



Application Development for Mobile and Ubiquitous Computing

Seminar Task First Presentation

GroupNo. 18

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SPOTED

An application for tagging and finding locations for board-, bike- and Extremsport

Mobile Client

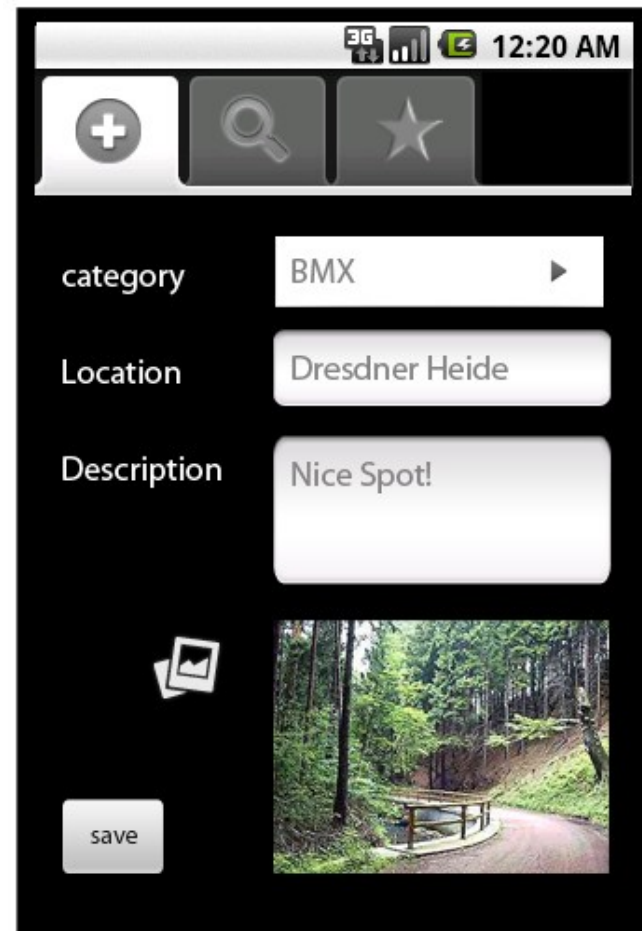
- Sportsman can store, describe and share founded spots for their specific sport
- The application determines the location coordinates with GPS
- The spot information can be uploaded (location, description, sportgenre and optional photos)
- The sportsman is able to determine nearby spots
- The spots will be shown on Google Maps or as list
- He can store them as favourites, add comments and rate them

Web Interface

- Spot search interface with Google maps
- User can add spots like in the mobile client
- However, there will be no personal list of favourites

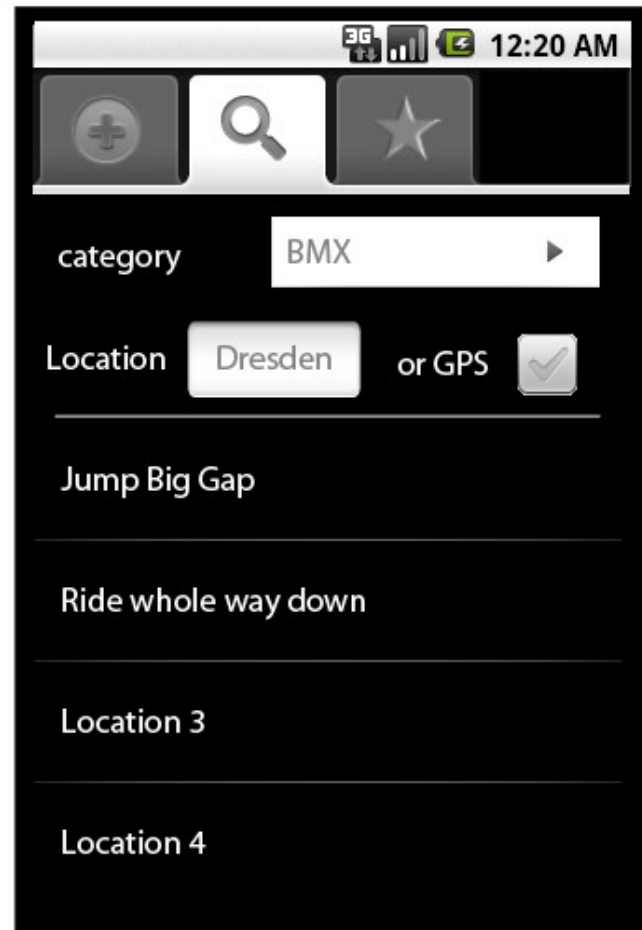
Add spot

- Choose category
- Assign title and description (optional photos)
- Store (optional share)



