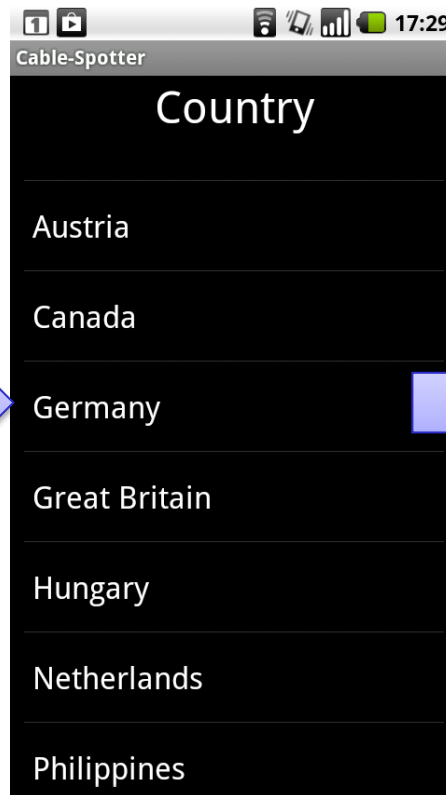# Application Development for Mobile and Ubiquitous Computing
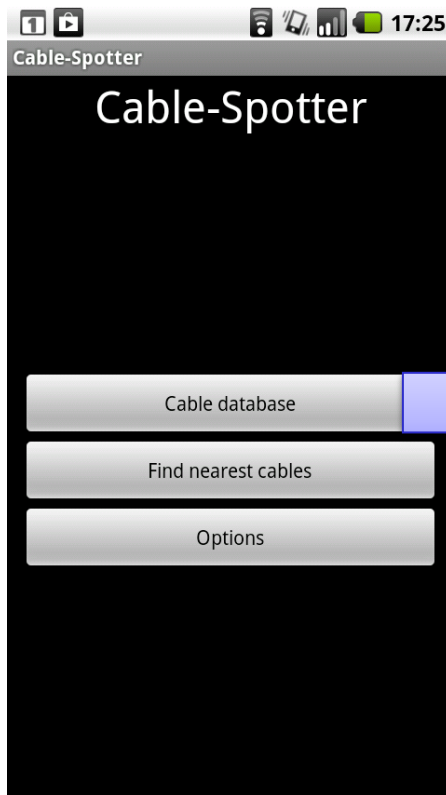
Cable-Spotter

Final Presentation
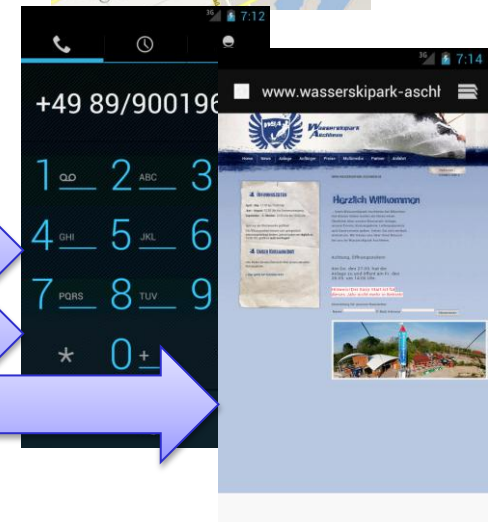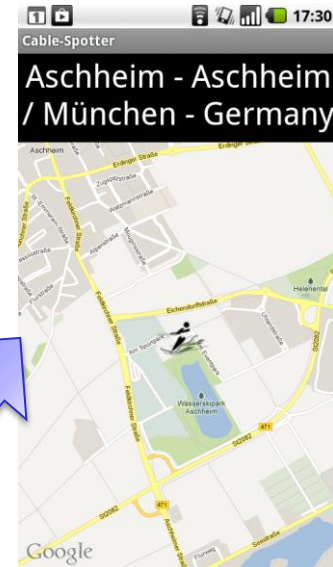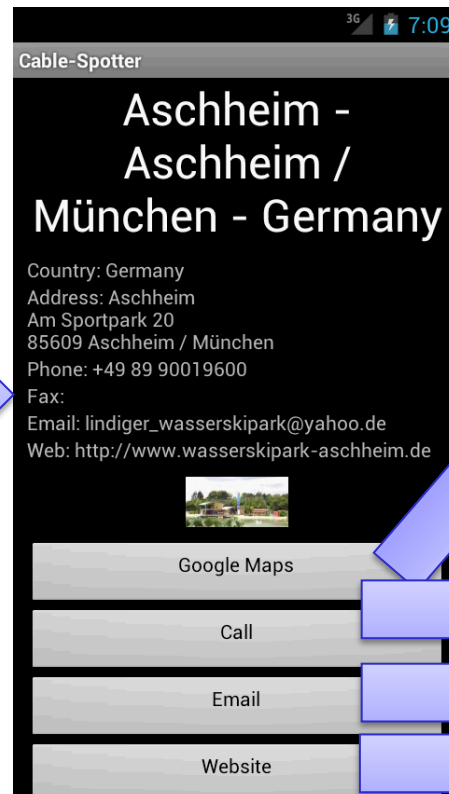
GroupNo. 11
Team: Tom Lutze

