



Application Development for Mobile and Ubiquitous Computing

Cable-Spotter

Final Presentation

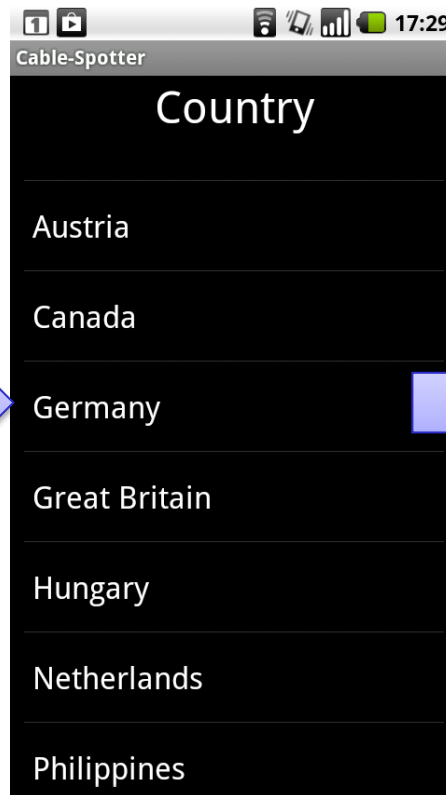
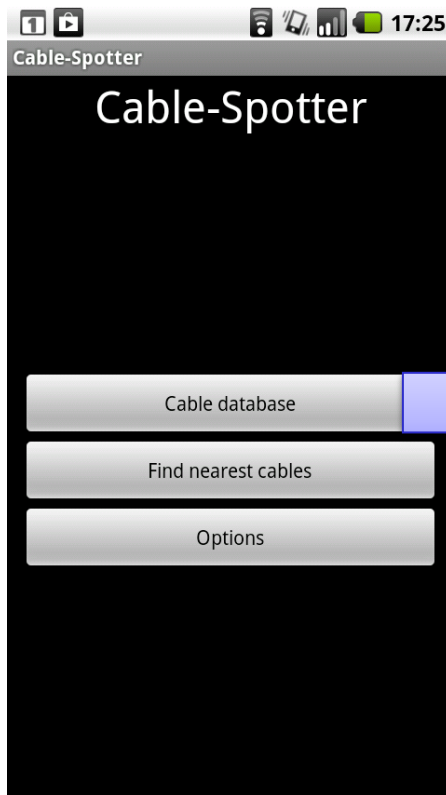
GroupNo. 11

Team: Tom Lutze

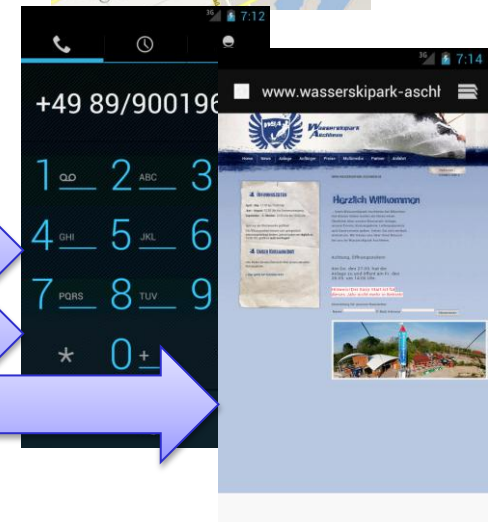
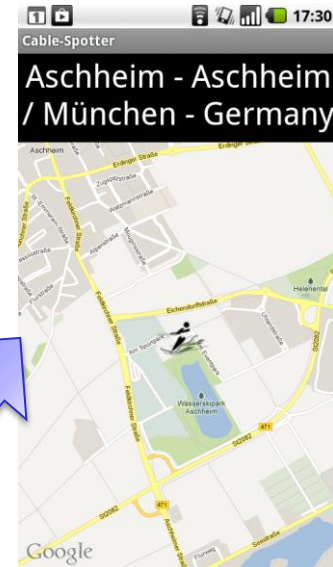
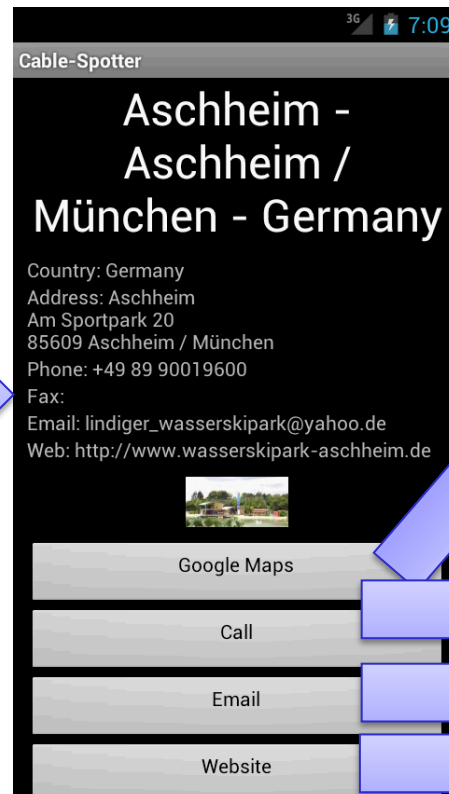
- Lokal Database for all Waterski-Parks in the World



