



Application Development for Mobile and Ubiquitous Computing

Seminar Task

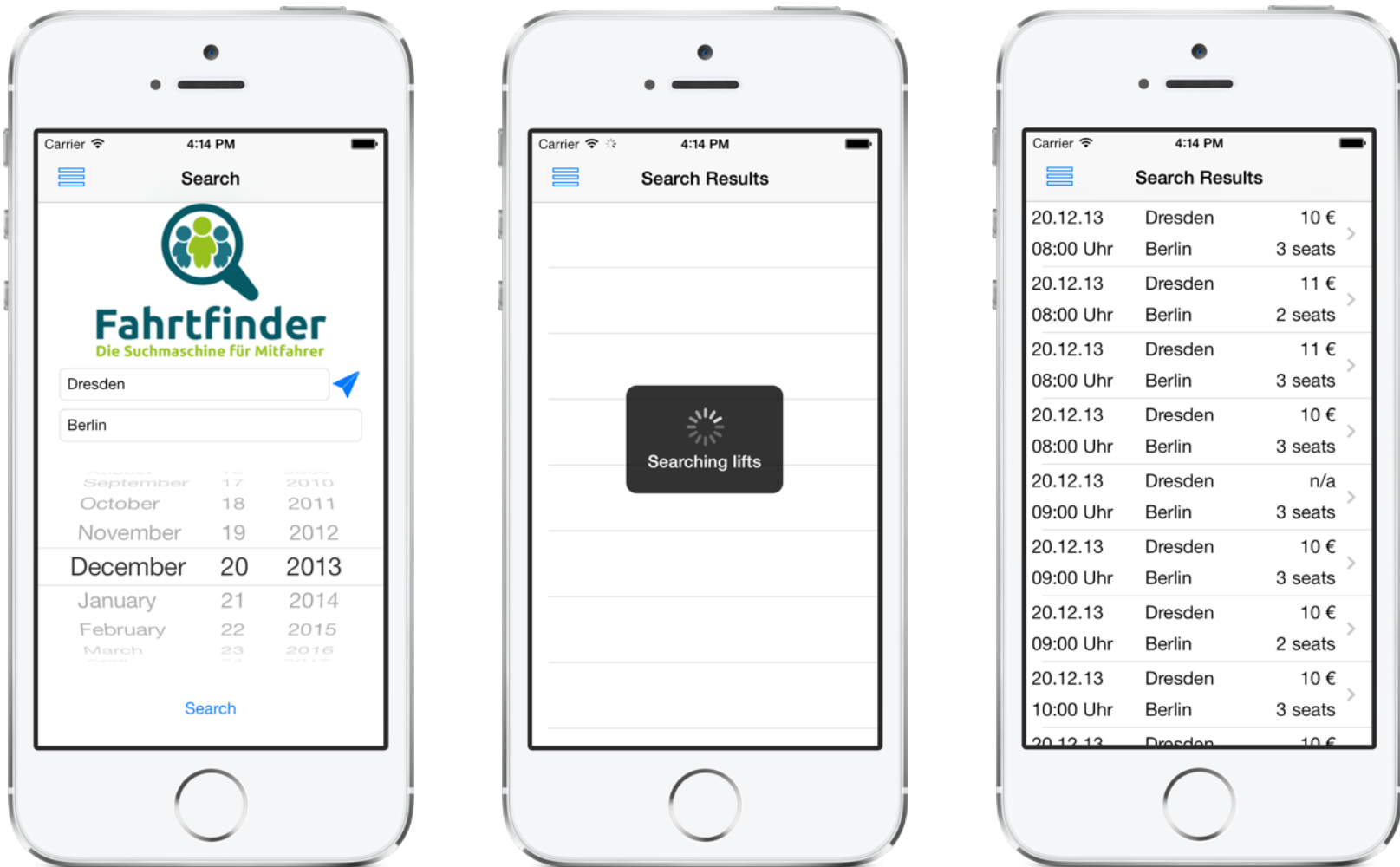
Second Presentation

GroupNo. 1

Team: Andreas Hippler, Friedemann Wulff-Woesten

- Implemented Use Cases and User Interface
- Architecture and Technologies
- Adaptation and Context
- Open Tasks

