TECHNISCHE UNIVERSITÄT DRESDEN

Department of Computer Science Institute for System Architecture, Chair for Computer Networks

Application Development for Mobile and Ubiquitous Computing

Seminar Task: First Presentation

Group 9
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Structure

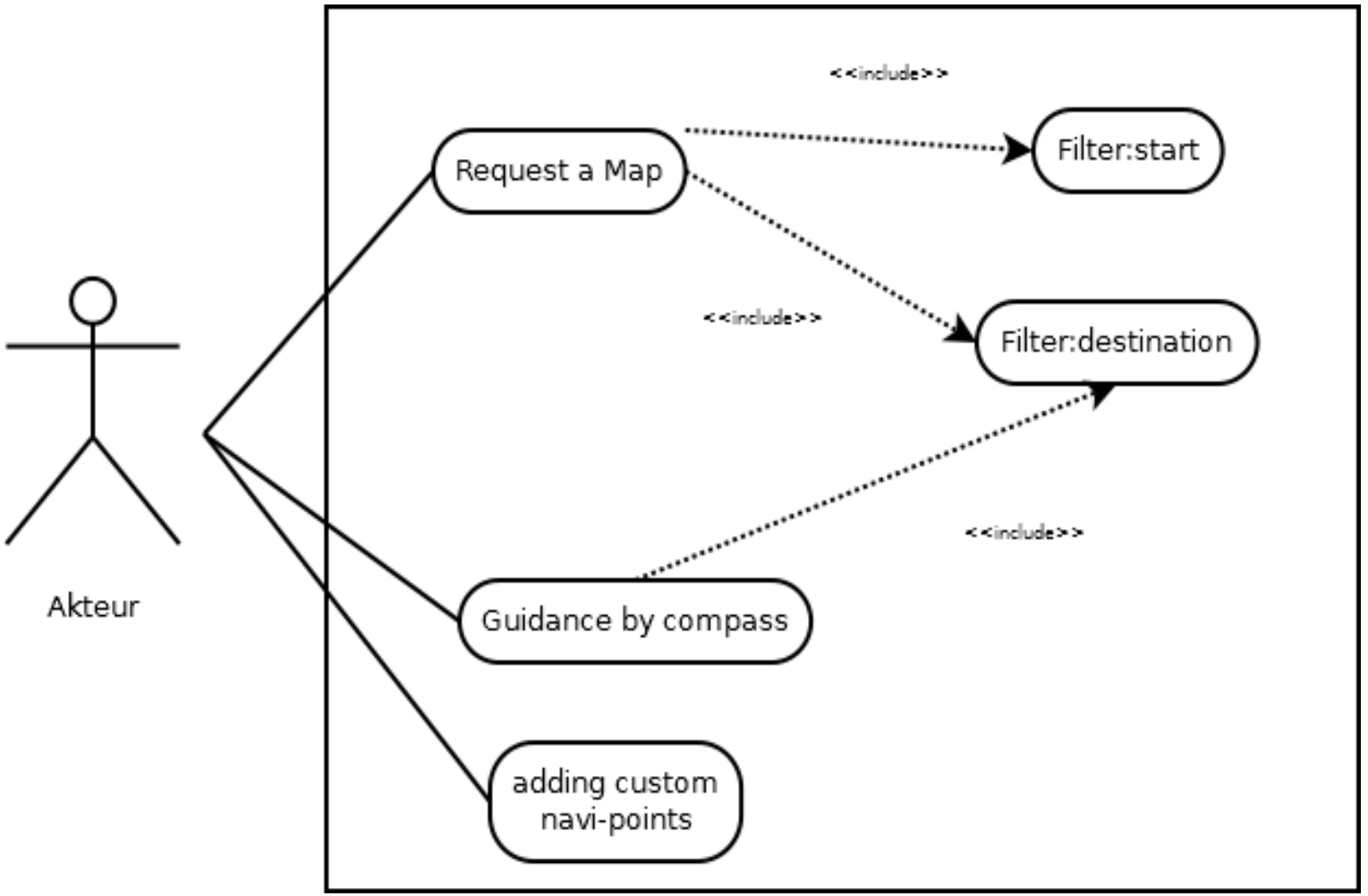
1. *Application Scenario*
2. *Technologies*
3. *Challenges*
4. *Workplan*

