

Mobile Applications and Services

Challenge Project: Ready2Meet

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- ▶ Facilitate creating events and inviting people
- ▶ Provide tool for organizing the people joining the event
- ▶ Invite people you do not yet know based on their location
- ▶ Receive notifications on possible activities nearby

Business Model

- ▶ Target users: Everyone
 - ▶ Development currently only for Android
 - ▶ Marketing strategy:
 - ▶ Offer free events
 - ▶ Discounts for events
- ⇒ Gain many users for the app

Business Model – Monetization

Possibilities:

- ▶ Completely free (i.e. open source)
- ▶ Advertisements
- ▶ Selling tickets for commercial events
- ▶ In-App sales:
 - ▶ No ads
 - ▶ Extended features: Target business customers or unlimited events for the user

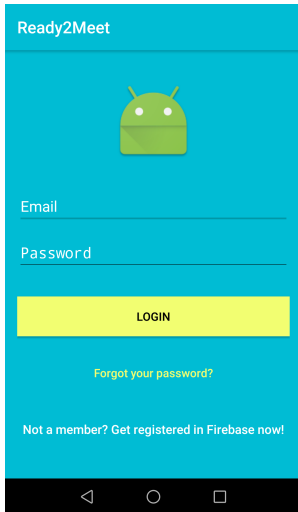
Selected strategy:

- ▶ Free basis version (ads possible)
- ▶ In-App purchases for extended features

Competitors

- ▶ Fever:
 - ▶ Generates an event list taking into account your interests
 - ▶ Only few events, only big cities
 - ▶ Focus on commercial events
- ▶ WeTorch
 - ▶ Free app that provides a selection of events near your location
 - ▶ Only in Spanish
 - ▶ Focus on cultural events and arts
- ▶ Event Manager: helps event organizers to grow their event reach and manage it
- ▶ Event Manager by Billeto: gives an overview of the event for event managers
- ▶ Facebook: Invite friends to events

UI Design and Click Stream

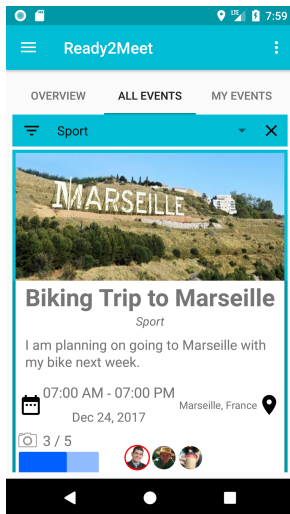


(a) Login Screen

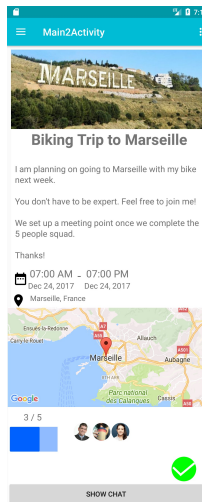


(b) Start Screen

UI Design and Click Stream

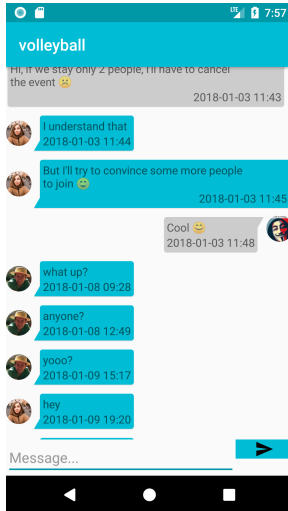


(c) Event List

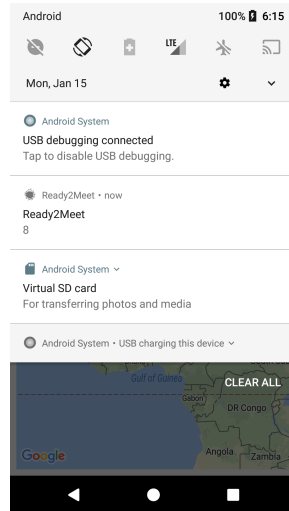


(d) Event Details

UI Design and Click Stream




(e) Chat



(f) Chat Notification

UI Design and Click Stream

☰ Main2Activity ☰



Title: Barbeque in my garden

Start Time: **WED, DEC 20, 2017 AT 08:15 PM** >

End Time: **WED, DEC 20, 2017 AT 09:15 PM** >

Place: **4 AVENUE GEORGES POMPIDOU, 06560 VALBONNE, FRANCE** >

Capacity: 10

Category: Outdoor ▼

Notification 5 km ▼


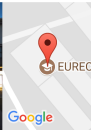
(g) Add Event

☰ Main2Activity ☰

Click to add photo

Use this place?

EURECOM
Campus SophiaTech, 450 Route des...

