



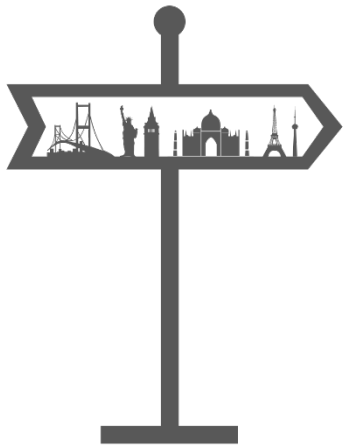
Application Development for Mobile and Ubiquitous Computing

Seminar Task

Final Presentation

GroupNo. 6

Team: Paula Schöley, Sebastian Müller

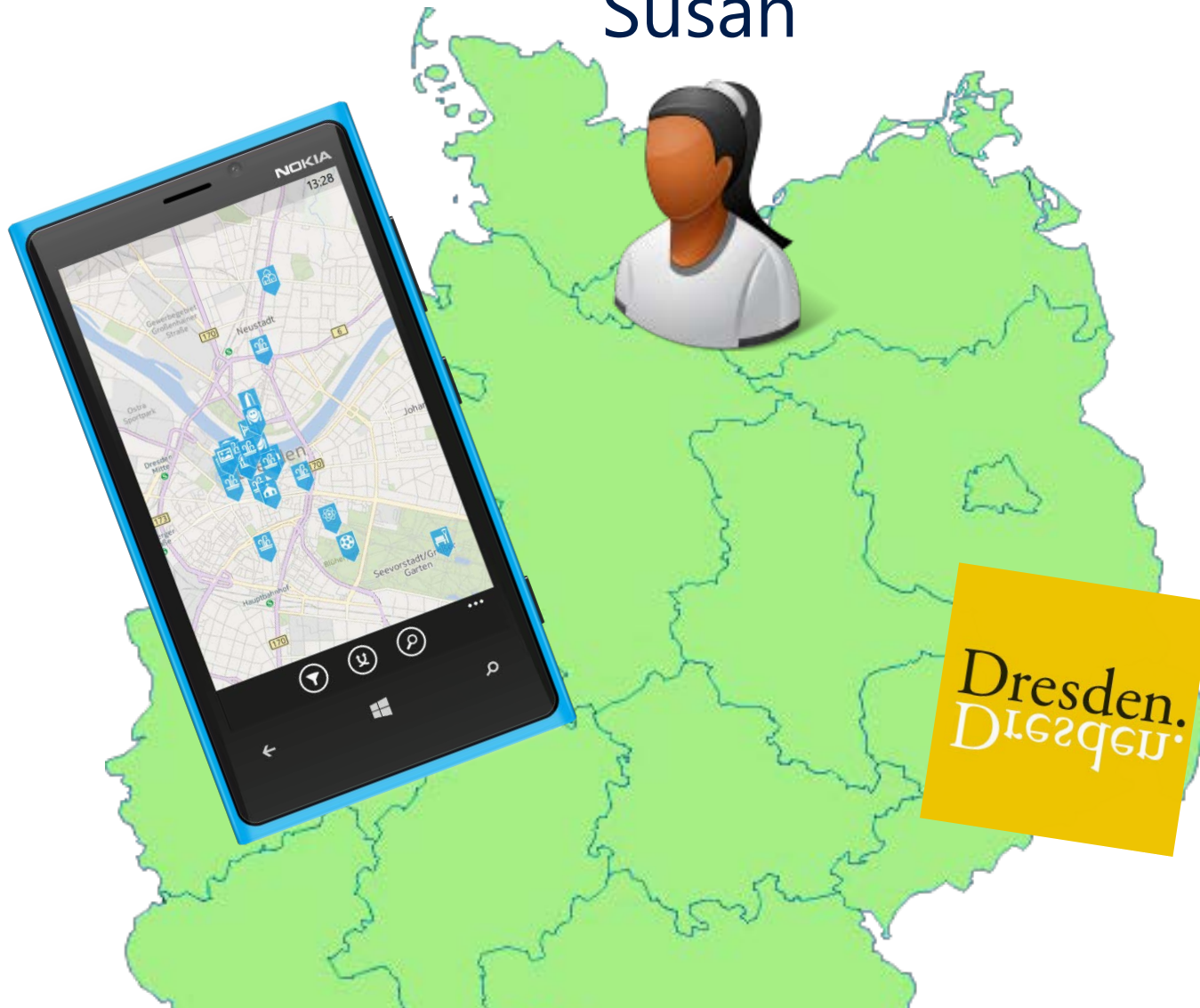


