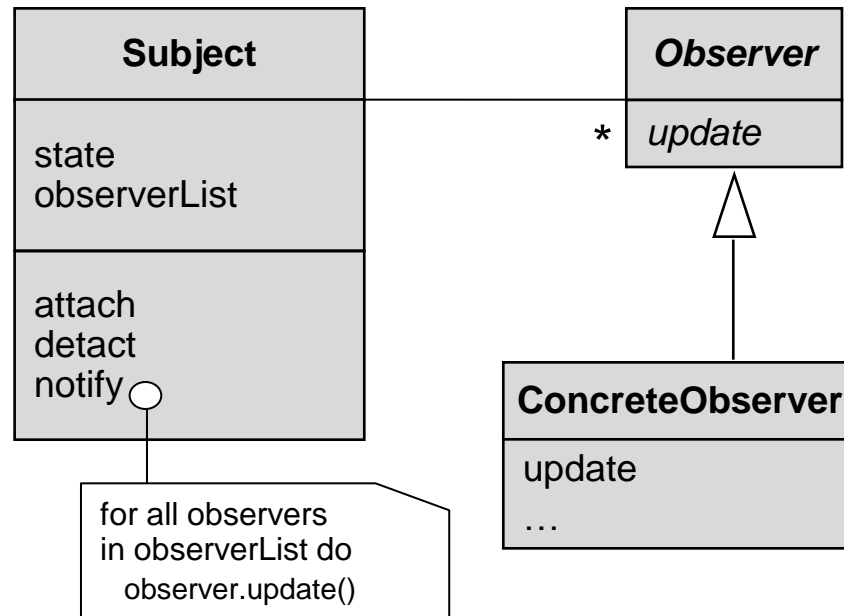




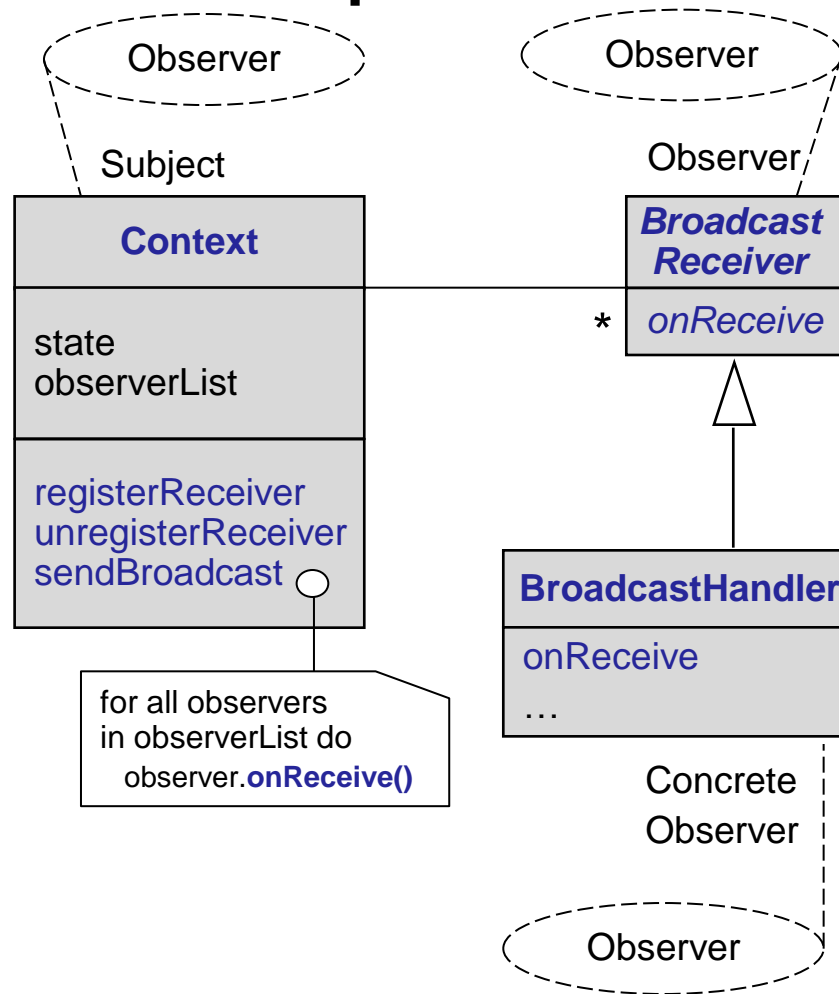




The *Observer* pattern



The *Observer* pattern



Application-specific functionality