CHANGE LOCATION SELECT

Notification area: 1 km ▼

(h) Add Event Location

Use Case – Joining an event

- ▶ User is in a new city (e.g. holidays) and wants to do something
- ▶ User opens the app and sees events of different types nearby
- ▶ User can join the event
- ▶ During event: user can take and share pictures
- ▶ In case of notifications: User is notified about new events or when his location changes

Use Case – Creating an event

- ▶ User has an idea for an event but doesn't know anyone
- ▶ User opens the app and creates the event (time, place, category, capacity, . . .)
- ▶ User can manage participants
- ▶ Participants can organize themselves in a chatroom which is automatically created

SW Architecture – Database

fr.eurecom.Ready2Meet.database::User

- + DisplayName : String
- + ParticipatingEvents: Map<String, Boolean>
- + ProfilePictureURL : String

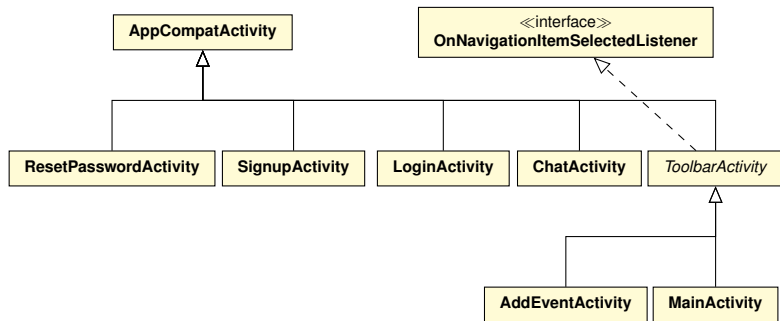
fr.eurecom.Ready2Meet.database::Message

- + message : String
- + senderId : String
- + time : String

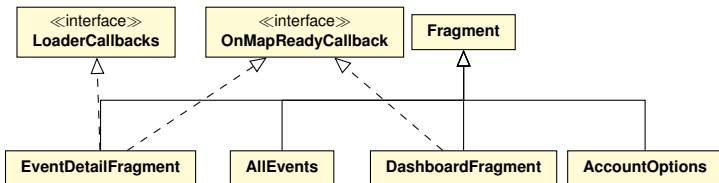
fr.eurecom.Ready2Meet.database::Event

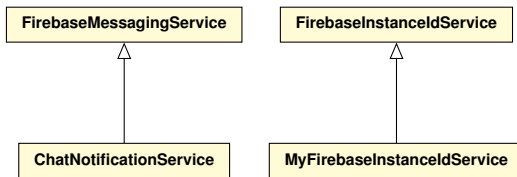
- + id : String
- + title : String
- + description : String
- + owner : String
- + current : Long
- + categories : Map<String, Boolean>
- + capacity : Long
- + picture : String
- + place : String
- + startTime : String
- + endTime : String
- + Participants : Map<String, Boolean>
- + notificationArea : Long
- + latitude : Double
- + longitude : Double

SW Architecture – Activities

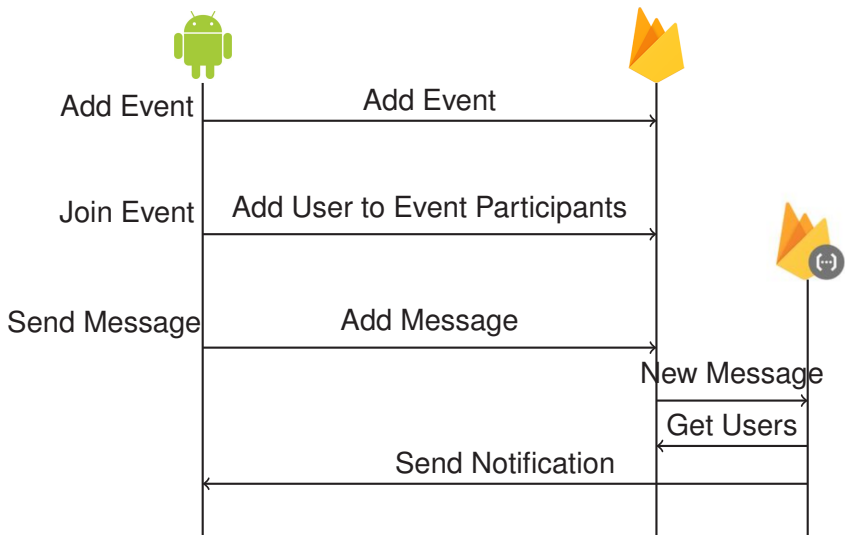


SW Architecture – Fragments





Interaction with Backend



Technical Details

Permissions:

- ▶ Internet
- ▶ Location
- ▶ Read and write calendar

Frameworks used:

- ▶ Firebase: Realtime database
- ▶ Picasso/Glide: Image rendering
- ▶ Google Play Services: Maps/Places
- ▶ UI: RoundCornerProgressBar, circleimageview, customcheckbox

- ▶ Git (repo: <https://github.com/KuechA/mobEvent>)
- ▶ Agile development using 2 techniques:
 - ▶ Rapid application development: Prototyping, Adjustment of requirements
 - ▶ Chaos model: Resolve most important issue first
- ▶ Continuous discussion about own task attributions, issues etc. via WhatsApp

Status and Planning – Project status

- ▶ Creating and joining events
- ▶ Real-time information for the user
- ▶ User-preferences taken into account
- ▶ Interaction with calendar
- ▶ Photo gallery for each event
- ▶ Weather forecast for event time (OpenWeatherMap)
- ▶ Chat for each event (incl. notifications)

Status and Planning – Task attribution

- ▶ Berkay:
 - ▶ User management
 - ▶ Event list
 - ▶ UI enhancements
 - ▶ Support with event details
- ▶ Alex:
 - ▶ Adding events
 - ▶ Chat (incl. notifications)
 - ▶ Landing page
 - ▶ Event details (incl. calendar query, weather)
 - ▶ Backend (Firebase functions)
 - ▶ UI improvements
- ▶ Saad: UI

DEMO

Questions?