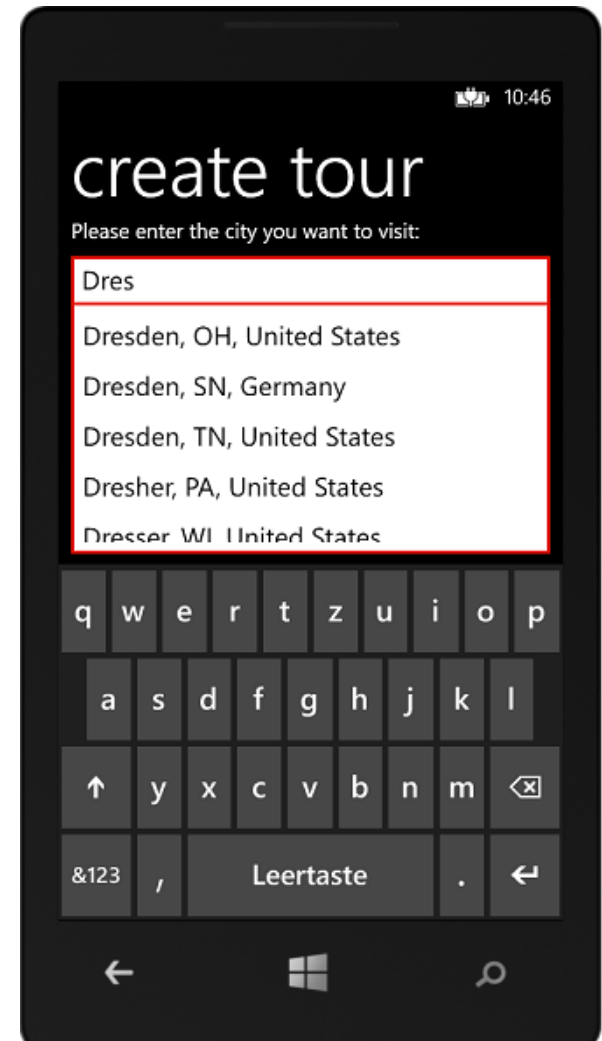
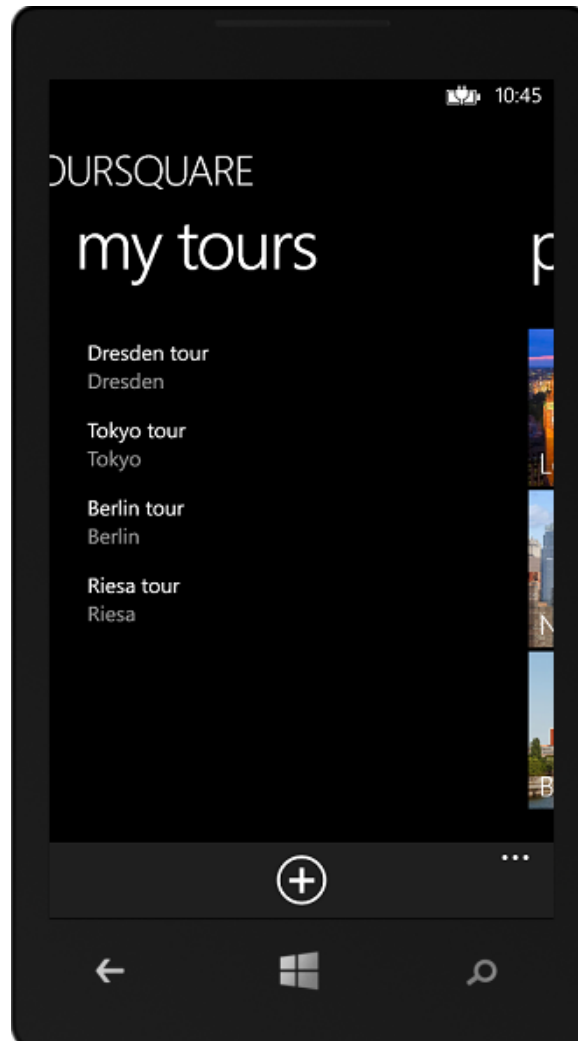
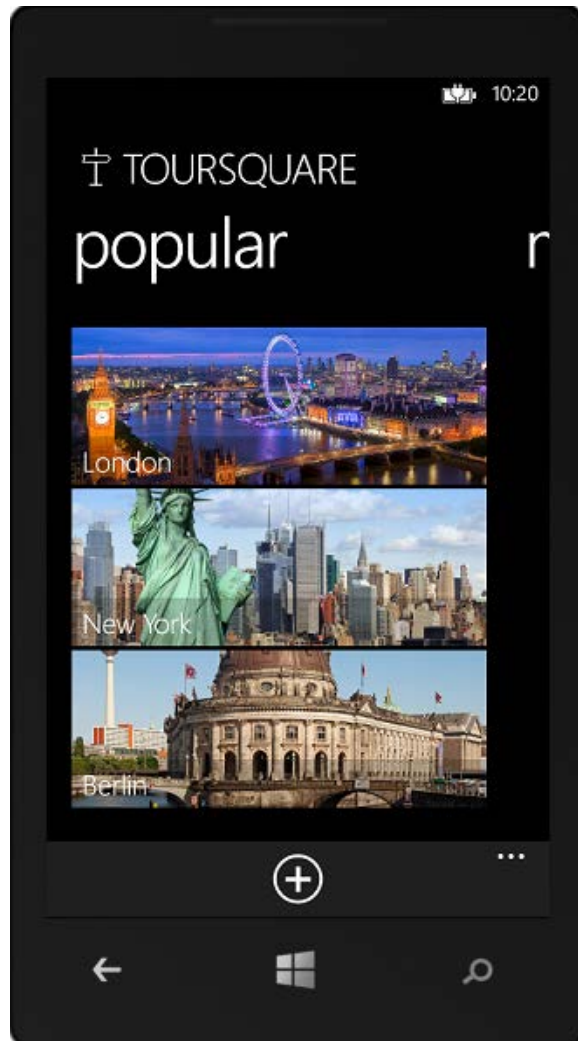
TOURSQUARE