Search for lift for specific date/time and location



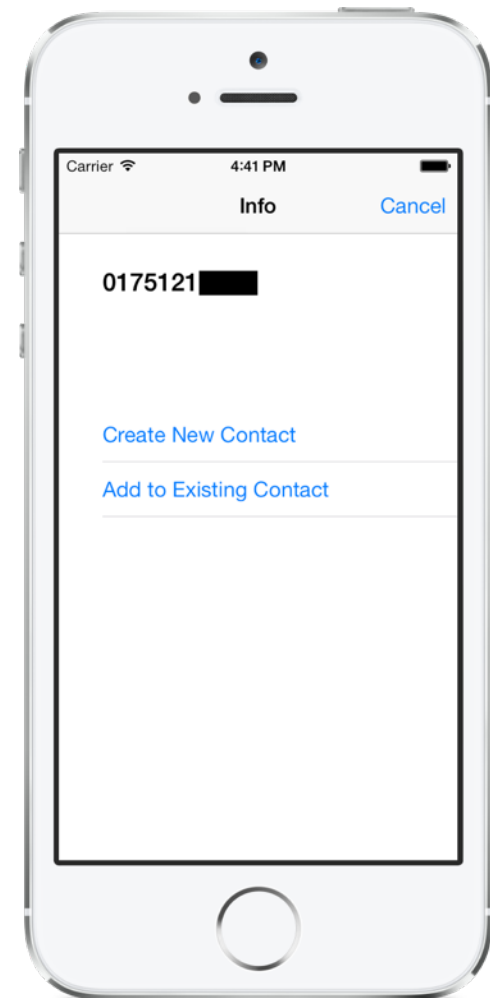
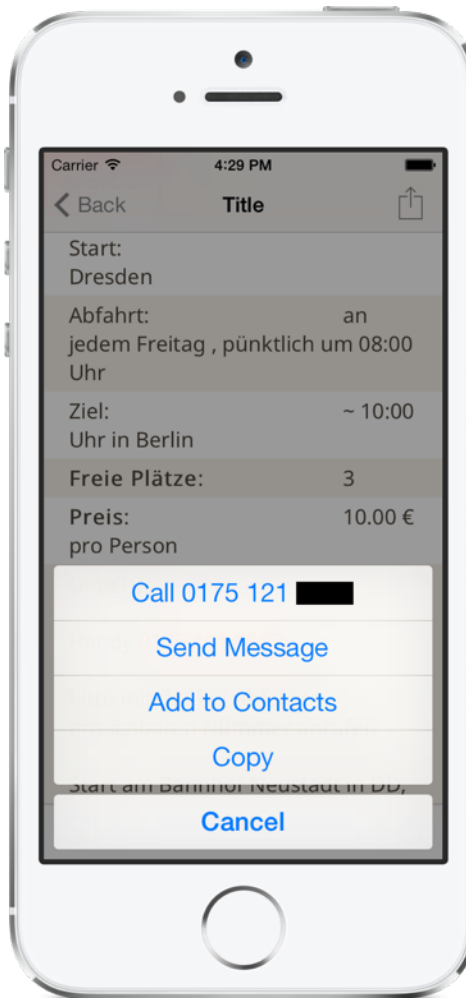
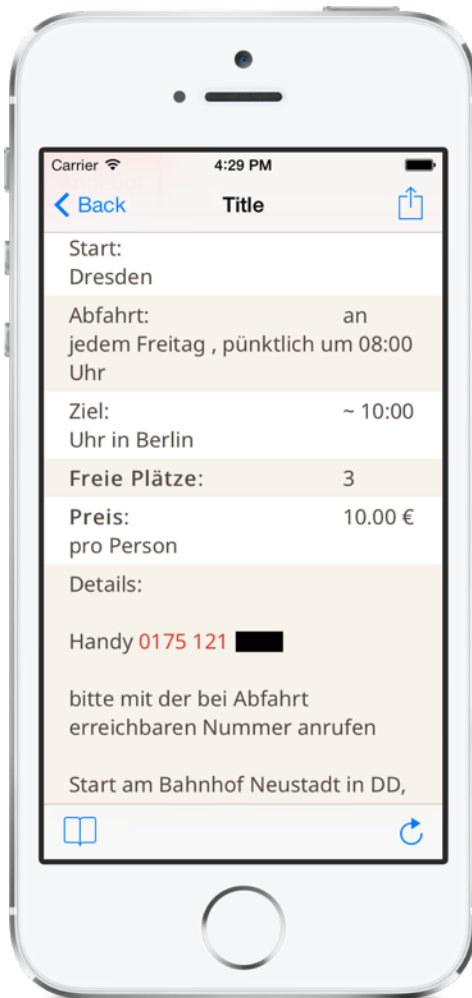
The image displays three sequential screenshots of a mobile application interface for car sharing, presented on a white smartphone. The interface is in German and shows a search result for a car from Dresden to Berlin.

