SEBA MASTER - WEB APPLICATION ENGINEERING

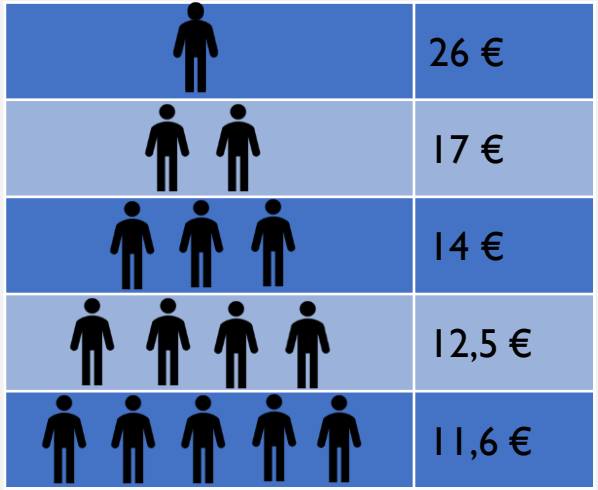
Exercise II: Technical Description & Design

Presented by: Team 52

BUSINESS IDEA RECAP

- Group tickets are cheaper per person than single tickets!

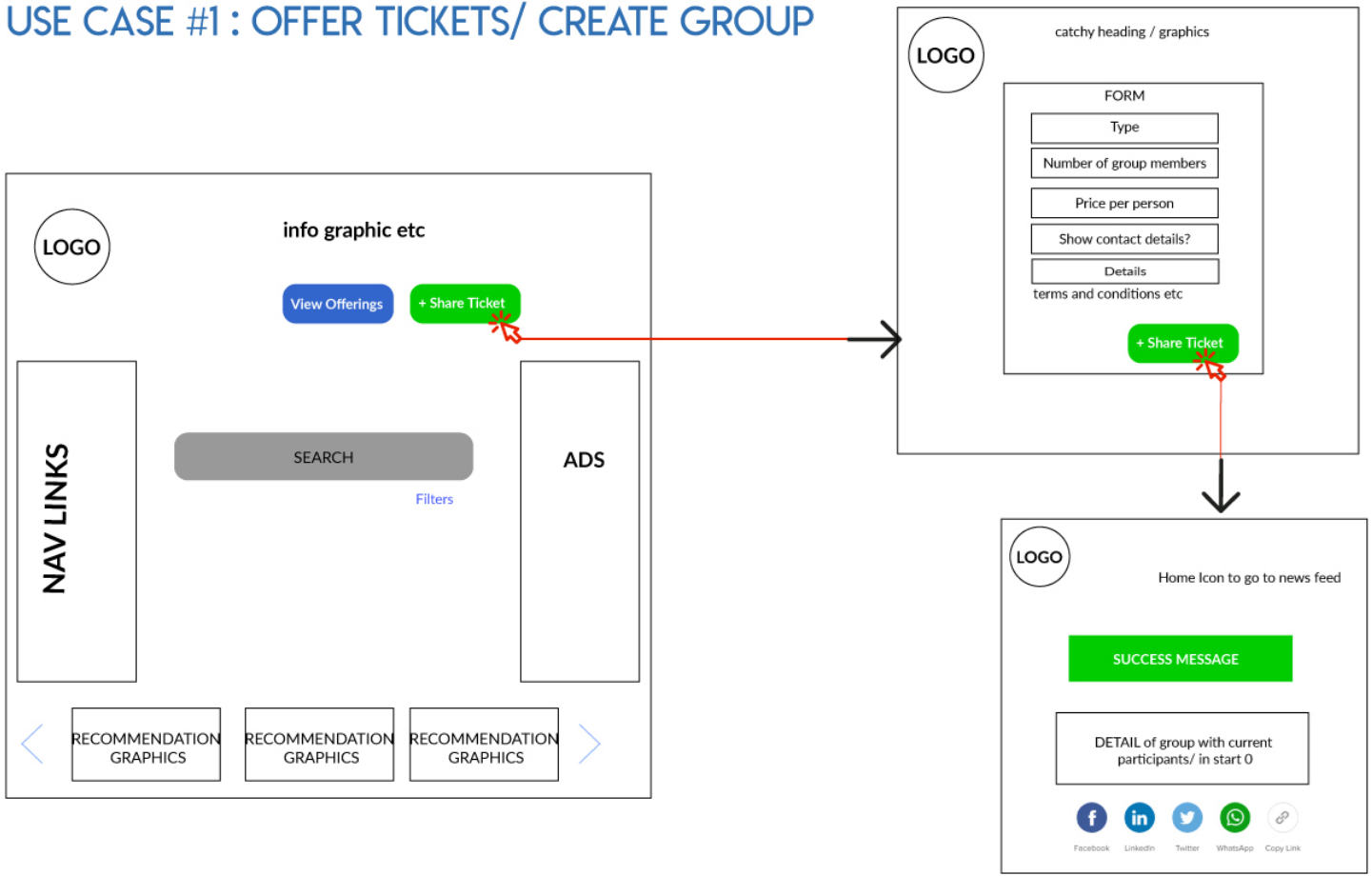
- Our idea:
  Web application where one can publish a group ticket and share the price with people that are interested in the same activity.
  - e.g : public transport, festivals, events…