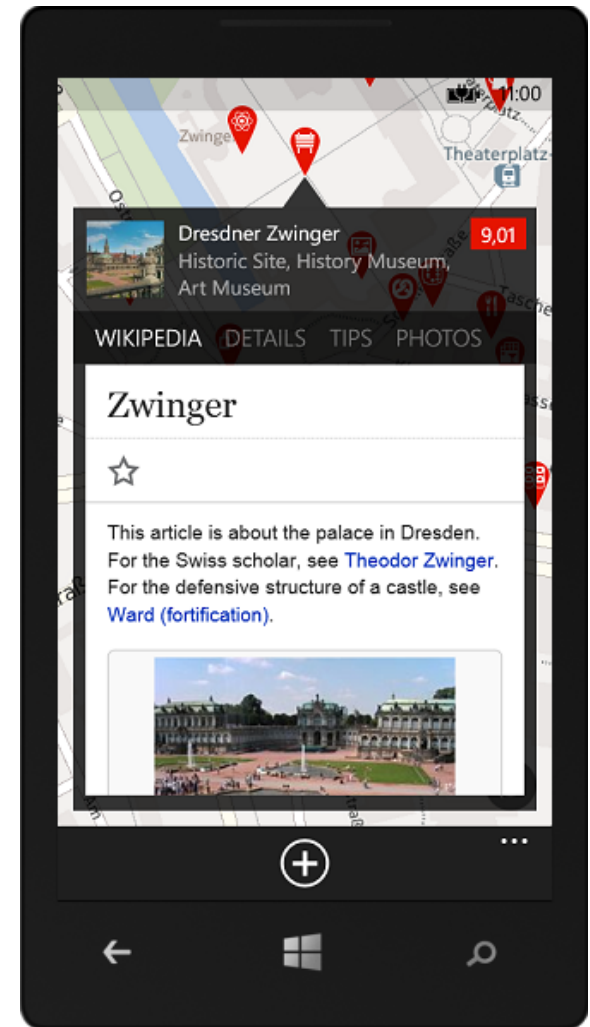
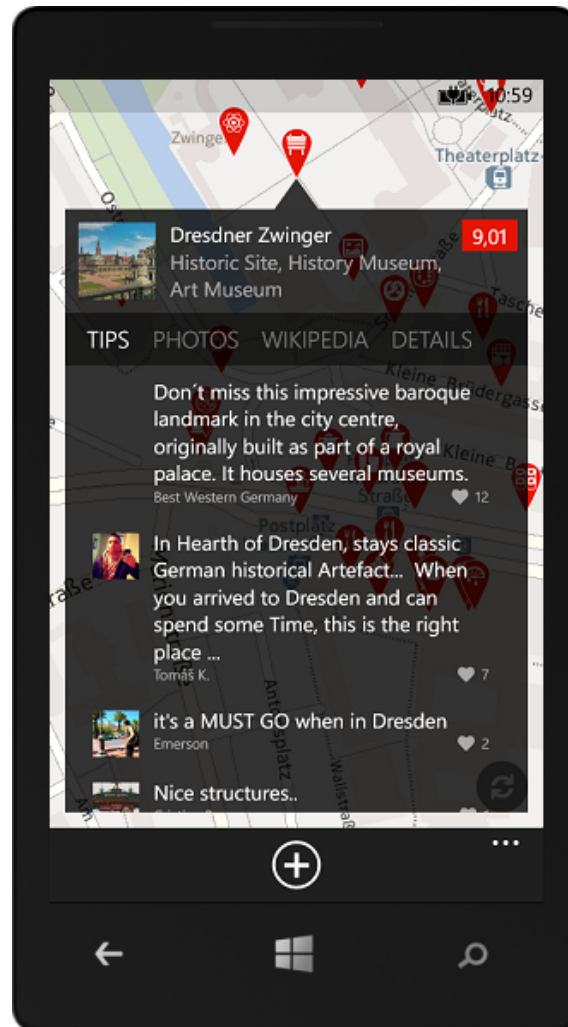
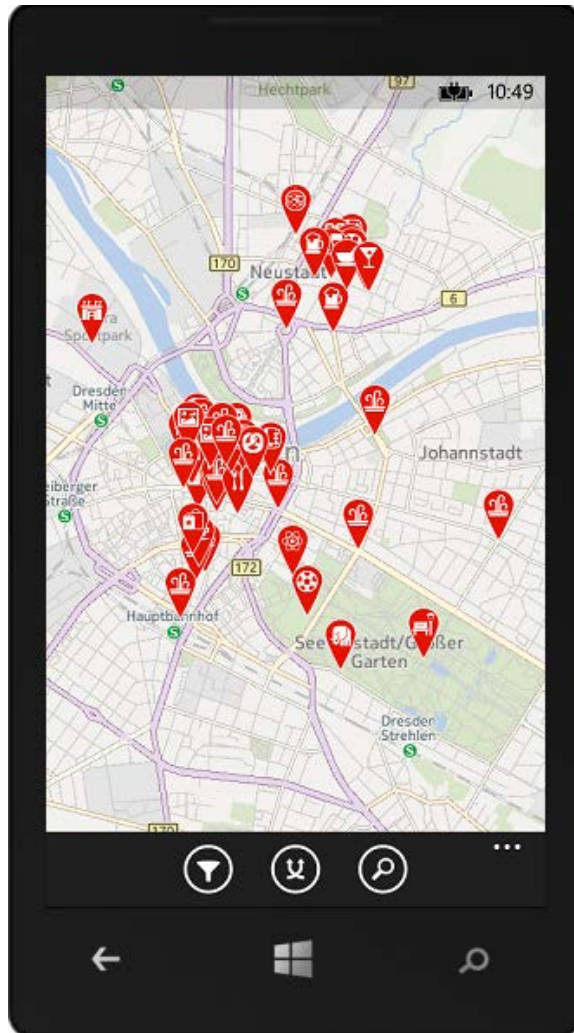
Go on tour easily!