Screenshot 1 (Left): The top status bar shows 'Carrier', signal strength, 4:54 PM, and battery level. The app header has a blue 'Back' button, the title 'Title', and a share icon. The main content area shows search criteria: 'Start: Dresden', 'Abfahrt: am 20.12.2013, pünktlich um 08:00 Uhr', 'Ziel: ~ 09:45 Uhr in Berlin', 'Freie Plätze: 3', and 'Preis: 11.00 € pro Person'. Below this is a 'Details:' section with a paragraph: 'Start ist am Bahnhof "Dresden Neustadt" - kleiner Parkplatz (Hansastr.) hinter dem Bahnhof. Ankunft in Berlin ca. 17.45 Uhr am Innsbrucker Platz - U- und S-Bahnanschluß.' At the bottom are a book icon and a refresh icon.

Screenshot 2 (Middle): The top status bar shows 4:54 PM. The app header is the same. The main content area shows the car's name 'Bla Bla Car' with a location pin icon, a car icon, and a user icon. Below this is the route 'Dresden → Berlin' with a calendar icon and 'Morgen', and a clock icon with '08:00 Uhr'. The price is '2 freie Plätze' and '11 € pro Person'. Below this is a 'Strecke' section with a book icon and the route 'Dresden (Dresden) → Berlin (Berlin)'. Below this is a section 'Hier klicken und Platz sichern:' with a large blue button 'Fahrer/in kontaktieren'. Below this is a 'Fahrtdetails' section with a document icon and the text 'Umweg Keine Umwege'. At the bottom are a book icon and a refresh icon.

Screenshot 3 (Right): The top status bar shows 4:55 PM. The app header is the same. The main content area shows the car's details: 'FAHRZEUGSCHAFT.DE • SUCHE FAHRT • SUCHERGEBNISSE • DETAILS ZUR MITFAHRELEGENHEIT'. Below this is the route 'Dresden nach Berlin (Regelmäßig - 08:00)'. Below this is a 'DETAILS' section with a 'Regelmäßig' button and the text 'Start ist am Bahnhof Neustadt', '08:00 Uhr', 'Zur der Ortsbahn', '10,00 € pro Person', and '3 freie Plätze'. Below this is a 'KONTAKT ZUM FAHRER' section with a 'KONTAKT' button and the text 'Fahrer (Profil anzeigen) (alle Fahrten anzeigen)', 'E-Mail-Adresse', 'Handy', 'Kontaktdaten', and 'Kontaktdaten'. Below this is a 'WISSENSBAUCH WELLEN' section with a 'Auswahl treffen' button and a 'Spezialkoffer' button. At the bottom are a book icon and a refresh icon.

