





Ubiquitous Computing

QR Profiler First Presentation

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DRESDEN concept Exzellenz aus Wissenschaft und Kultur



industry in Japan.

A QR code consists of black squares arranged in a square grid on a white background, which can be read by an imaging device such as a camera.

The required data are then extracted from patterns that are present in both horizontal and vertical components of the image.

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QR Profiler

QR code (abbreviated from Quick Response Code) is the trademark for a type of matrix barcode first designed for the automotive



Introduction



scenarios for our situation based profiler.

settings quickly and easily. Simply scan and forget!

User can efficiently adjust a series of system settings at a time based on the arrival or departure of commonly visited locations.

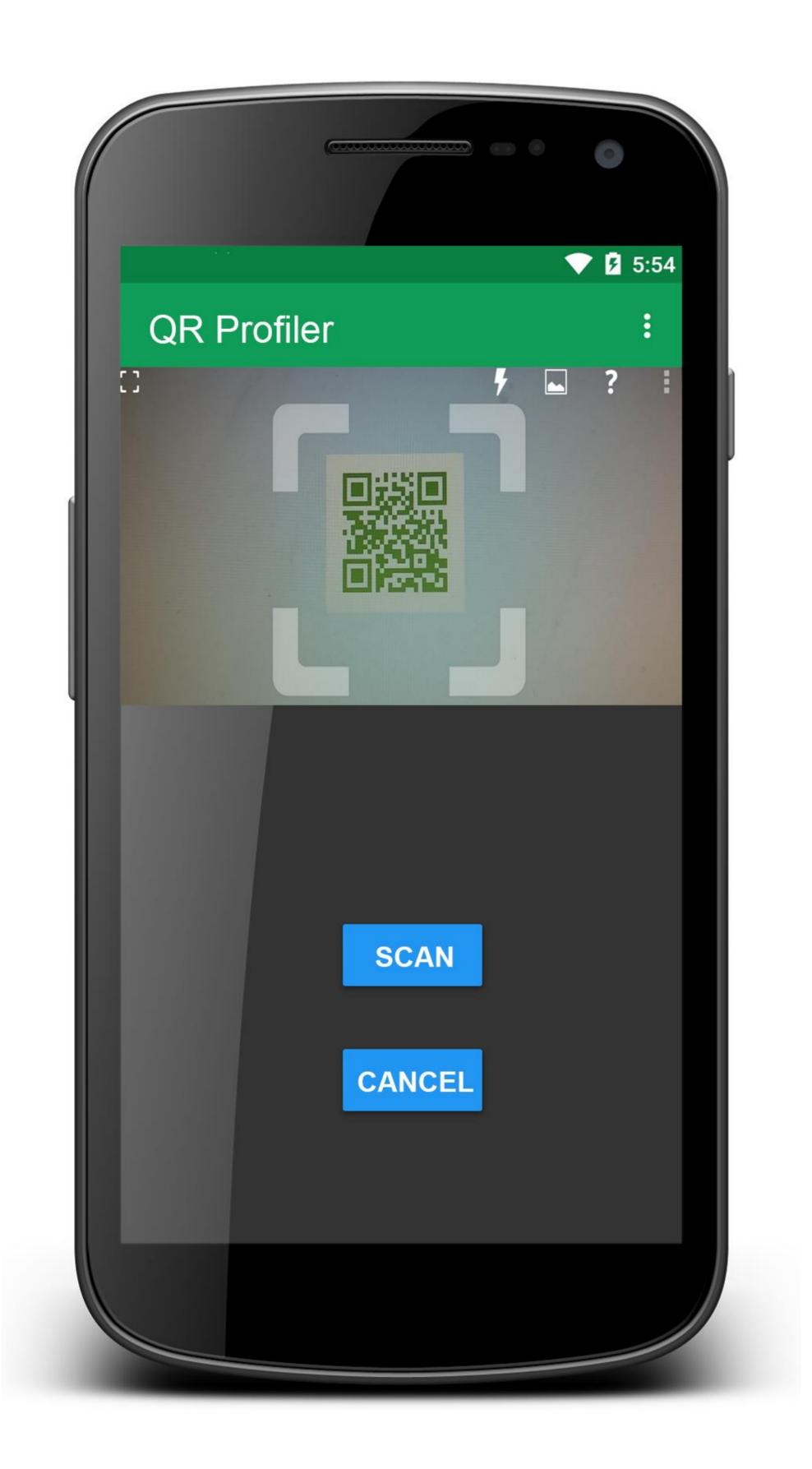
QR Profiler

Application Idea

Imagine as you reach library, class room or some public places, the phone volumes automatically decrease. Once you are at home, it turns on WiFi and connect to your home WiFi. These are just a few