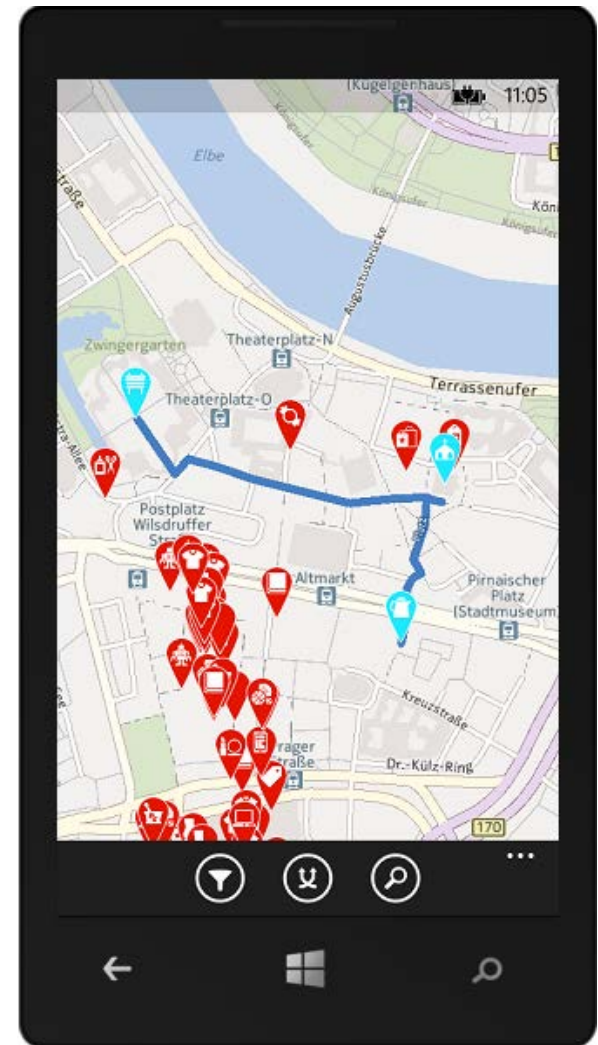
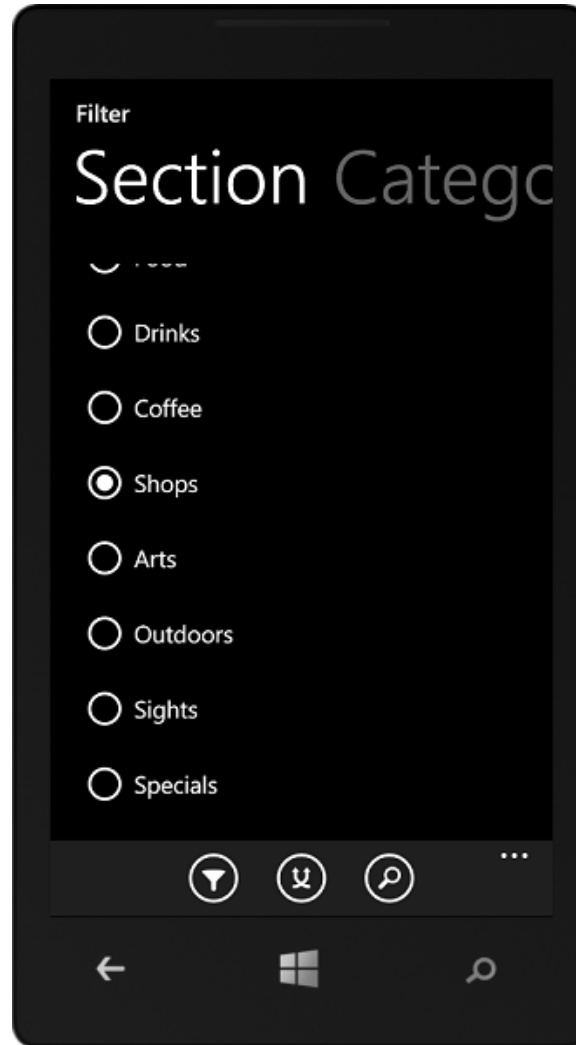
