



Application Development for Mobile and Ubiquitous Computing

Mobile event planer: Frizz First Presentation

Group No: 3

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- Mobile event planer for the magazine Frizz
- Get an overview about the next events in your city:
 - What can I do this evening?
 - What great events just happen now near my current location?
- Users should get a fast and simple to use event planner with the latest information in their pocket

■ Bringing this...



FRIZZ Das Magazin für Dresden

Jonathan Jeremiah
17.03.12 20 Uhr Alter Schlachthof Dresden

Donnerstag, 17. November 2011

Termine

- Ausstellung
- Bühne
- Fest
- Kids
- Kino
- Musik
- Nightlife
- Sonstiges
- Sport
- Vortrag & Lesung

November - 2011

So	Mo	Di	Mi	Do	Fr	Sa
		01	02	03	04	05
06	07	08	09	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

E-PAPER
Bitte aufs Cover klicken!

News aus Dresden

Milka Weihnachtsweil
Markt auf dem Leipziger
Augustusplatz Am 1.
Adventswochentende will Milka auch
in diesem Jahr mi...

Herkuleskeule
Sternplatz 1
01067 Dresden
mehr info

Frizz auf Facebook
Frizz Das Magazin Dresden
facebook

... to that:



Detailsansicht einer
Veranstaltung

Veranstaltungen | Kartenansicht

Veranstaltung 1

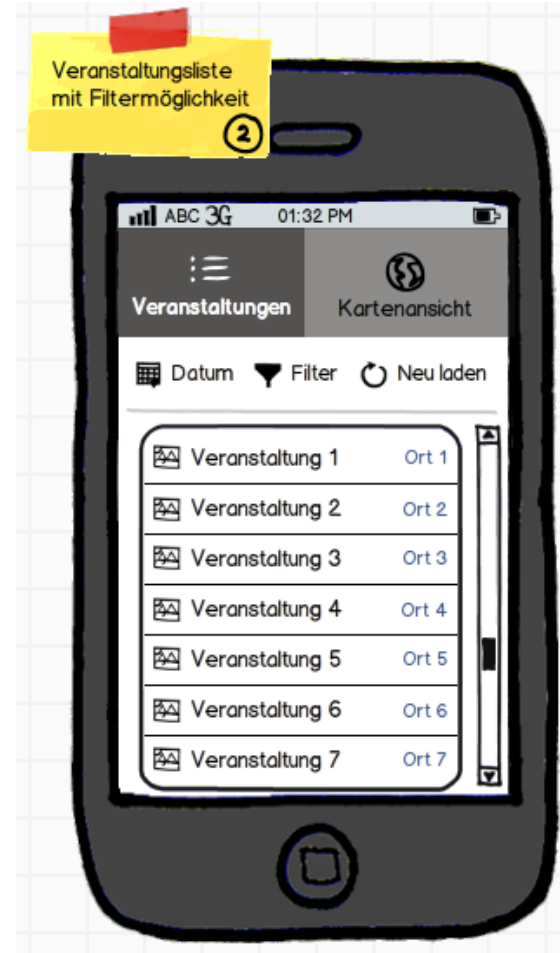
Datum: ...
Beginn: ...
Ort: ...
Beschreibung: ...

Weiterempfehlen | Merken

- Choose a city where events information is available



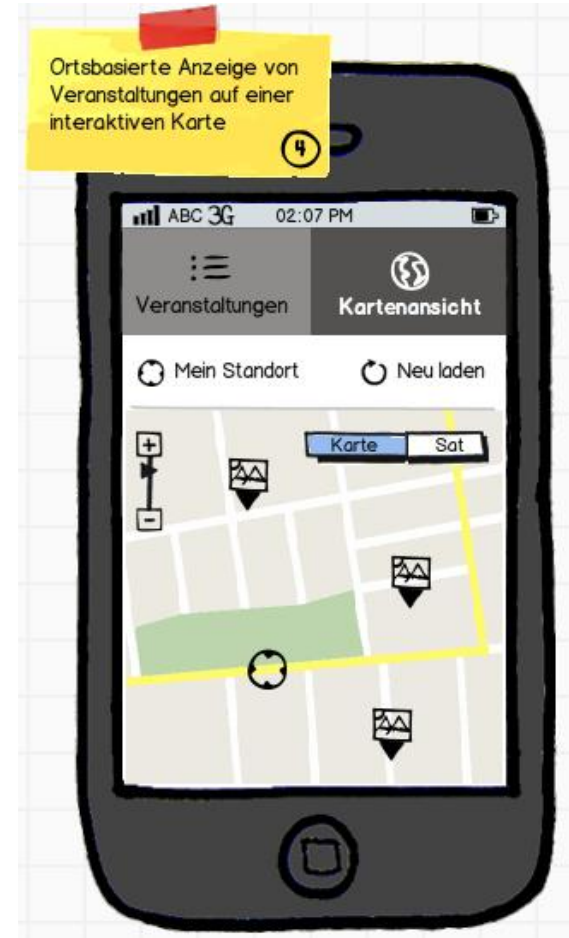
- Get a list with events
- Filter the list:
 - Events with different categories
 - Time and date