- Database is sorted by countries and displayed in ListView



- Detailed information about the spot



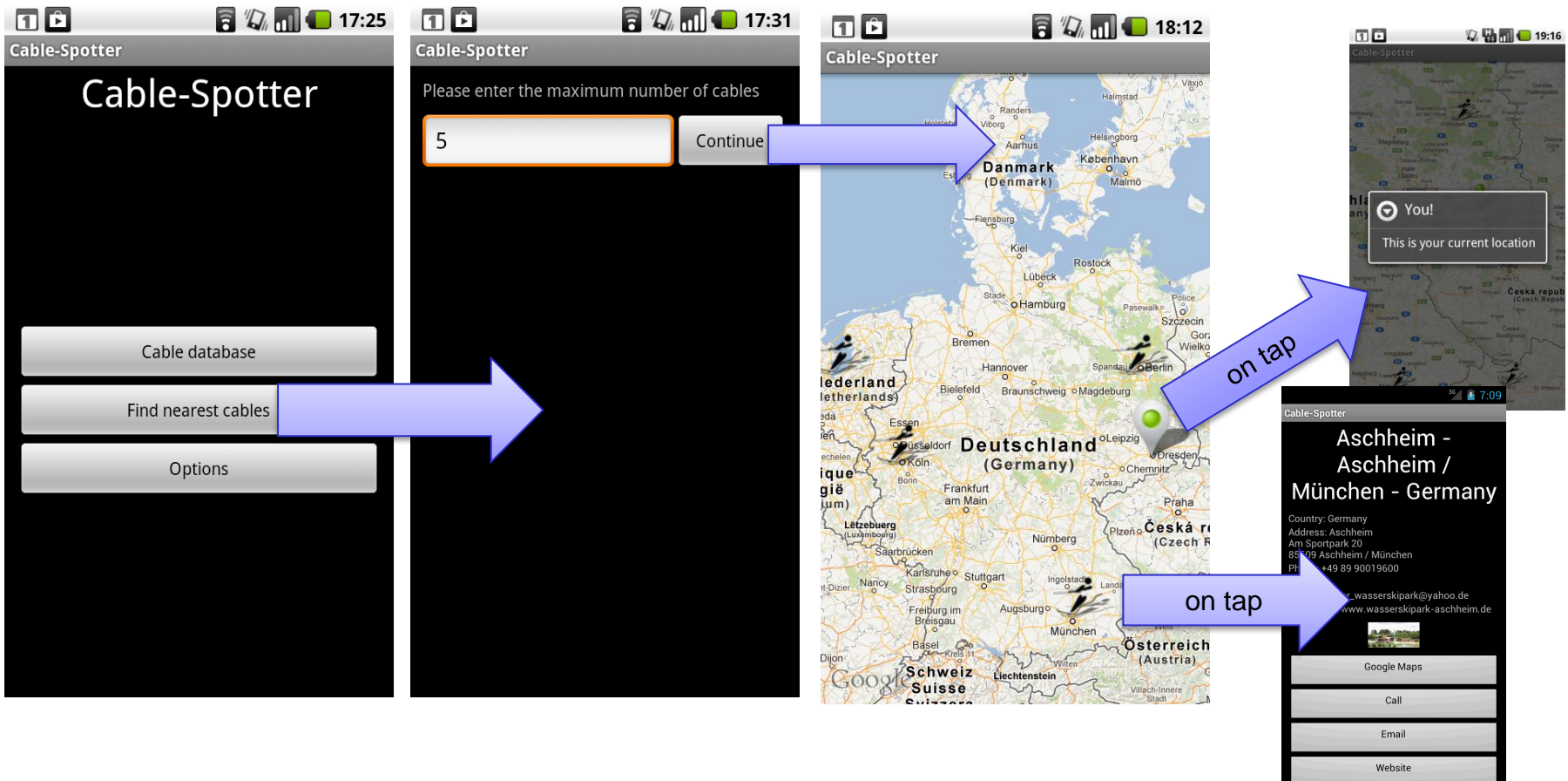
Spotlocation

Intent

Intent

Intent

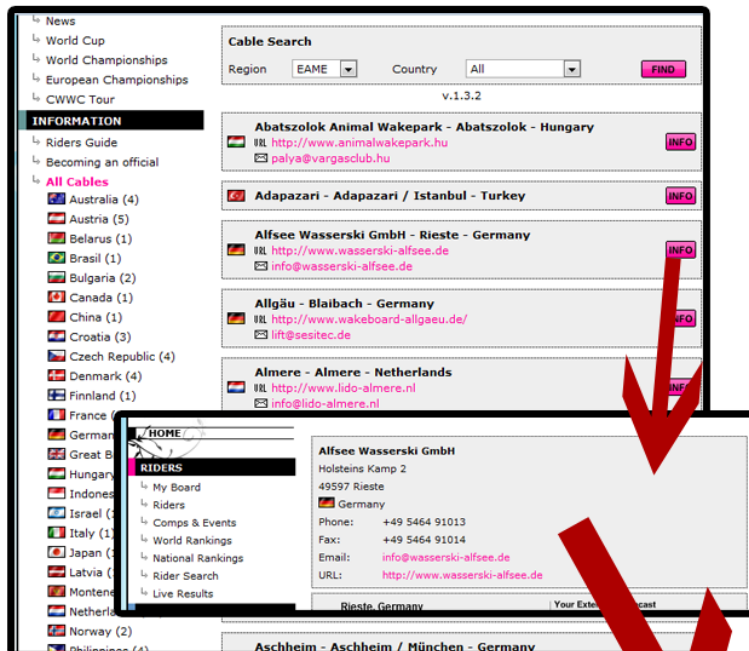
- After entering the desired number of spots, the map shows your location and the cable-locations



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



- Fetched from WebSites



Cable Search

Region: Country:

v.1.3.2

Abatzolok Animal Wakepark - Abatzolok - Hungary
 IR http://www.animalwakepark.hu
 palya@vargasclub.hu

Adapazari - Adapazari / Istanbul - Turkey

Alfsee Wasserski GmbH - Rieste - Germany
 IR http://www.wasserski-alfsee.de
 info@wasserski-alfsee.de

Allgäu - Blaibach - Germany
 IR http://www.wakeboard-allgaeu.de/
 lift@sesitec.de