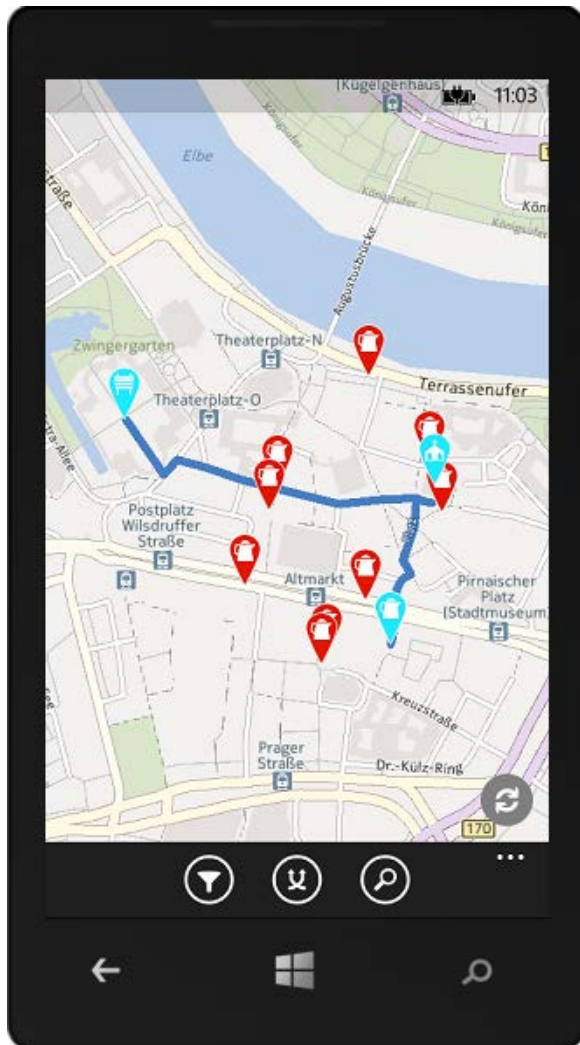