- Lokal Database for all Waterski-Parks in the World

- Database is sorted by countries and displayed in ListView
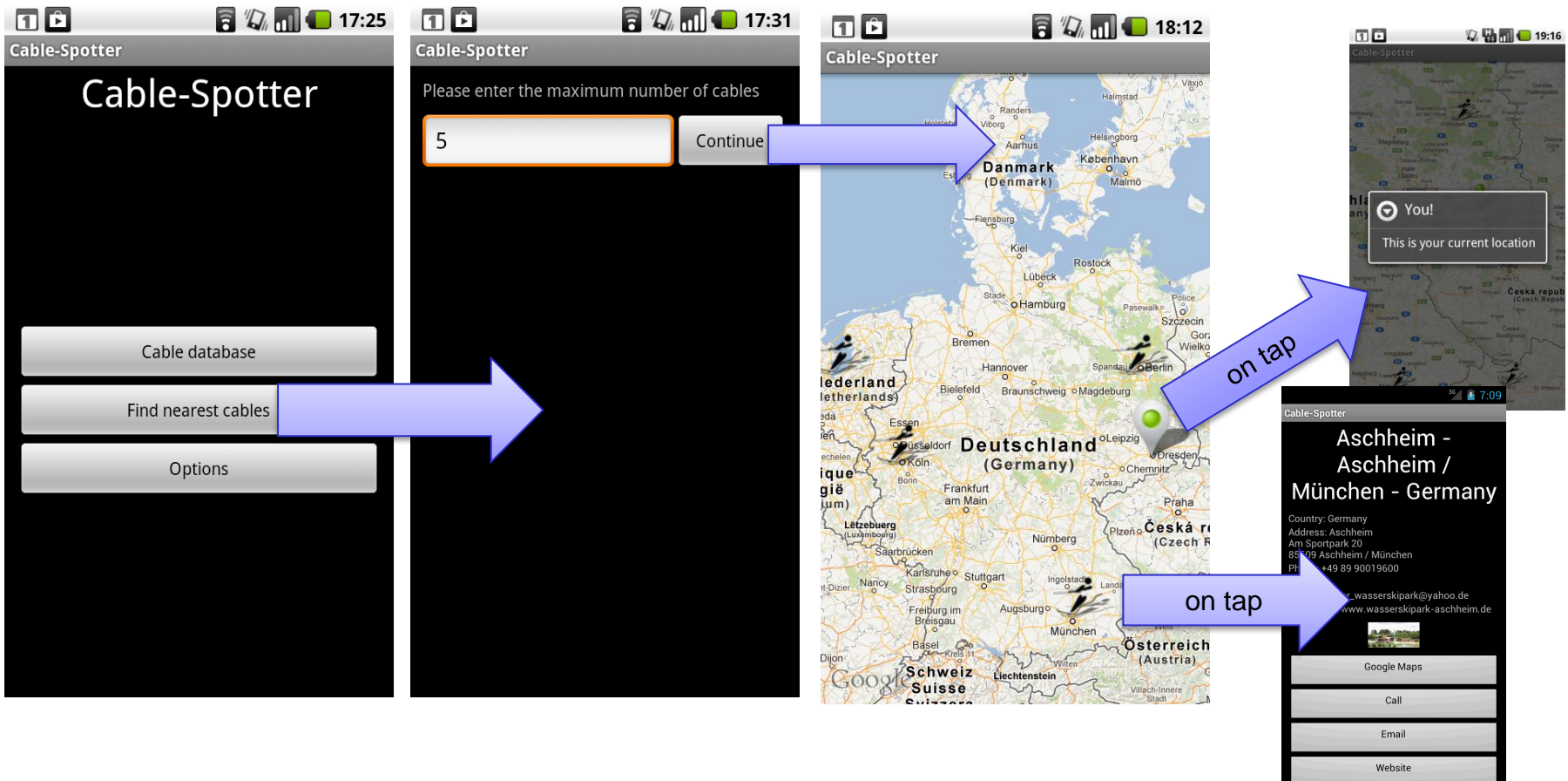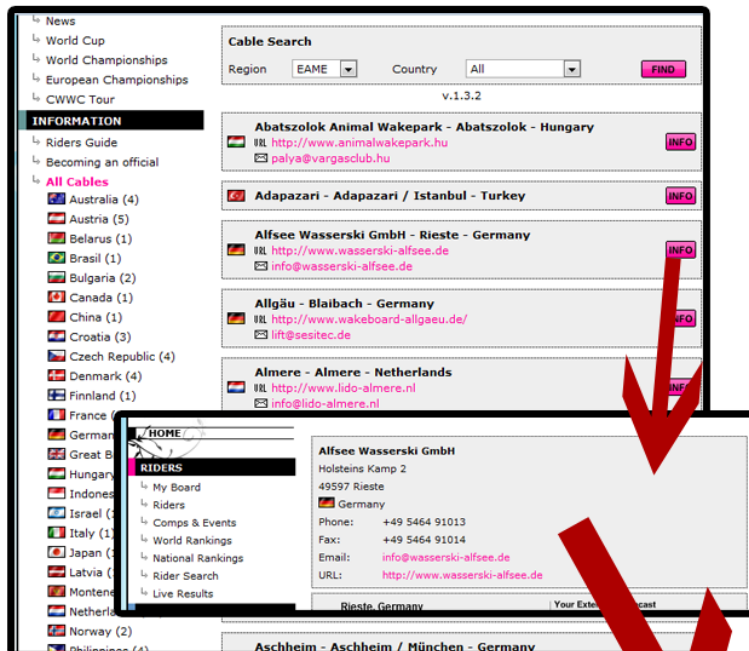
■ Detailed information about the spot