1a. Application Scenario

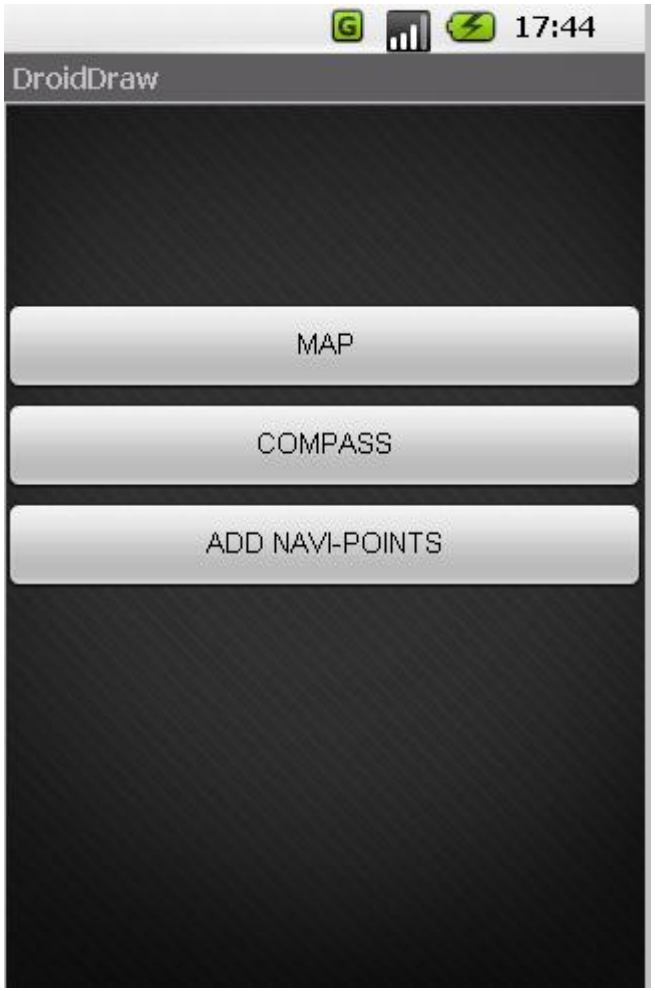
"FreshMenNavigator"

- **idea:** navigator supporting a freshman
  - user friendly
  - intuitive, simple
  - minimized GUI