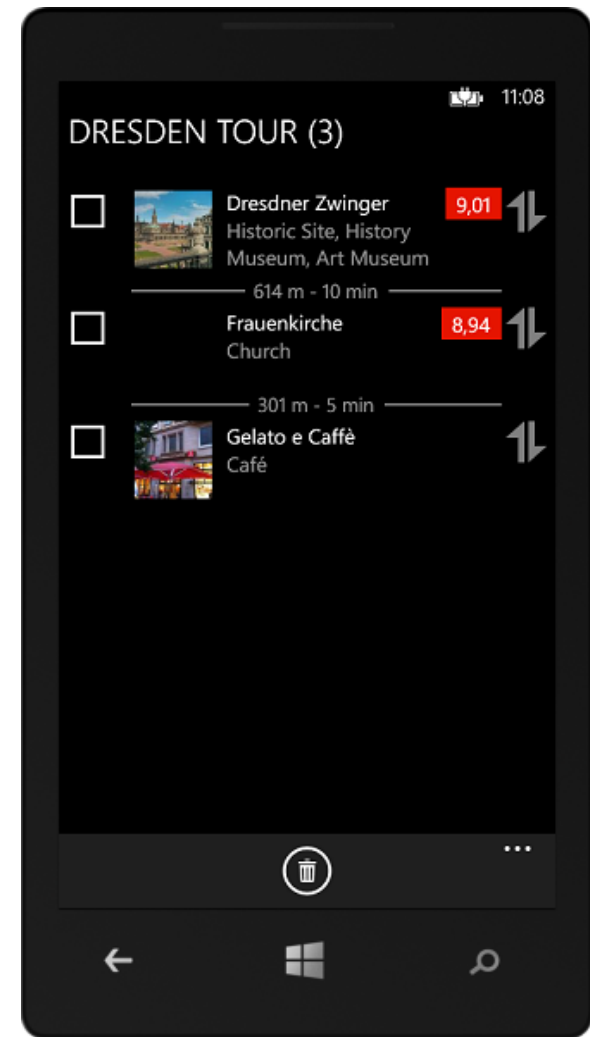
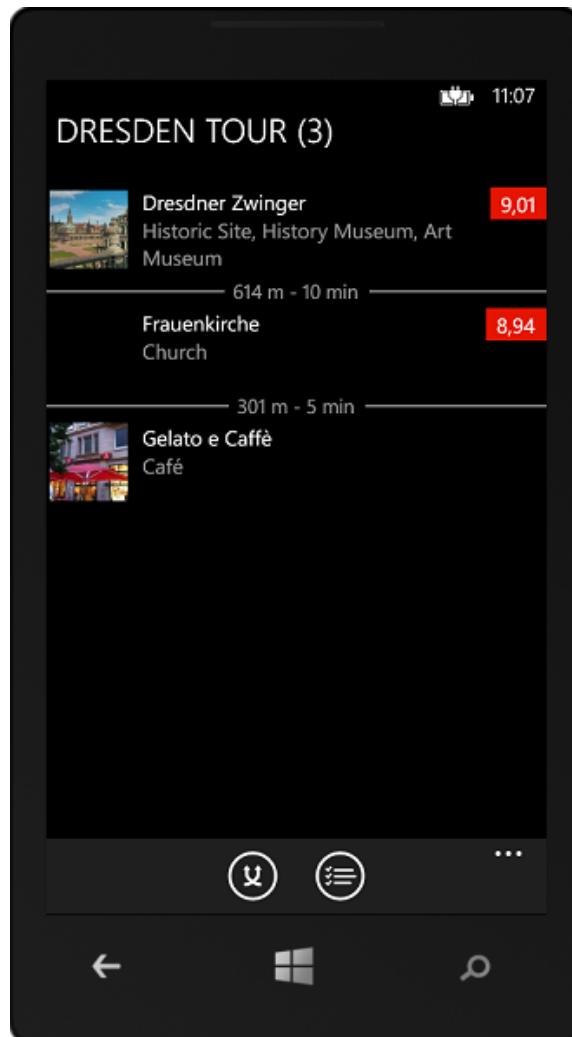
Susan