- After entering the desired number of spots, the map shows your location and the cable-locations

- Activity gets your location by GPS or wirelessnetwork
- Notification if GPS or networklocation is deactivated
- User will be forwarded to networkoptions

- Fetched from WebSites

Array: [Name, Address, Phone, Fax, Email, URL, Image-URL]

- Manually by userinput (new feature)
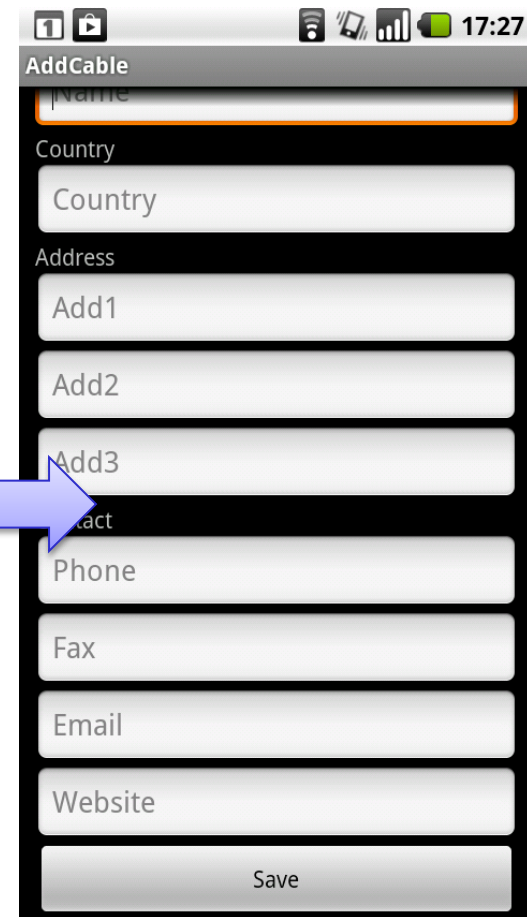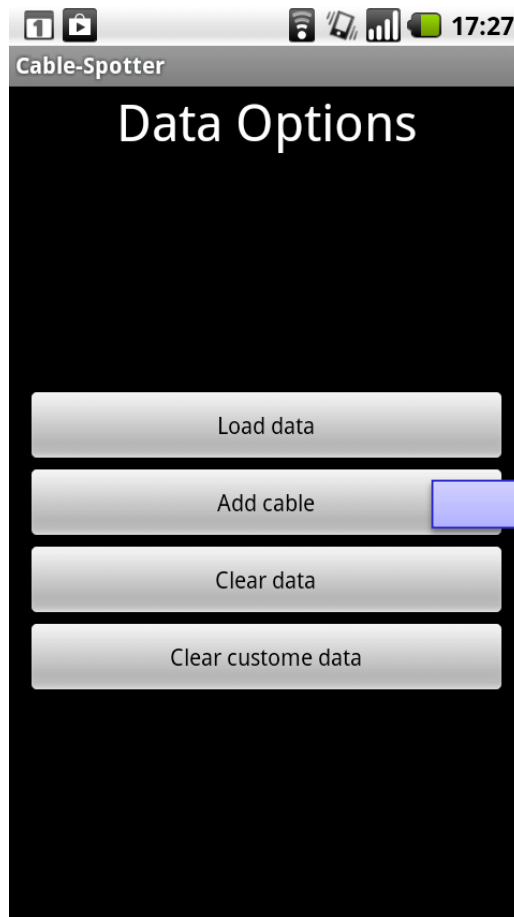
- **Usability**
  - Intuitive interface
    - o simple menu-navigation
    - o yes-no-prompts
    - o user will be forwarded to networkoptions etc
  - Informative UI
    - o Progressbar on long term data collection
    - o informations with Toasts
- **Easy to use**
  - Offline support
  - user needs to download database only once
  - Basic information like address and contactdata is always offline available
  - GoogleMaps-features are not supported in offline-mode

- Android 2.2
- Google Maps API
- Jsoup for data scraping
- SharedPreferences for storing database
- eclipse as IDE

- first experience with programming on Android
- learned how:
  - the activity lifecycle works
  - to communicate between UI and Activity
  - to collect data from websites with Jsoup
  - to use the Google Maps API
- Android Development Tools for eclipse are very helpful to build UI and to test your app with the included emulator