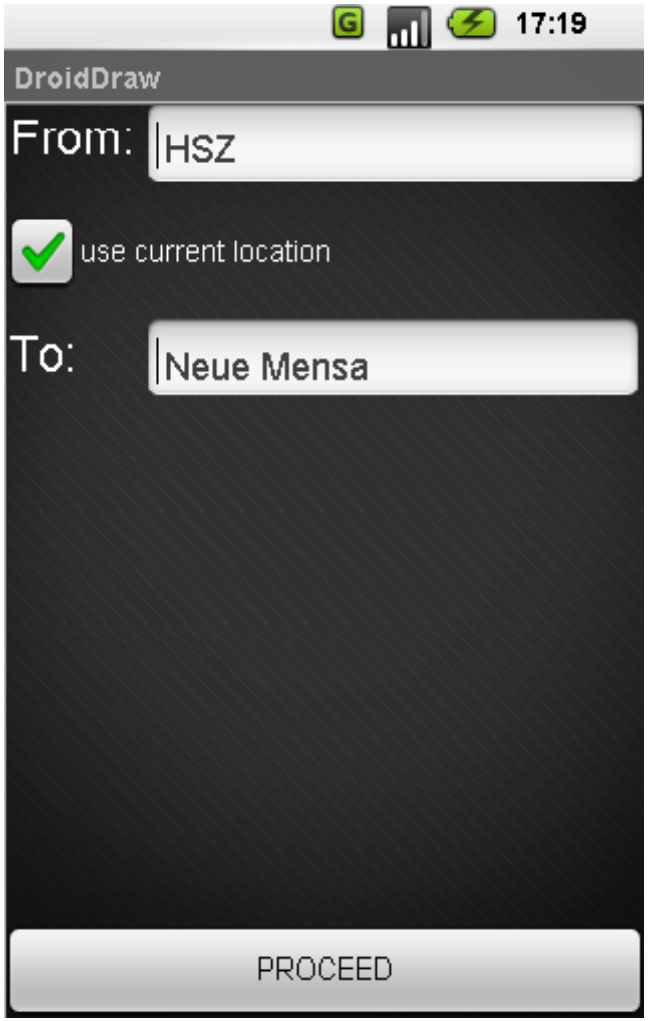
1b. Application Scenario

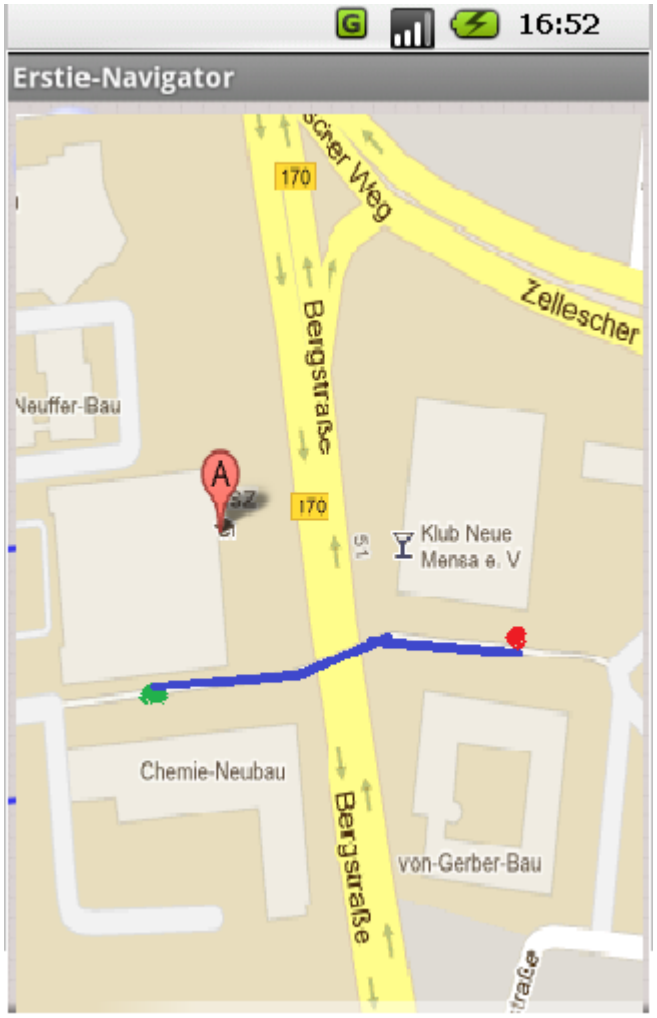


1c. Application Scenario

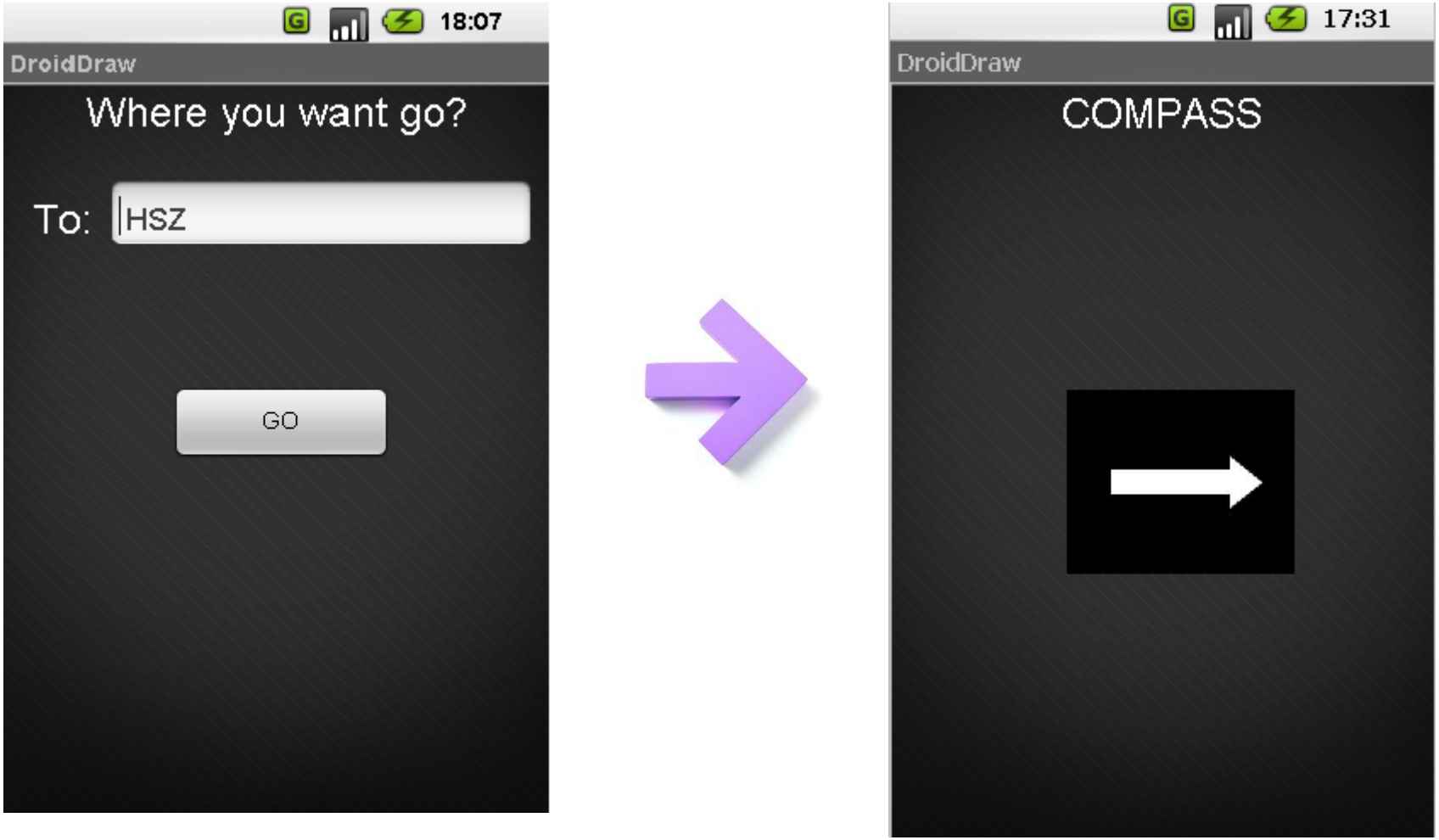


1d. Application Scenario





1e. Application Scenario



2. Technology

- android platform 2.3 Level 10 "Gingerbread"
- IDE: Eclipse + ADT Plugin
- GoogleMaps

- Location-Technology
  - Location-based services
    - GPS-tracking
    - Network-tracking

3. Challenges

- location-based services
- geolocation (android.location + googlemaps)
- handle energie consumption - energie aware communication
- usability: satisfy customer
  - make it easy and intuitive
  - personalization (custom navi points)

4. Work plan

- get familiar with the android framework
- design of basic gui and “activity flow“

- add neccessary functionality
  - navigation via network using GoogleMaps, path to be drawn on the map
  - GPS and compass
  - manage campus buildings
  - stabilize and optimize

- maybe add more functionality

The End

Thank you for your attention!

Any questions?