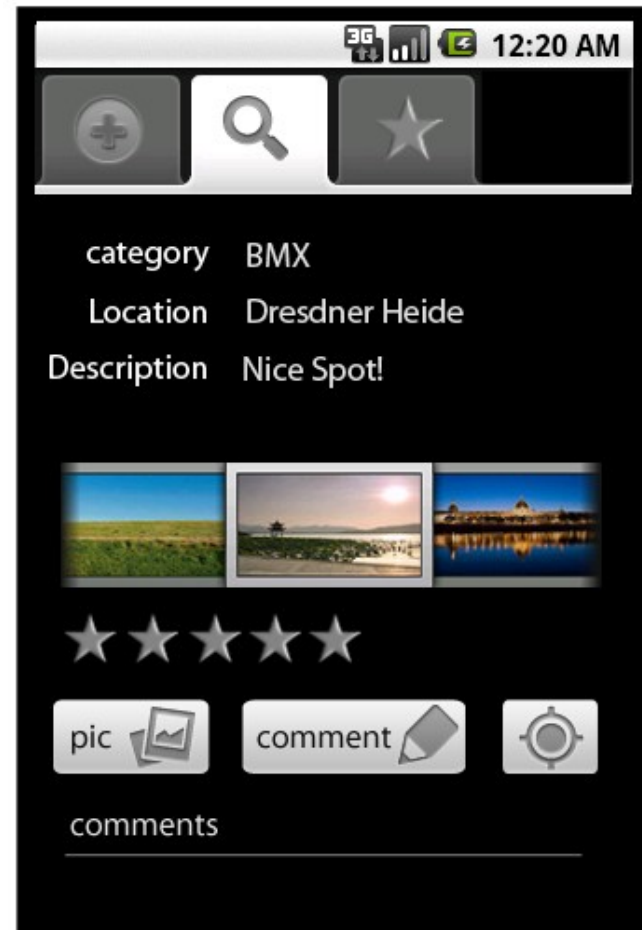
Search spot

- Select category
- Type in a city or start search direct based on your location
- Result will be a list or an alternative Google maps View



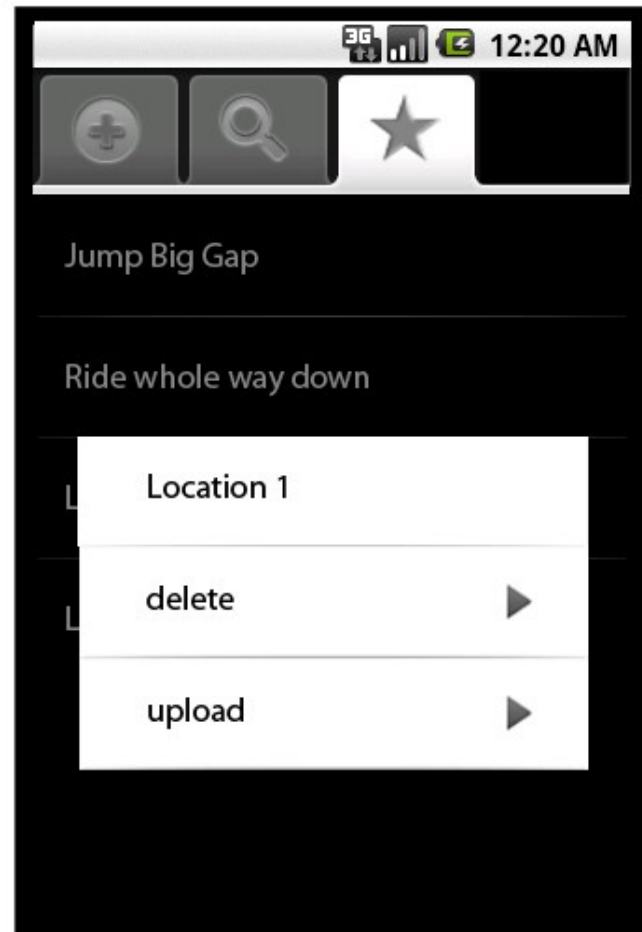
Detail view

- Shows all information about spot
- Possibility to add photos, comments, rating
- Integration of Google maps for GPS Navigation



