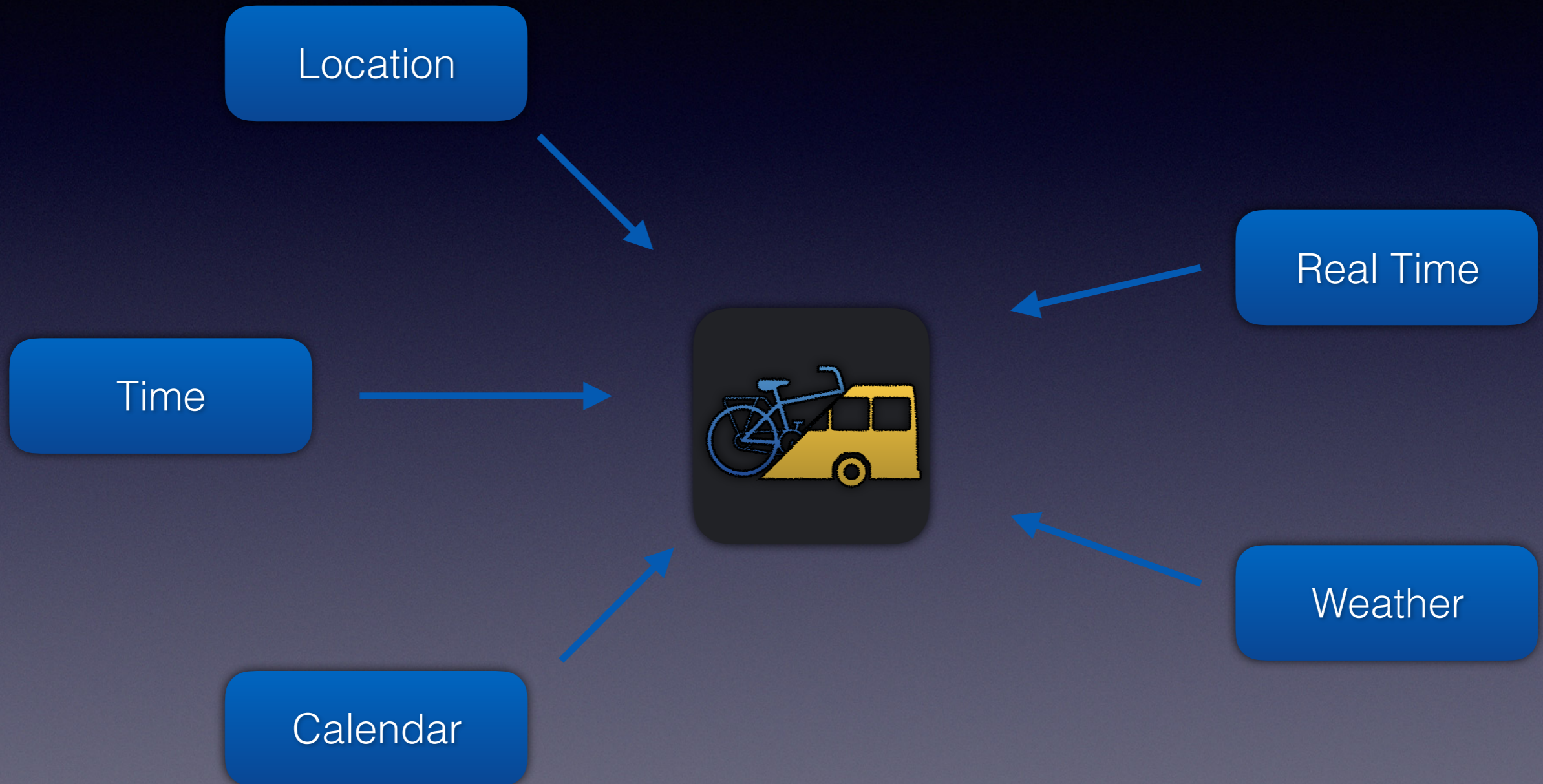


Smart Ride

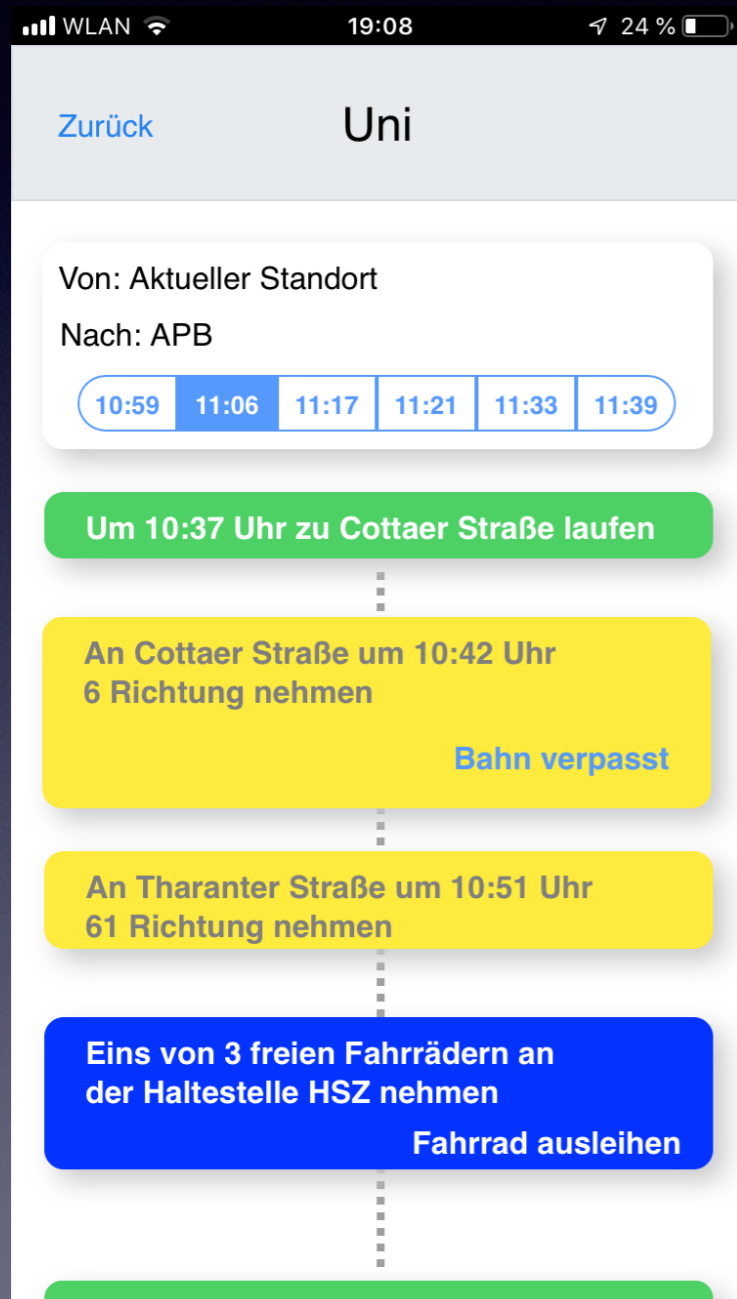
Group 11 - Second Seminar Presentation
Dennis Dimov, Dominik Riegger



Adaptation Features



Usability



- highest priority is usability
- user doesn't have to switch apps between Nextbike and DVB
- user gets delays right inside the route view

Next Location Prediction

The screenshot shows a mobile application interface titled "Verbindungen". At the top, there is a status bar with "WLAN", "22:44", and "100 %". Below the title, there are two input fields: "Start:" and "Ziel:", both containing the placeholder text "Enter text here". Below these fields, there are three prediction cards. The first card is titled "Pfitzmann Bau (17:35)" and lists two options: "16:54 2,85 Cottaer Straße in 41 min" and "16:55 2,12,63,85 Cottaer Straße in 40 min", with "Fahrräder: 0". The second card is titled "Haltepunkt Plauen (17:18)" and lists two options: "16:55 2,12,A (Freital),62 Cottaer Straße in 23 min" and "16:55 2,12,A (Freital), 🚶 Cottaer Straße in 25 min", with "Fahrräder: 1". The third card is titled "Nürnberger Platz (17:14)" and lists two options: "16:55 2,12,61 Cottaer Straße in 19 min" and "17:13 90,61 Cottaer Straße in 11 min".