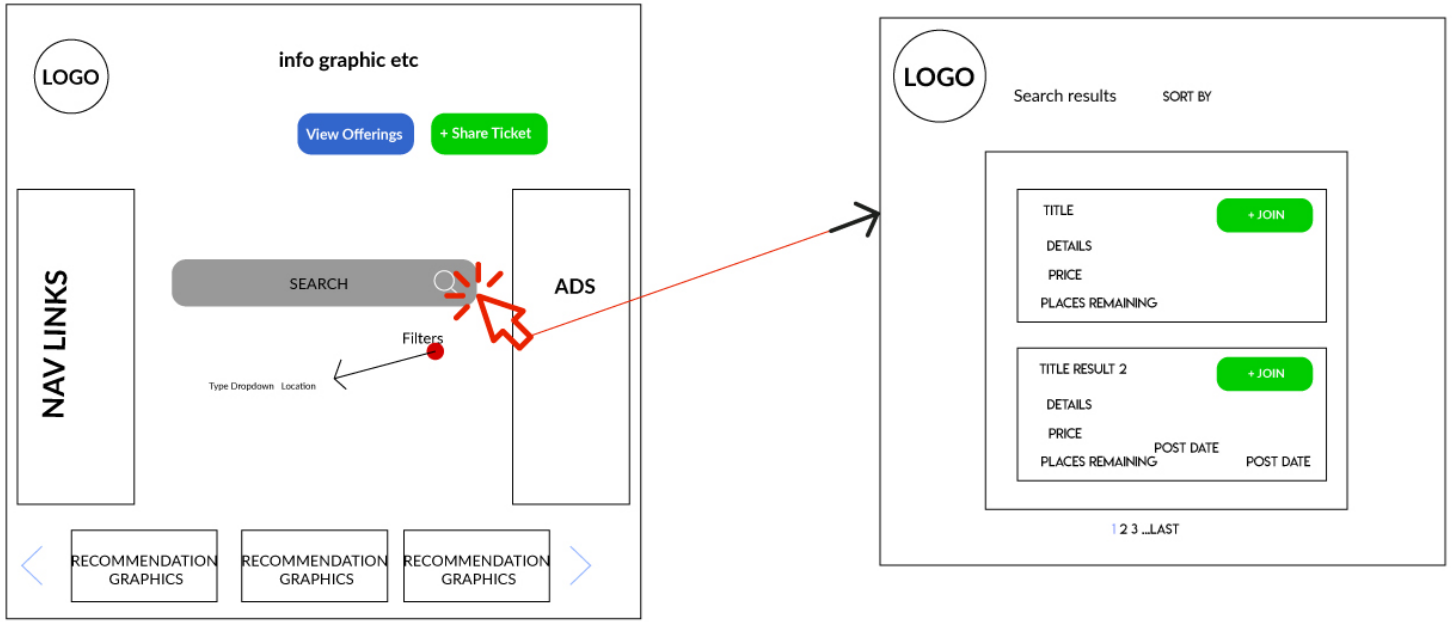
Bavaria Ticket price / person

Use Cases

USE CASE #1 : OFFER TICKETS/ CREATE GROUP



USE CASE #2 : SEARCH



TICKET SHARE.

Search SignUp Login

Search for a ticket..