QR Profiler lets you change volume, wireless and other phone

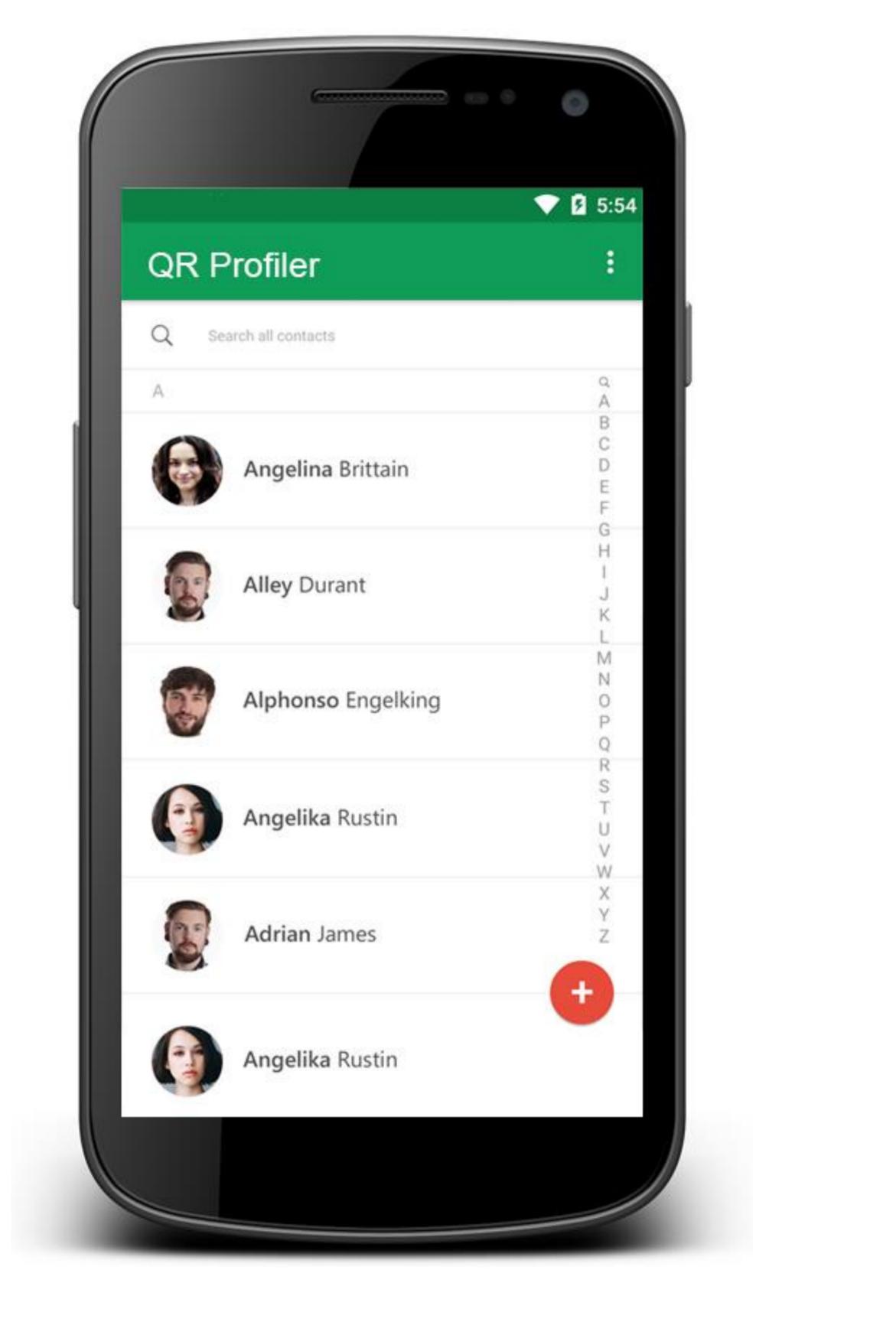




Profile Manager

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QR Profiler



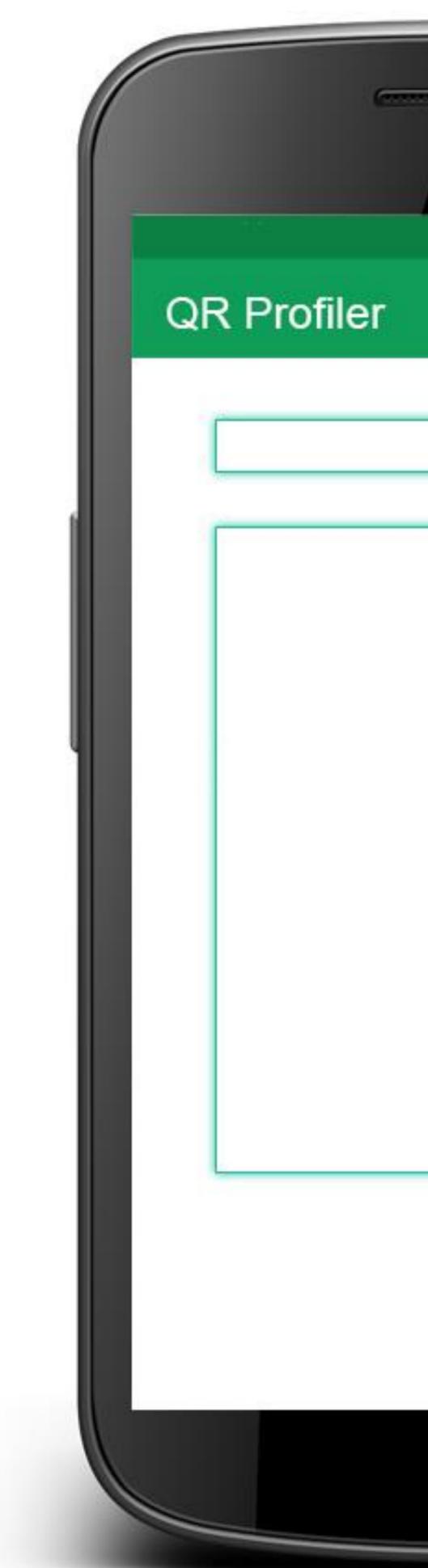
Contact Transfer

Mockups









Text / Clipboard Sharing

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▽ 💈 5:54

QR Profiler

QR Profile	5:55:5
Tab & Arrow	
Click & Arrow	
Click & Drag	
Click Jump	
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Settings Exchange