- predict where the user wants to go next
- sort tiles automatically and only show relevant
- depending:
 - location, time, calendar
 - rank by: calendar > location > time

Location-based Prediction

WLAN 22:44 100 %

Verbindungen +

Start:

Ziel:

Pfitzmann Bau (17:35)
16:54 2,85 Cottaer Straße in 41 min
16:55 2,12,63,85 Cottaer Straße in 40 min
Fahrräder: 0

Haltepunkt Plauen (17:18)
16:55 2,12,A (Freital),62 Cottaer Straße in 23 min
16:55 2,12,A (Freital), 🚶 Cottaer Straße in 25 min
Fahrräder: 1

Nürnberger Platz (17:14)
16:55 2,12,61 Cottaer Straße in 19 min
17:13 90,61 Cottaer Straße in 11 min

- At what location is the user currently.
- Is he home and wants to go somewhere
- Is he somewhere and probably wants to go home

Time-based Prediction

The screenshot shows a mobile application interface titled "Verbindungen". At the top, there is a status bar with "WLAN", "22:44", and "100 %". Below the title, there are two input fields: "Start:" and "Ziel:", both with placeholder text "Enter text here". Below these fields, there are three connection cards. Each card has a title, a list of routes with times and distances, and a count of bicycles.

Verbindungen

Start:
Enter text here

Ziel:
Enter text here

Pfitzmann Bau (17:35)
16:54 2,85 Cottaer Straße in 41 min
16:55 2,12,63,85 Cottaer Straße in 40 min
Fahrräder: 0

Haltepunkt Plauen (17:18)
16:55 2,12,A (Freital),62 Cottaer Straße in 23 min
16:55 2,12,A (Freital), 🚶 Cottaer Straße in 25 min
Fahrräder: 1

Nürnberger Platz (17:14)
16:55 2,12,61 Cottaer Straße in 19 min
17:13 90,61 Cottaer Straße in 11 min

- For each favourite the user can set a time of day
- E.g. To university earlier in the day, to Albertplatz later in the day
- Optional: Learn when the User goes where

Calendar-based Prediction

WLAN 22:44 100 %

Verbindungen +

Start:

Ziel:

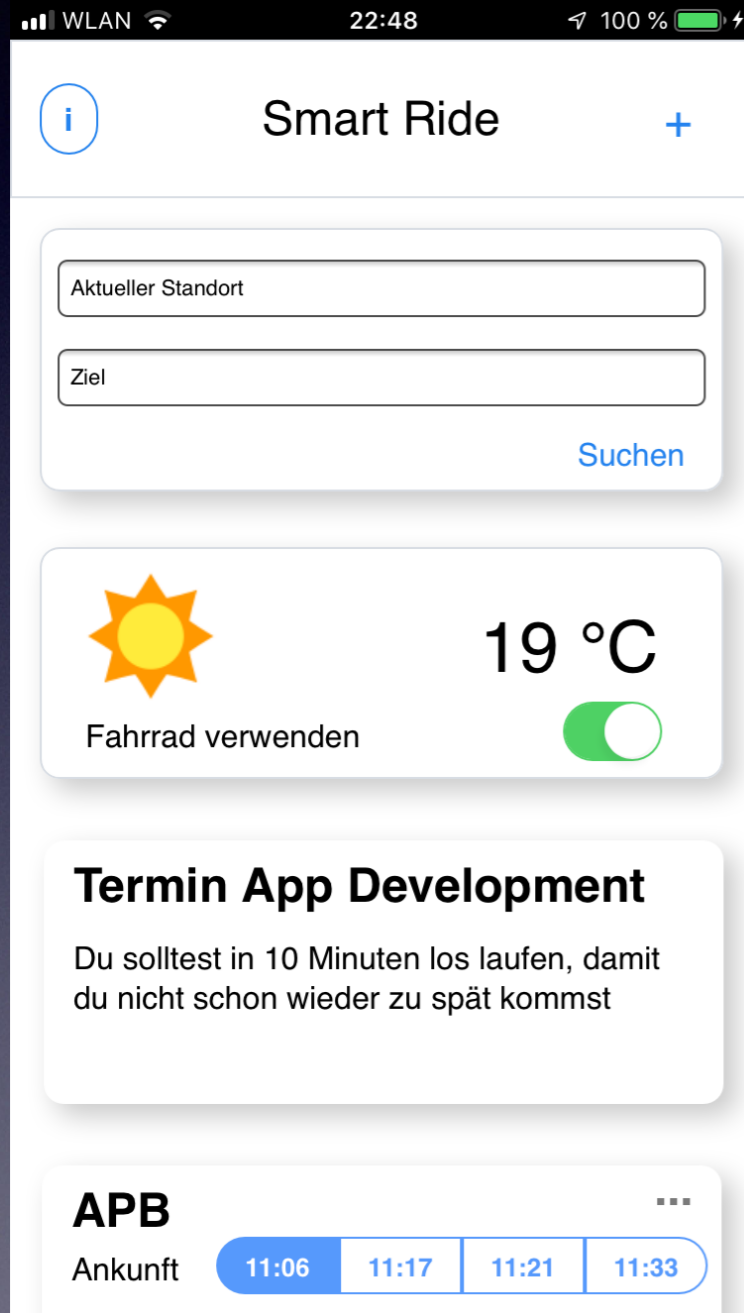
Pfitzmann Bau (17:35)
16:54 2,85 Cottaer Straße in 41 min
16:55 2,12,63,85 Cottaer Straße in 40 min
Fahrräder: 0