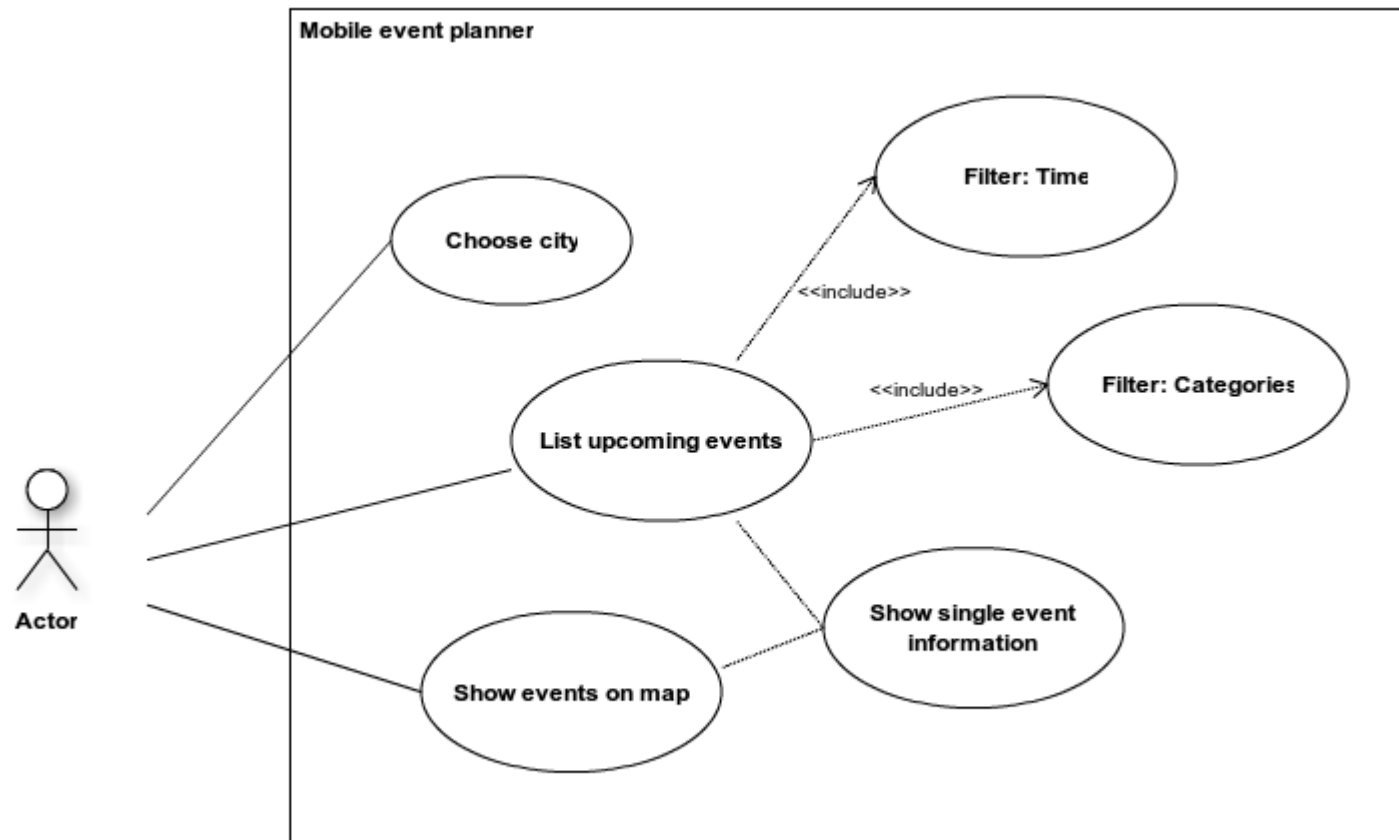


- Get detailed information about a specific event
 - Date
 - Start time
 - Location
 - Description text

