Event Finder

Juan Osorio, Nico Hahn

First presentation, November 8th 2019

App idea

Application scenario

- User wants to attend events

- Application suggests upcoming events to user

  → App gives user an idea of which events to attend

Platform

- Android

App Mock-ups

Event Finder

- Salsa-Abend: Neustadt, 6km
- Konzert Frauenkirche: Altstadt, 2km
- Filmfestival: Programmkino Ost, 3km
- Kammermusik Neu: Hellerau, 200m
- Vortrag Think Forward: HM 1.5km
- Kunstaustellung: Motorenhalle, 2km
- Konzert Wall & Birds: Irgendwo, 20km
- Poetry Slam: Scheune, 600m
- ErstieParty: HSZ, 4km

| List View | Map View |

- Konzert Frauenkirche: Altstadt, 2km
- Filmfestival: Programmkino Ost, 3km
- Kammermusik Neu: Hellerau, 200m
- Vortrag Think Forward: HM 1.5km
- Kunstaustellung: Motorenhalle, 2km
- Konzert Wall & Birds: Irgendwo, 20km
- Poetry Slam: Scheune, 600m
- ErstieParty: HSZ, 4km
- Salsa-Abend: Neustadt, 6km
- Konzert Frauenkirche: Altstadt, 2km
- Filmfestival: Programmkino Ost, 3km
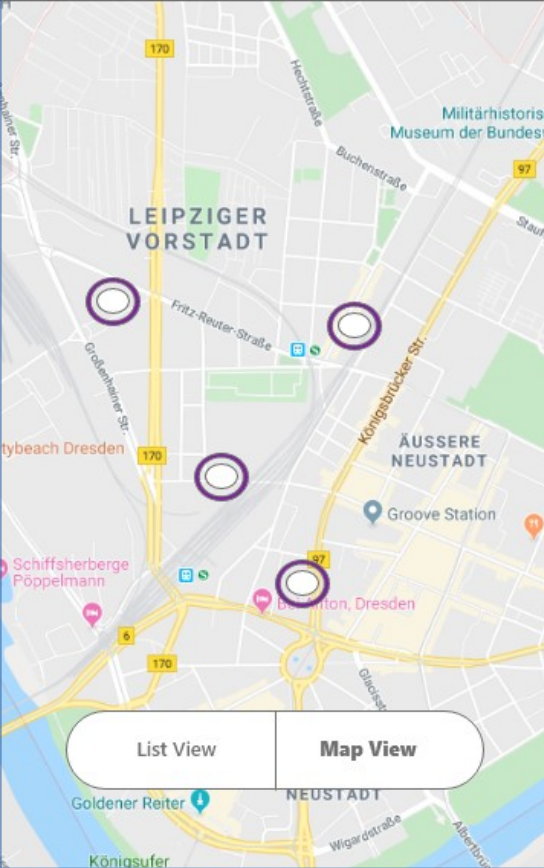- Kammermusik Neu: Hellerau, 200m

Event Finder

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
 Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint

I'm Interested

Event Finder

LEIPZIGER VORSTADT

ÄUSSERE NEUSTADT

| List View | Map View |

Event Finder

Search for Events...

- 🕐 Newest first
- ⭐ Top
- 🏷 Topics ›

ErstieParty,

Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est

Use cases

User

- Search for events

- Show events near the user

- Show events friends attend

- Invite friends to events

- Create own public/private events

Event Finder
Juan Osorio, Nico Hahn
First presentation, November 8th 2019

TECHNISCHE
UNIVERSITÄT
DRESDEN

DRESDEN
concept

Challenges of mobile computing

Location Challenge

- Events near the user are shown to them

Connectivity challenge

- Event information require an internet connection to be downloaded

- Slow connection → download closest event information first

- Limited mobile data → option to prevent images from downloading when there's no WiFi connection, limit background downloading

- Friend invitations always require an internet connection

Offline challenge

- Keep recent event information cached (e.g. cache the closest 20 events)

- Keep any event the user attends cached, so its information will be available any time

TECHNISCHE
UNIVERSITÄT
DRESDEN

Event Finder
Juan Osorio, Nico Hahn
First presentation, November 8th 2019

Folie 5

DRESDEN
concept

Adaptations

Location

- User moves → update events based on new location
- Search radius can be set by the user

Connectivity

- Update cached events (if they're still relevant) when the user goes back online

User preferences

- Suggest events / Highlight events based on user's interests (e.g. filtering by tags)
- Dynamic event search radius
- Option to see events that friends of user attend

Technology

Application

- Android API 26

- Programming language: Java

Basic account system

- Each user has an individual account identified by their phone number

  → Therefore friends can be retrieved directly from the user's contact list

Server backend

- Provide databases for account and events

- Handle application – database interaction to deliver relevant information to the user as described in previous slides

TECHNISCHE UNIVERSITÄT DRESDEN

DRESDEN concept

Schedule

Mid November

- Application/UI design

- Software architecture / OOA

- Prototype

Late November until early January

- Actual implementation

Remaining January

- Application testing

TECHNISCHE
UNIVERSITÄT
DRESDEN

DRESDEN
concept