List of favourites

- All items here are stored on device
- Possibility to edit and share



Bandwidth-Limitation

- The search provides only basic facts. Not until the detail-view is shown, all informations will be loaded
- Pictures will be scaled down, before the user uploads them.
- Visited Items are loaded from cache

Screen Restriction

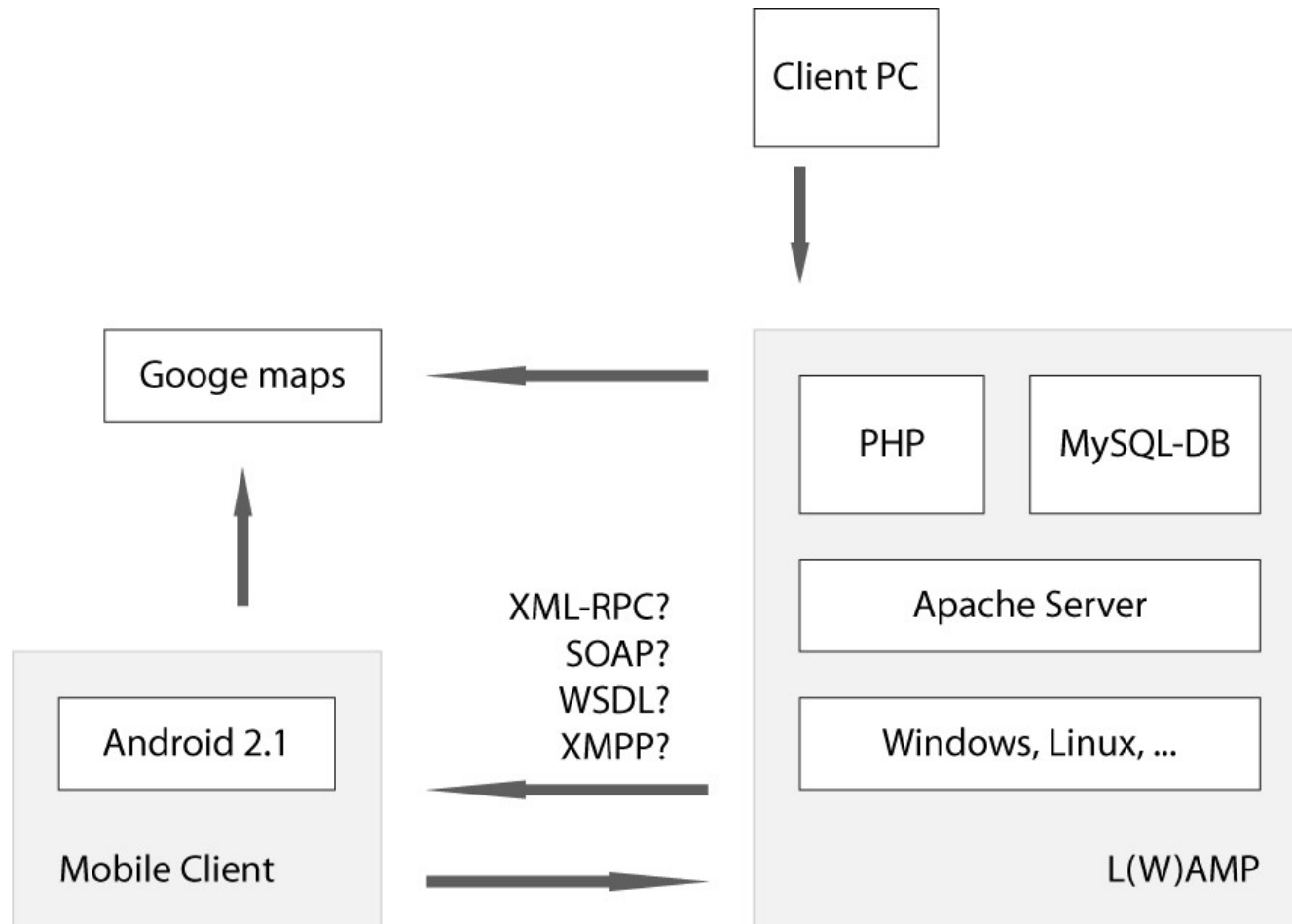
- Image-Scaling according to display

Usability

- Using default Android views
- Integrating common functionality like Google maps

Functions for right Time and Place

- Time-independent upload (local storing). Alternative for GPS-localization



Understanding technologies

- Transfer of pictures
- Defining of interfaces

Possible extensions

- Achievement-System
- Integration of GPX-datas (waypoints, tracks, and routes)