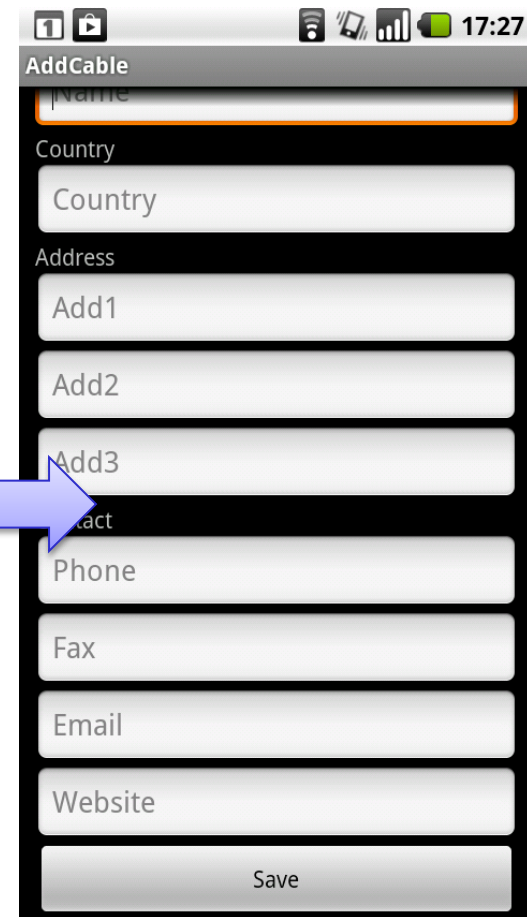
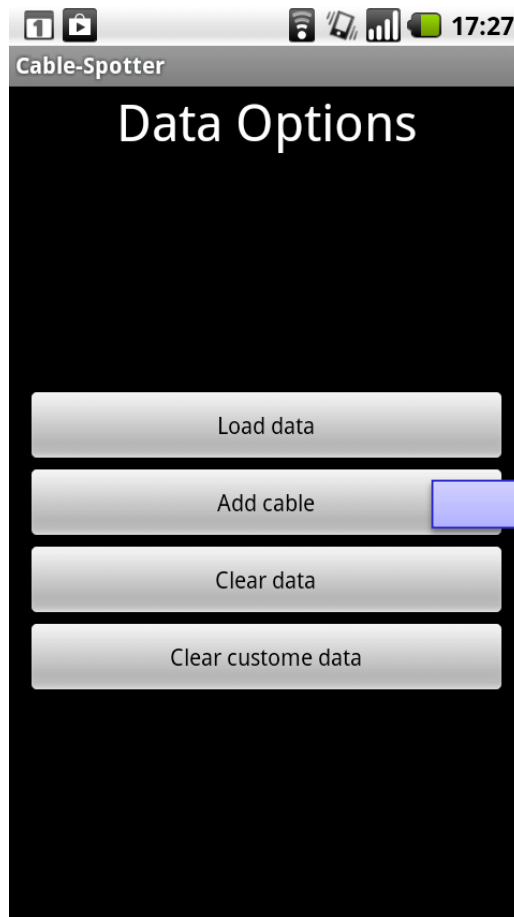
Almere - Almere - Netherlands
 IR http://www.lido-almere.nl
 info@lido-almere.nl

Alfsee Wasserski GmbH
 Holsteins Kamp 2
 49597 Rieste
 Germany
 Phone: +49 5464 91013
 Fax: +49 5464 91014
 Email: info@wasserski-alfsee.de
 URL: http://www.wasserski-alfsee.de

Europa		
Nordamerika		
Südamerika		
Asien		
Afrika		
Australien		
Germany		
Aschheim, München	phone 0049 89-900 196 00 ➔ www.wasserskipark-aschheim.de	
Bad Arolsen, Kassel	phone 0049 5691-62 96 36 ➔ www.wasserski-twistsee.de	
Inselsee Allgäu, Blaichach	0049 8323 / 96 89 98 ➔ www.inselsee-allgaeu.de	
Damp, Ostsee	Wasserskiift Damp phone 0049 4352-94 87 54 ➔ www.wasserski-damp.de	
Dresden	phone 0049 174-8 48 50 37 ➔ www.wasserski-dresden.de	
Duisburg-Rheinhausen	phone 0049 02151-40 37 47 ➔ www.wasserskiift-toeppersee.de	
Duisburg-Wedau	phone 0049 203-72 64 57 ➔ www.strandbad-wedau.de	
Eilenburg, Leipzig	phone 0049 3423-60 95 78 ➔ www.wassercenter.de	

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

- Manually by userinput (new feature)



- Usability
 - Intuitive interface
 - simple menu-navigation
 - yes-no-prompts
 - user will be forwarded to networkoptions etc
 - Informative UI
 - Progressbar on long term data collection
 - 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