Filter

< 100 € ✖ 01/05-30/05 ✖ 3 tickets found

Bavaria Ticket

Already bought ✔

11,6 € / person 23/05/2020

Europa Park for 20

Already bought ✔

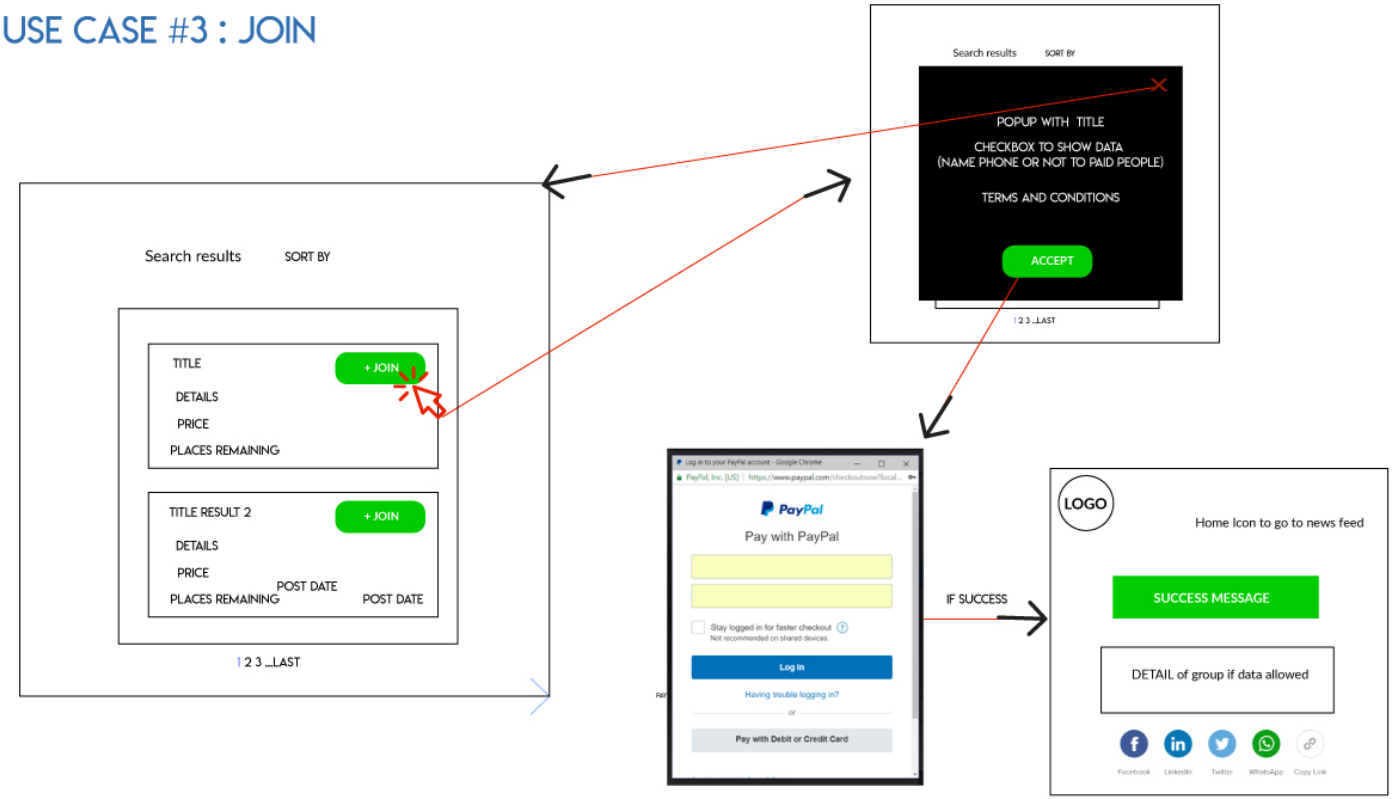
46 € / person 23/05/2020 11 x 9 x

Bavaria Ticket

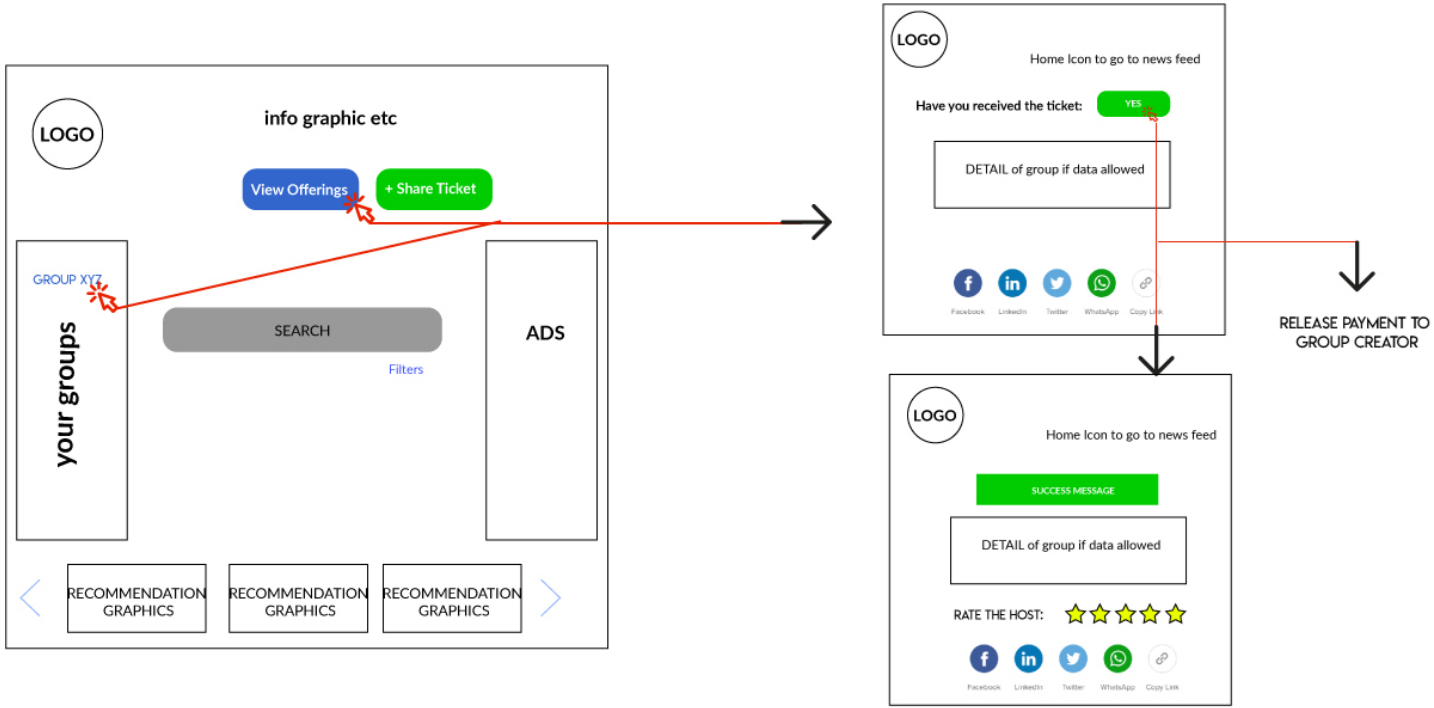
Not bought ✖

11,6 € / person 10/05/2020

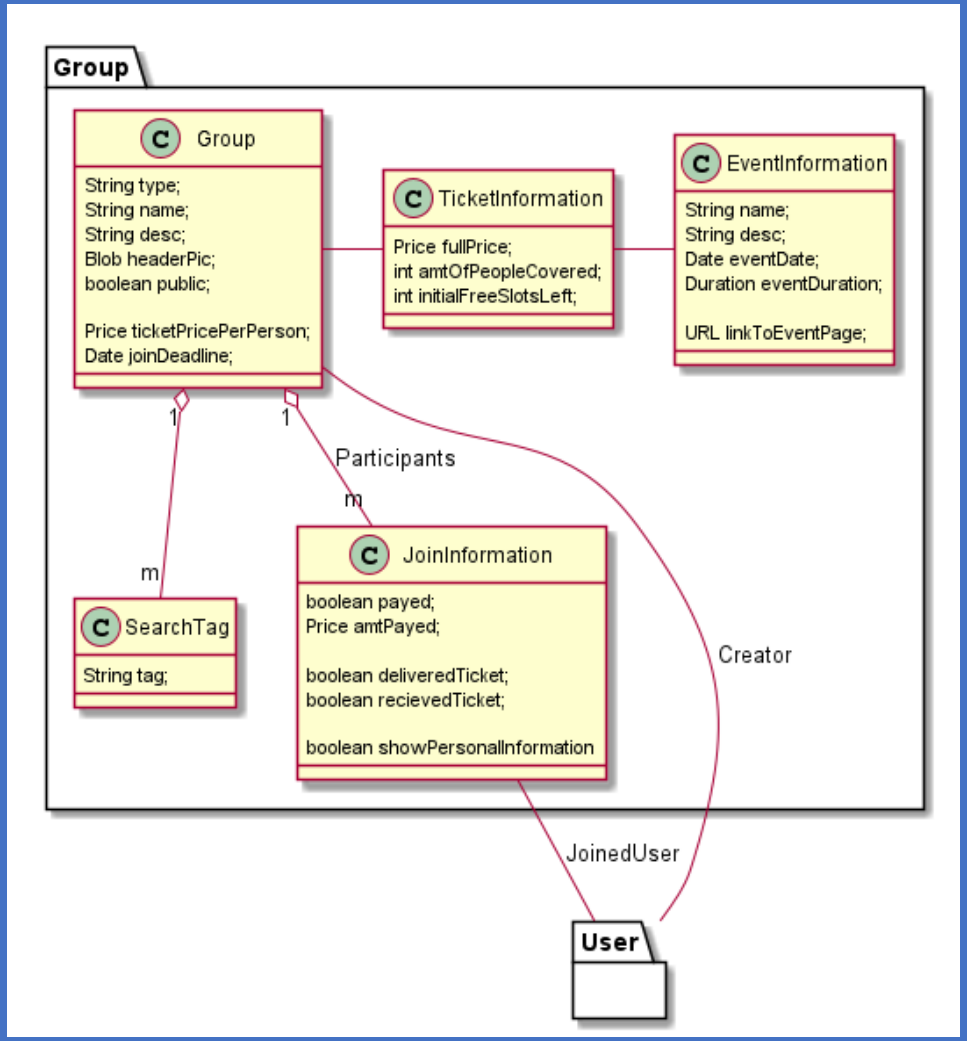
USE CASE #3 : JOIN