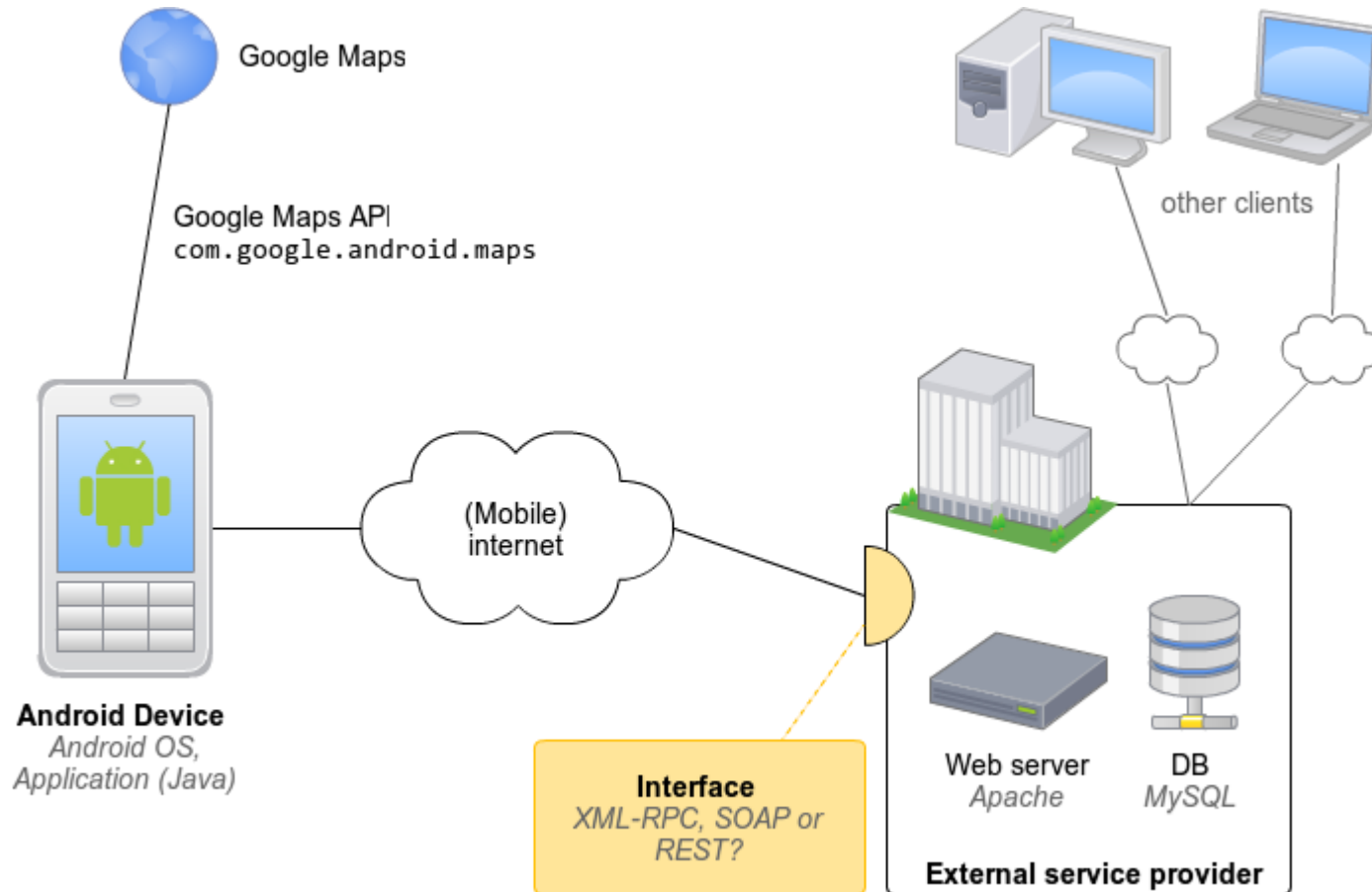


- Show all available events from your event list on a Google Map together with your current location
- Click on an event to get more information about it.





- Android Platform 2.0+ (API Level 5+)
- Android App Development using MVC pattern:
 - *Model*: Defined by resource files
 - *View*: User interface, defined by XML files
 - *Controller*: Extensions of “activities” (ListActivity, TabActivity, ...)
- Client/server architecture:
 - Android client shows GUI, enables interaction
 - External server (“black box” so far) provides booking logic, user management, database



▪ **Limited bandwidth**

- Cause as little traffic as possible
- Partition data and requests (avoid downloading all at once)
- Outsource processing to server-side (“cloud”)
- Build cache, maybe pre-fetch data

▪ **Usability**

- Use *conventional* UI elements and patterns (tab view, list view, input boxes)
- Provide *unconventional* input methods where appropriate (e. g. slide between cars, pinch-to-zoom in map view)

- **Adapt to device specifications**
 - Provide LDPI, MDPI, HDPI resources
 - Optimize portrait and landscape view

- **Benefit from smartphone features**
 - Use location-based search if possible
 - List directions and distances to nearest car stations
 - Shortcut to directly call support

- **Security**
 - Question of persistence regarding user credentials

1st task (starting now):

- Look for available interfaces and technologies
- Familiarize with the Google Android SDK
- Analyse the task in detail

2nd task (done until begin of December):

- Create a first prototype including all required UI views and layouts

3rd task (end of the term)

- Finalize the application
- Testing
- Make lots of money ;-)