Haltepunkt Plauen (17:18)
16:55 2,12,A (Freital),62 Cottaer Straße in 23 min
16:55 2,12,A (Freital), 🚶 Cottaer Straße in 25 min
Fahrräder: 1

Nürnberger Platz (17:14)
16:55 2,12,61 Cottaer Straße in 19 min
17:13 90,61 Cottaer Straße in 11 min

- The user has an event with a location in his calendar
- Show him the best connection to get there on time

Good Weather Biker

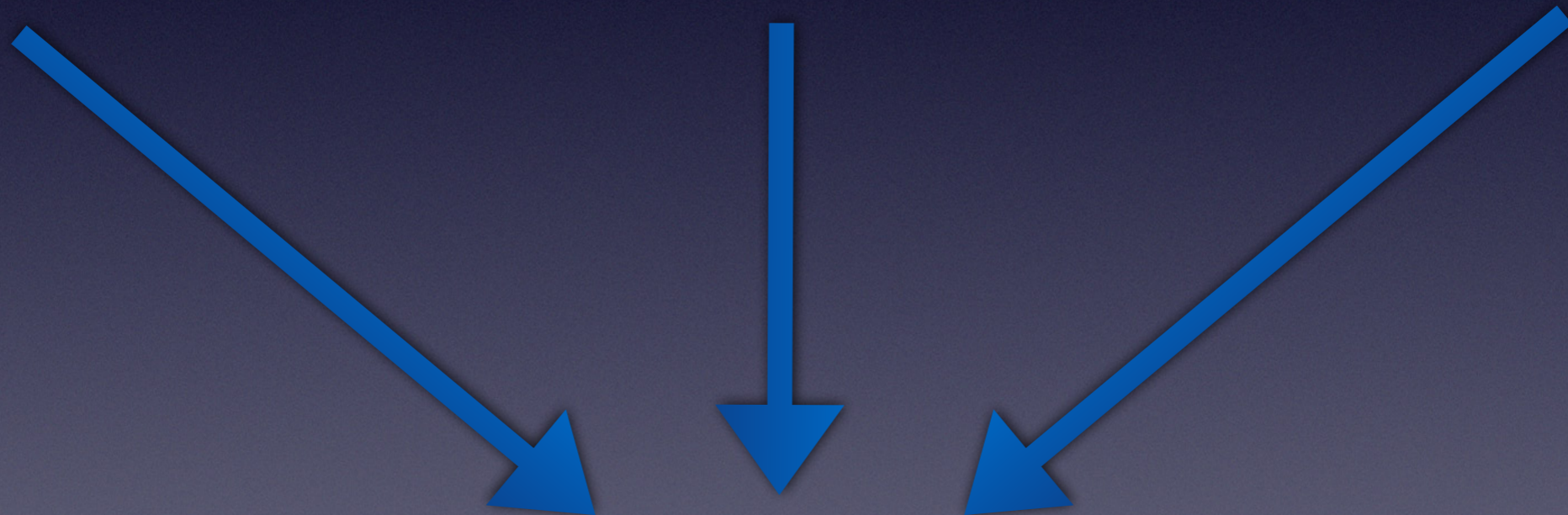


- only use bike in search, when the weather is suited
- should be optional to the user

Implementation



Architecture



Are there any questions?

Thank you for your attention!