

Recommender-System

Context-Adaptive WebApp WhatsUp

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Presentation

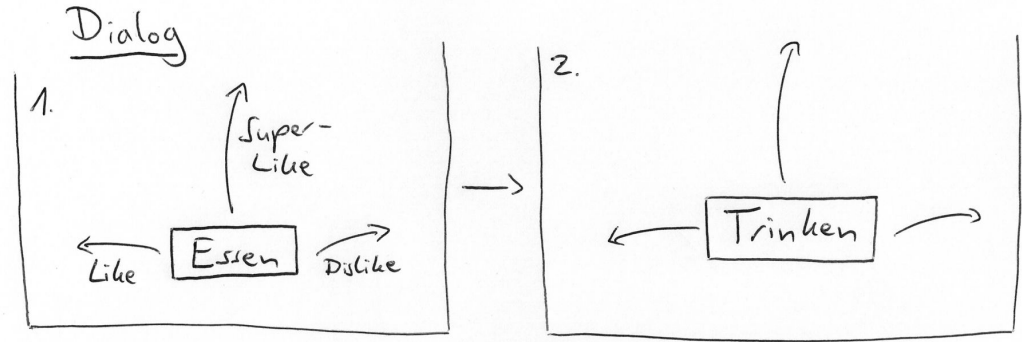
1. Goal
2. MockUps
3. Technologies and context adaptiveness
4. Schedule

Goal

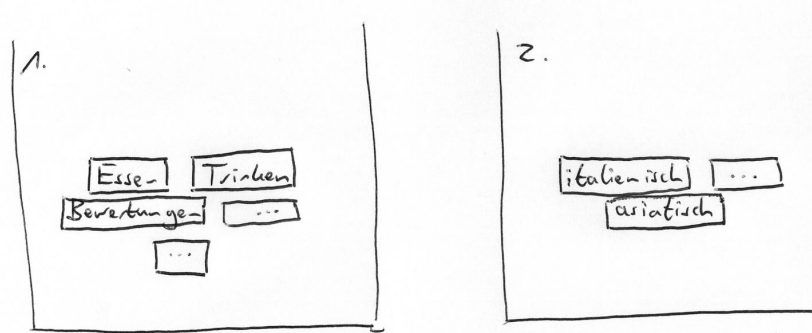
- App which gives recommendations for activities in the spare time near one's location
- User gives as input what he likes to do:
 - Food (Pizza, Pasta) and Drinks (Wine, Beer, Cocktails)
 - Dancing (Music)
 - Bar Sports (Table Soccer, Billiard, Dart)
 - Culture
 - Price range
 - Special Offers

MockUp

- Dialog-based query for current user interests
- Main categories like Food, Drinks, Dancing, Ratings
- If user is very interested in one main category: more specific categories are shown



„Swipe“-Geste

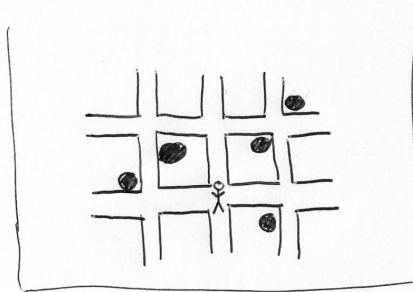


Tag-Cloud

MockUp

- Recommendations are shown on a map
- At a glance:
 - Recommendations which signal their importance
 - Location of the user and his distance to the recommendations
- List with recommendations can be shown

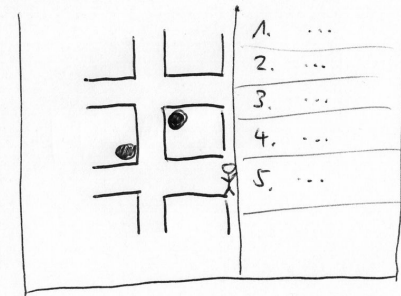
allgemeine Transparenzseite (Vorschlagsliste)



Karte mit Vorschlägen

Reihenfolge der Vorschläge:

- Größe der Marker
- Farbe " "
- Nummerierung " "



Liste mit Vorschlägen einblendbar

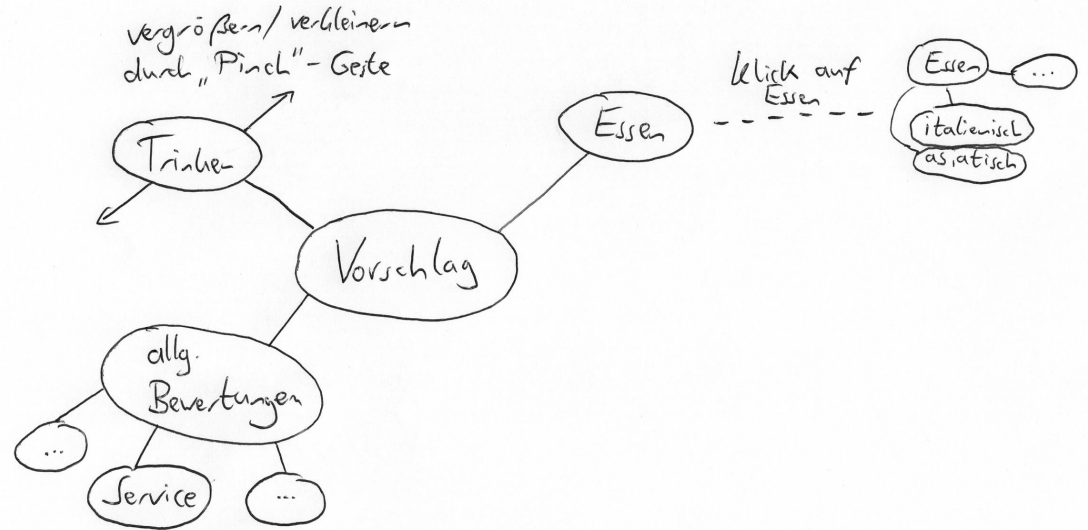
♀ - aktueller Ort

Klicke auf Marker führt zur speziellen Transparenzseite

MockUp

- User can see in a mindmap, why the system gave him this recommendation
 - User can change the size of the connected bubbles
- > changes the importance of the tag and so all of his recommendations

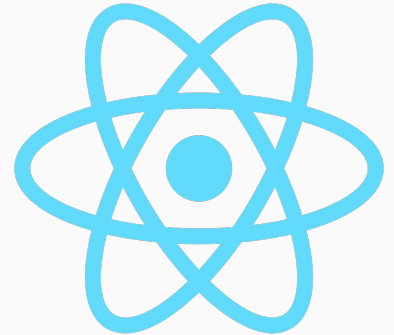
spezielle Transparenzseite (individueller Vorschlag)



Technologies

- Platform-independent PWA with ReactJS
- Facebook, Google Places, Yelp as data sources
- Client-/Server-architecture with Rest API and node.js

- Context-adaptiveness for location, connectivity
 - HTML5 Geolocation-API, NetInfo-API
 - ServiceWorkers for caching of possible locations if connection is lost



Time Table

- 15.10.2017: Initial team forming
 - Brainstorming for app ideas
- 03.11.2017: First presentation
 - Implementation of an app prototype, API-Stubs
- 15.12.2017: Presentation adaptive concept (location, connectivity)
 - Implementation of app, full api
- 26.01.2018: Presentation full application

Questions?