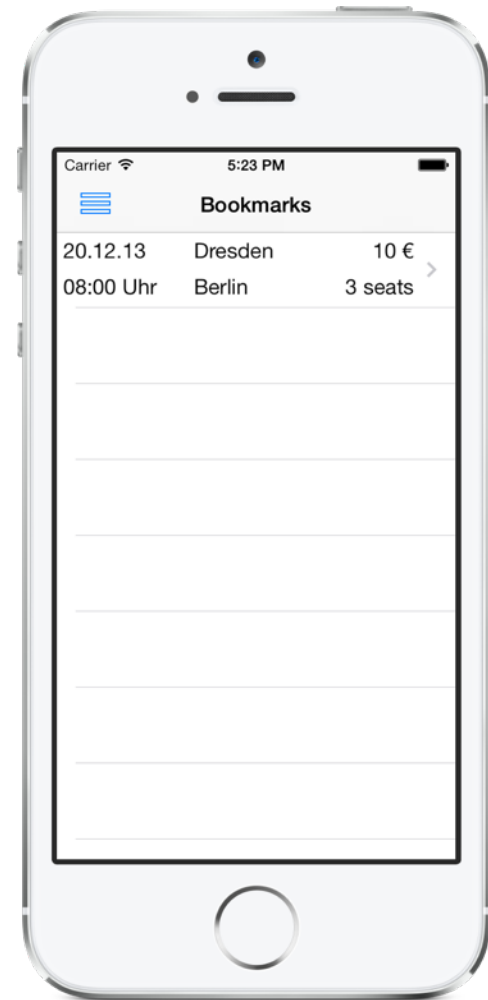
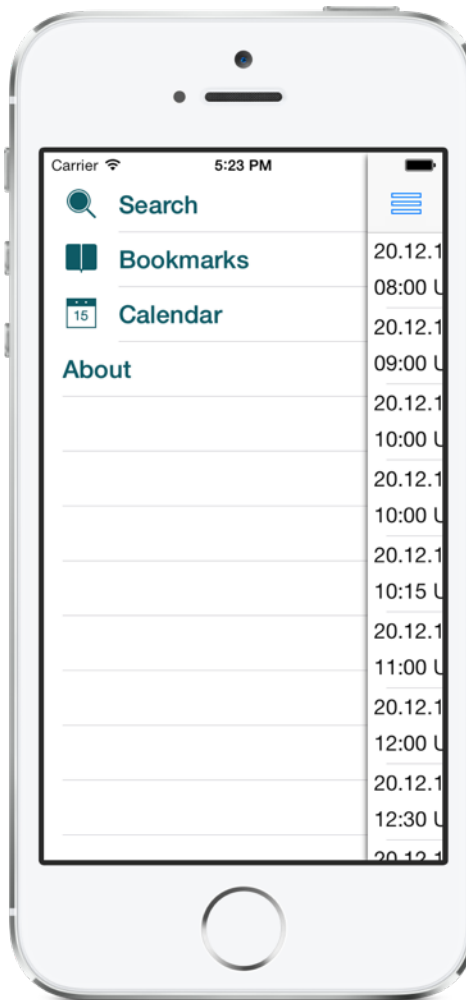
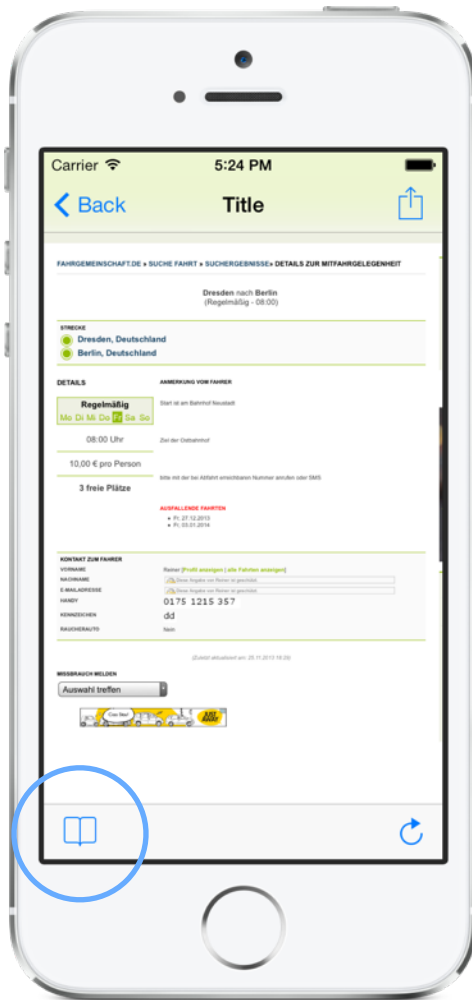
Contact driver (SMS, email, telephone)