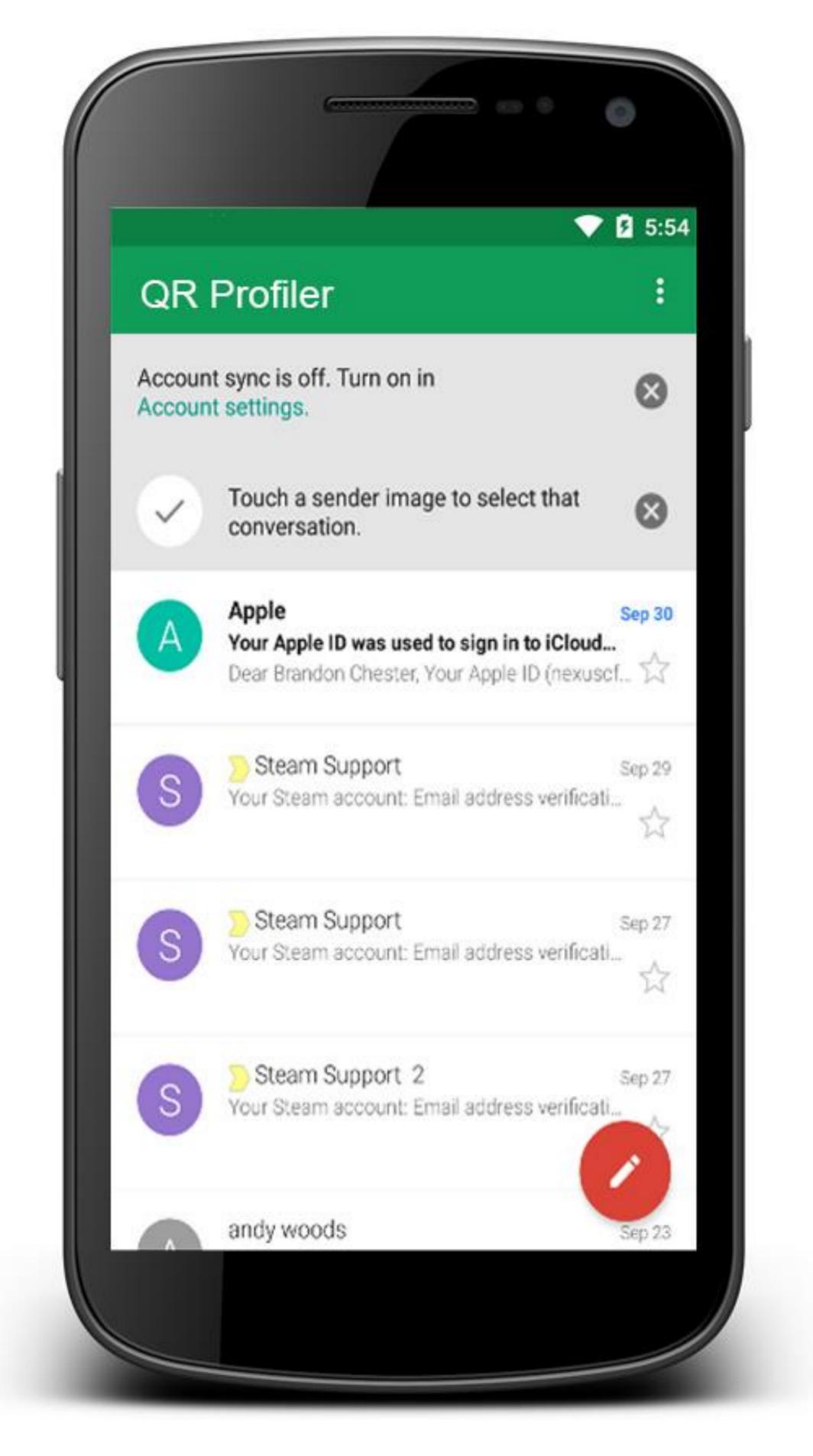
Mockups









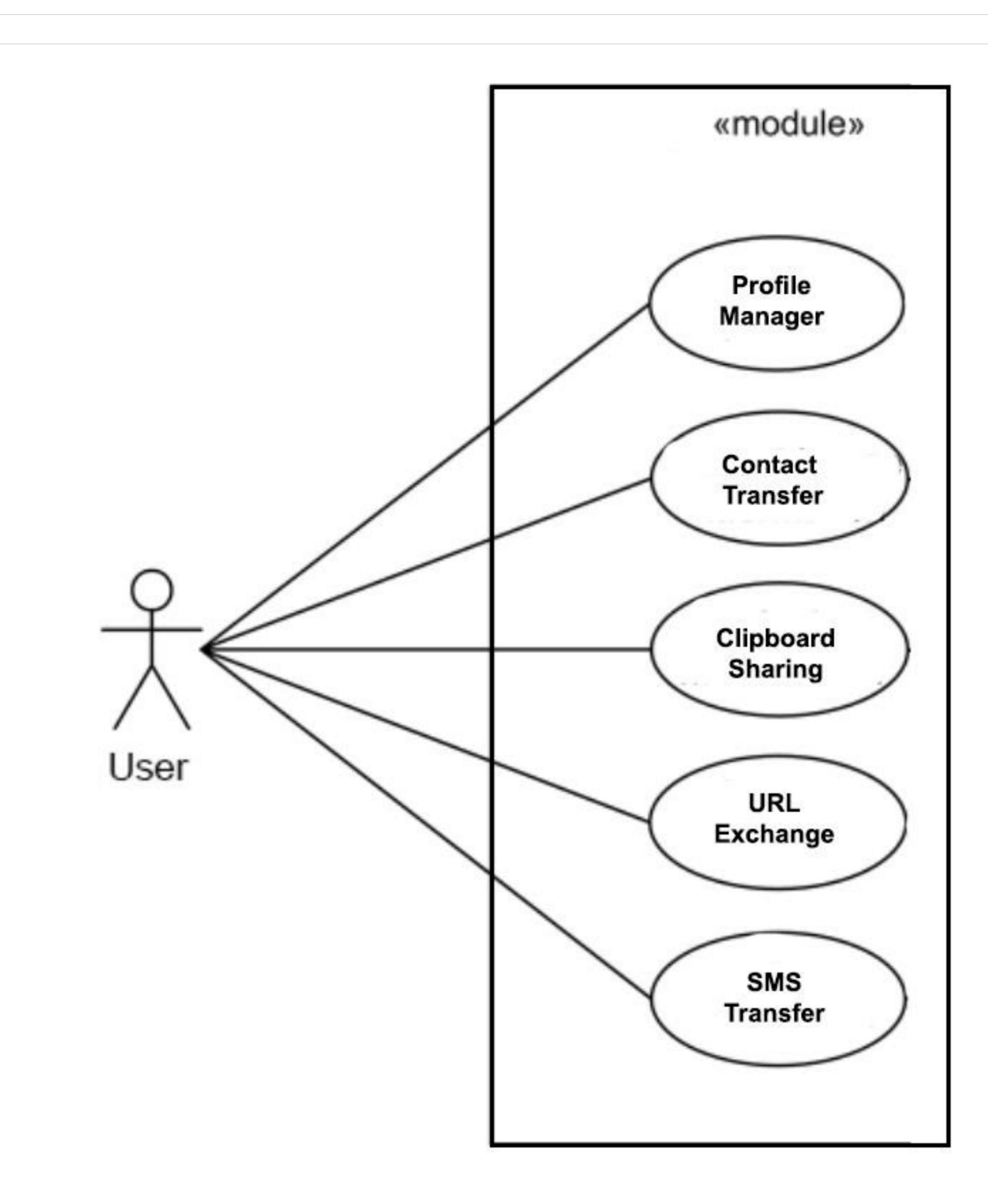


SMS Transfer

QR Profiler

Mockups





QR Profiler



User Cases

Folie 7



Development: Android SDK Java SE Android Studio IDE



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QR Profiler

Resources: Shared Preferences SQLite Database Camera ZXing API Image Library



Technologies



Usability Challenge Intuitive

- Easy to use

Connectivity Challenge Provide real time information in poor and unstable connection

Offline Challenge

- Works in offline mode
- Synchronize with backend

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Differentiate user tasks and roles

Resolve conflicts due to concurrent changes

QR Profiler









27.01.2017: Final presentation

January Bug fixing Final output

December Fine Tuning Testing

16.12.2016: Adaptation concept presentation

- Feature Implementation Completion
- Start project prototyping

- **UI** Design

04.11.2016: First presentation



November

Resource collection & Knowledge gathering Design application outline

QR Profiler

Work Plan



Thank you for your attention

QR Profiler