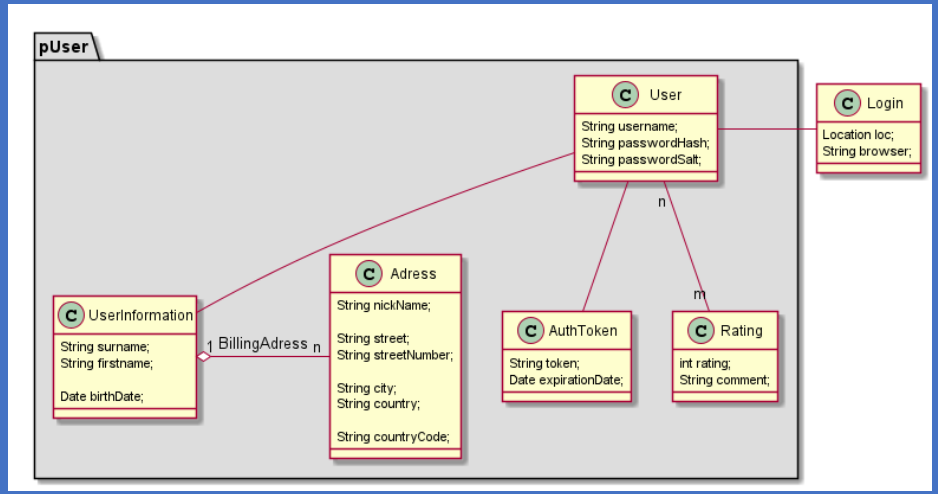


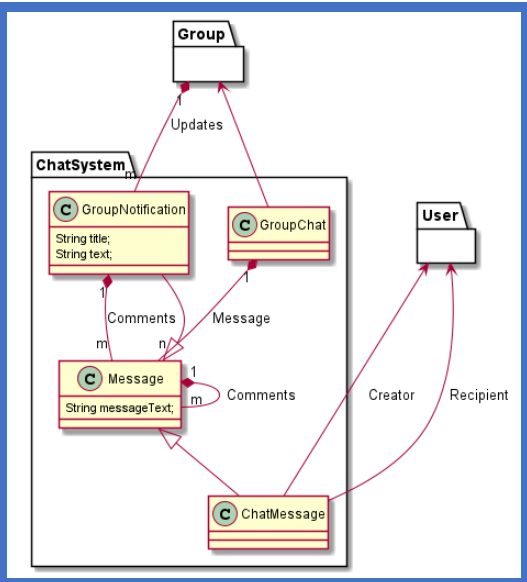
USE CASE #4: CONFIRM TICKET RECEIPT



Data Model


Group
Group
String type;
String name;
String desc;
Blob headerPic;
boolean public;
Price ticketPricePerPerson;
Date joinDeadline;
TicketInformation
Price fullPrice;
int amtOfPeopleCovered;
int initialFreeSlotsLeft;
EventInformation
String name;
String desc;
Date eventDate;
Duration eventDuration;
URL linkToEventPage;
1
1
Participants
m
m
SearchTag
String tag;
JoinInformation
boolean payed;
Price amtPayed;
boolean deliveredTicket;
boolean recievedTicket;
boolean showPersonalInformation
Creator
JoinedUser
User


pUser
User
String username;
String passwordHash;
String passwordSalt;
Login
Location loc;
String browser;
n
m
UserInformation
String surname;
String firstname;
Date birthDate;
1
BillingAdress
n
Adress
String nickName;
String street;
String streetNumber;
String city;
String country;
String countryCode;
AuthToken
String token;
Date expirationDate;
Rating
int rating;
String comment;


Group
1
Updates
ChatSystem
m
GroupNotification
String title;
String text;
GroupChat
User
1
1
Comments
Message
m
n
Message
String messageText;
1
m
Comments
Creator
Recipient
ChatMessage

THANK YOU

Q&A