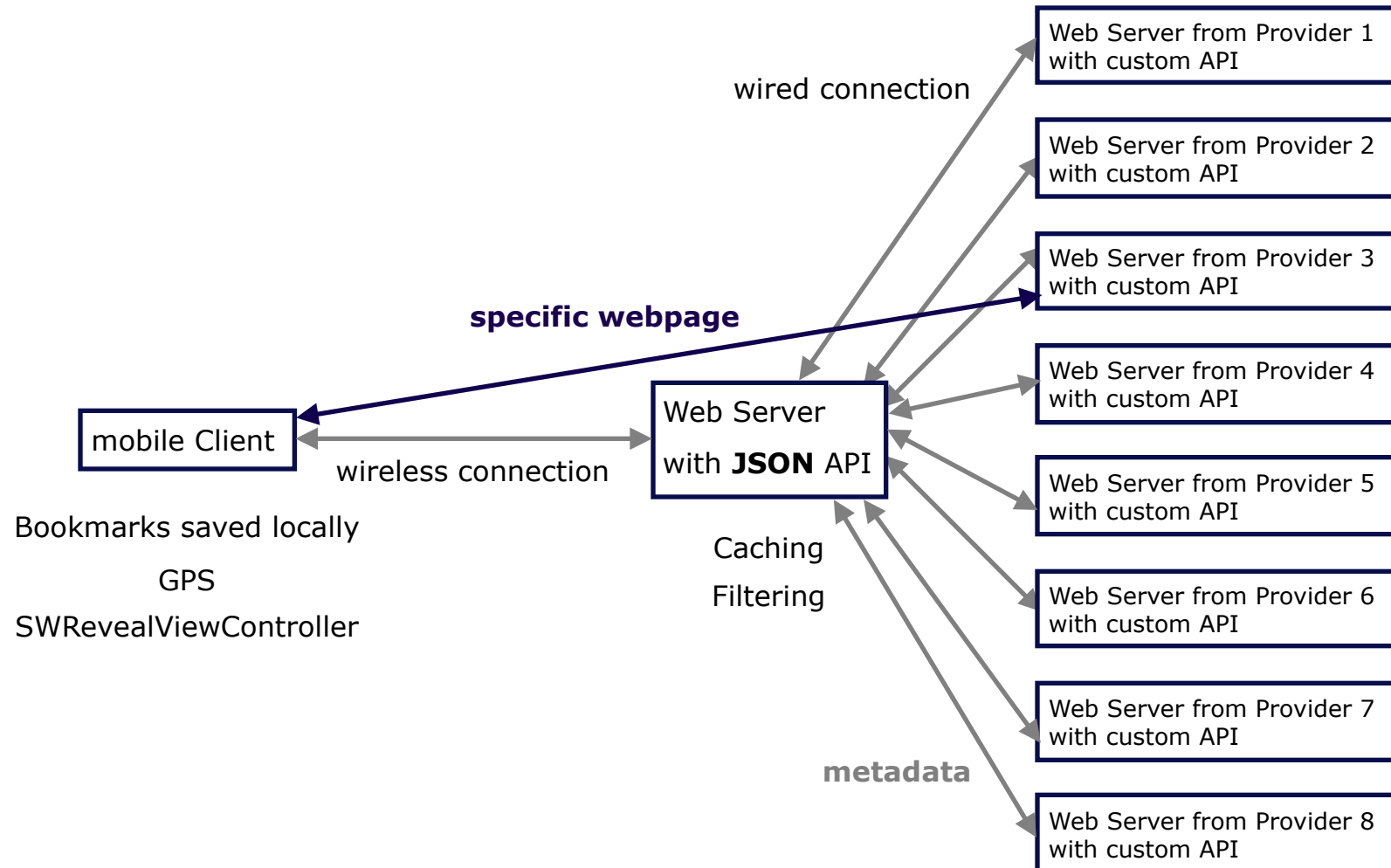


View last queries



Add lift to bookmarks





- Challenges:
 - Find out whether user is using Wifi or Cellular
 - Offline functionality
- *Caching* on API host
(connected to wired network in hosting center),
reduces load on cellular network
- API *filters* and sends only lifts that are requested by user
(*Reduction*)
- *Prefetching* of webpages when using Wifi connection
- GPS *location* can be used in order to set „from“ field
- Bookmarks (metadata and webpage) saved directly on device

- Unimplemented Use Cases
 - Add lift to calendar
 - Share lift with friends
- Testing on real devices
Autolayout on iPhone 4S / 5
- 31.01.2014: Final presentation
- 31.01.2014: Launch in the App Store