



Application Development for Mobile and Ubiquitous Computing

Seminar Task First Presentation

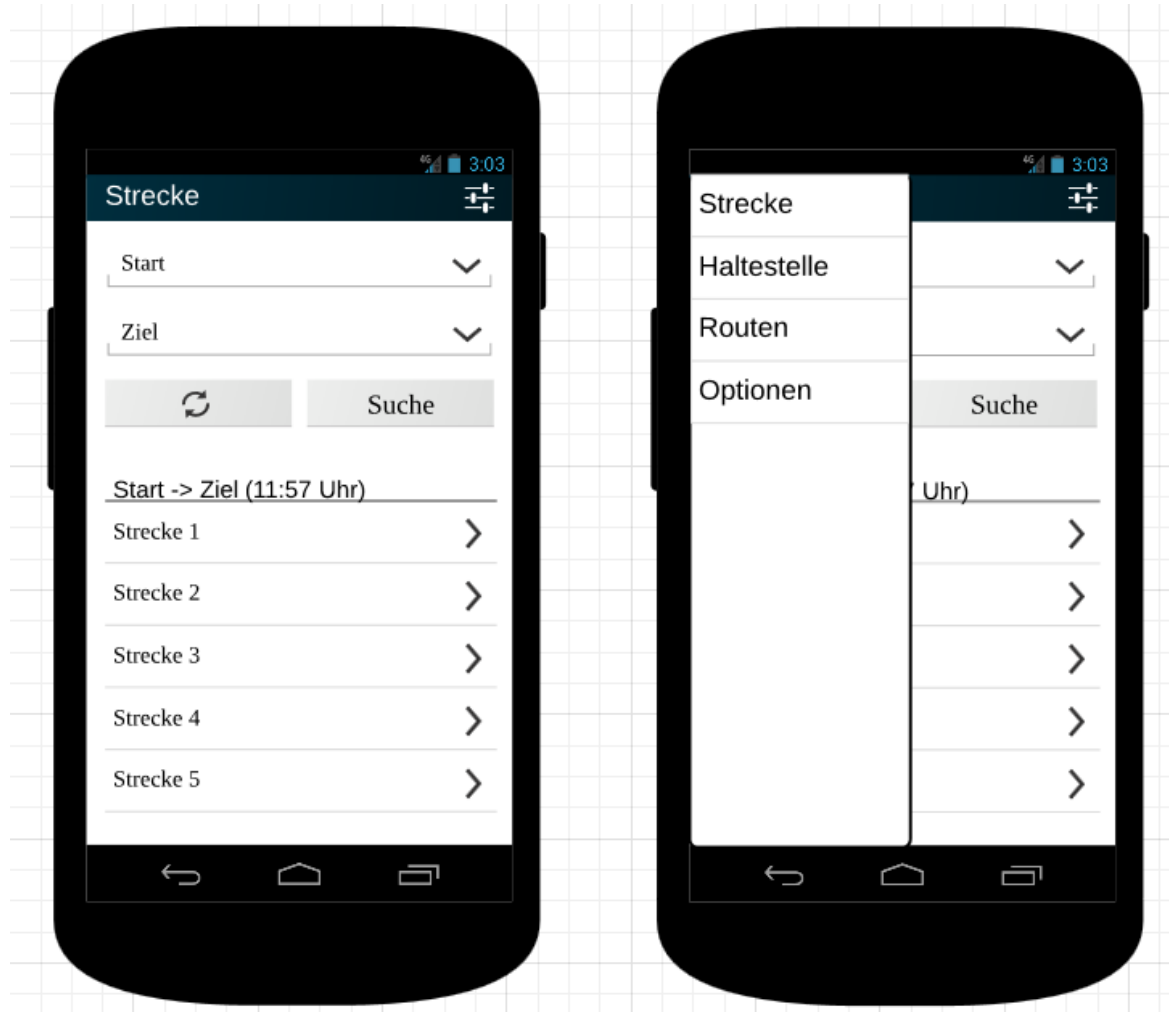
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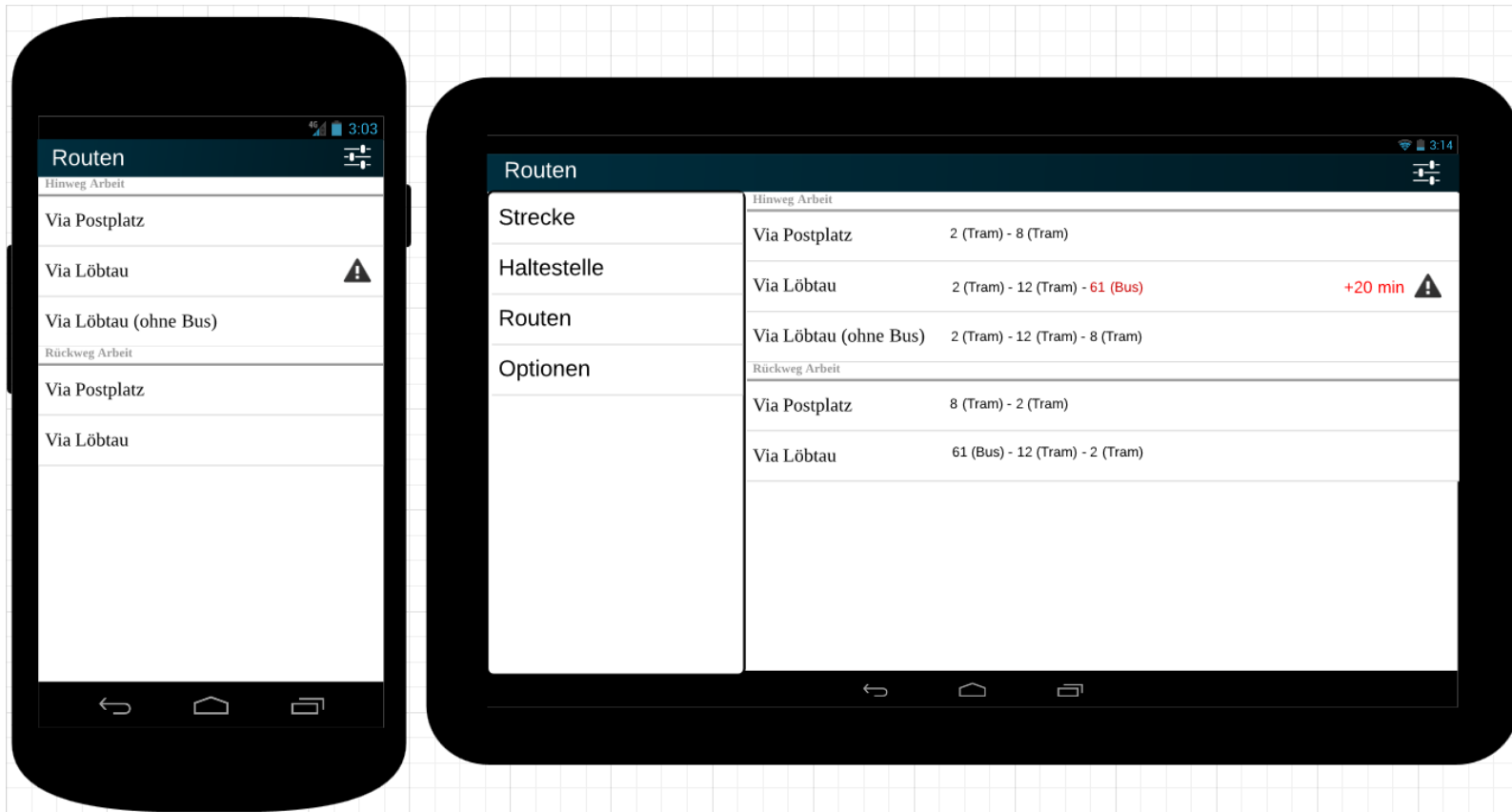
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1. Application Scenario
2. Technologies
3. Challenges
4. Work plan

- **journey planner for public transport in Dresden**
 - **information about**
 - **journeys from first location to final destination**
 - **departures from any stop in Dresden**
 - **save your most used journeys**
 - **available to the time you need them – no endless loading times**

- **Available for Android 4.0+**





- Android Studio
- Java
- Maven
- Public-Transport-Enabler library



maven

- low data volume in transfer
 - API of the DVB only requires and returns small data
- high performance
 - computing work mostly done on the DVB servers
- adaptation concepts
 - prefetching
 - caching

- 24.11.2014: Collecting possible app ideas
- 31.11.2014: Analysis Phase
Find a public transport API or database access
- 07.11.2014: First presentation
Begin of conception phase, plan the app architecture
- 21.11.2014: Implement a first prototype
- 19.12.2014: Adaptation concept document
Improve prototype to final app
- 16.01.2015: Testing, Bugfixing and Optimizing
- 30.01.2015: Final presentation