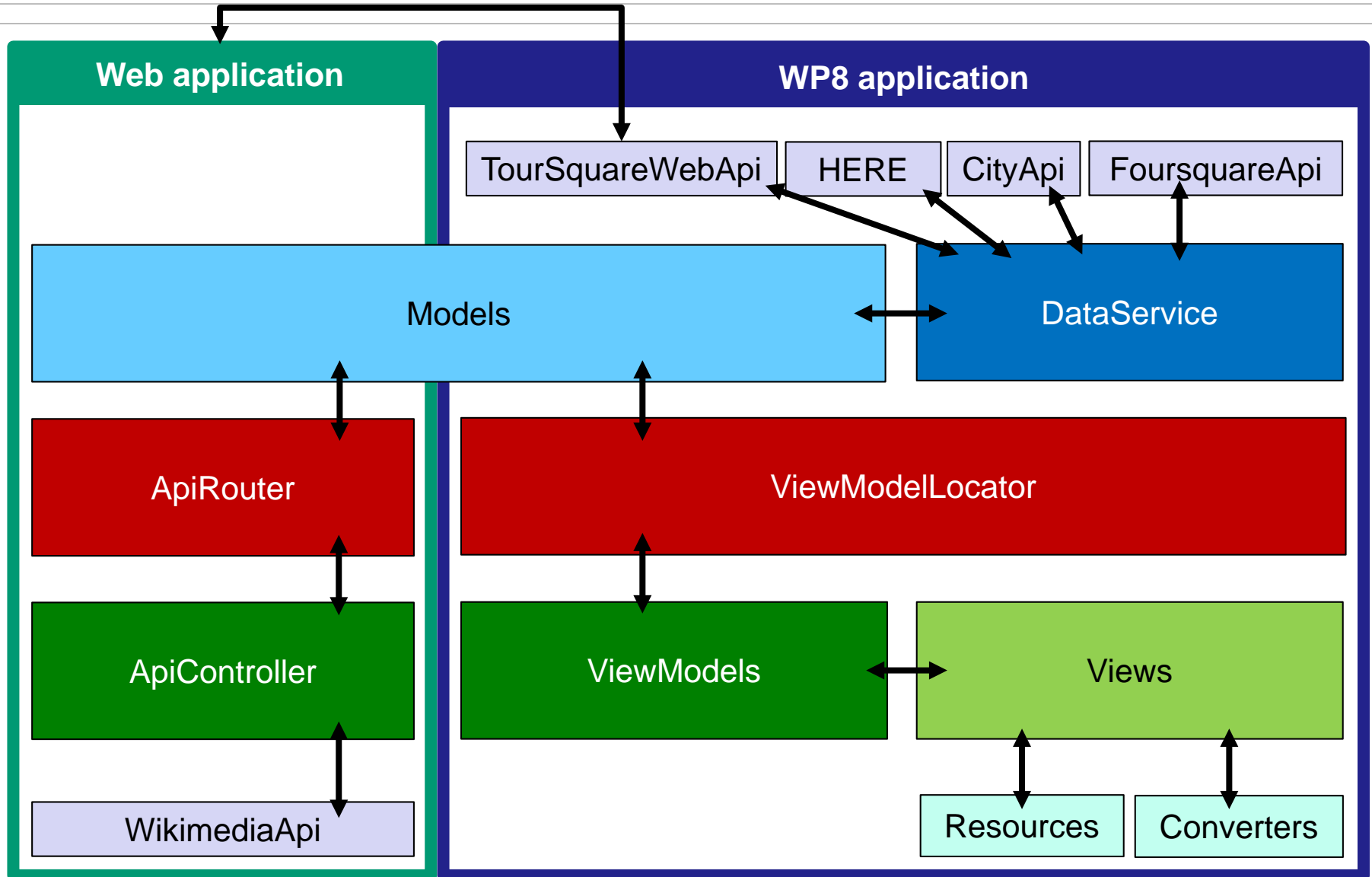






- Datenquellen
 - Foursquare API
 - City API
 - Wikimedia API
 - Nokia HERE
- Bibliotheken
 - RestSharp
 - MVVM Light
 - Cimalino
 - Lex.DB
 - Coding4Fun





- Connection type
- Prefetching
- Image size
- Reload venues
- Offline database
- Offline image storage

- **Connection types:**

	WiFi	Mobile plan*	Roaming
Prefetching	Yes	No	No
Load data when required	Yes	Yes*	Ask
Refresh cached images	Yes	No	No
Automatically save tours offline	Yes	No	No

* further distinction using Data Sense feature

- **Prefetching**
- Example: searching for cities
 1. User enters search query
 2. Search request is sent to API
 3. API returns list of city names and their IDs
 4. While user looks through results, the full city details are being loaded in a background thread
 5. When selecting a city, all details are already available

- **Image sizes:**

	WVGA 100%	WXGA 150%	720p 160%	1080p 225%
Photo thumbnails Available: 36, 100, 300, 500 Displayed: 75	100x100px	300x300px		
Profile photos Available: 36, 100, 300, 500 Displayed: 40	100x100px			

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- Culture differences
 - 12,4 vs. 12.4
- Interaction Design
 - reload venues manually vs. automatically
 - location of search bar
 - ambiguous gestures in WebView & Pivot control
- Threading
 - asynchronous communication

```
int getRandomNumber()  
{  
    return 4; // chosen by fair dice roll.  
              // guaranteed to be random.  
}
```

Thank you for your attention.

And download TourSquare soon.

