

Department of Computer Science Institute for System Architecture, Chair for Computer Networks

Application Development for Mobile and Ubiquitous Computing

PrivateViewing

Second Presentation

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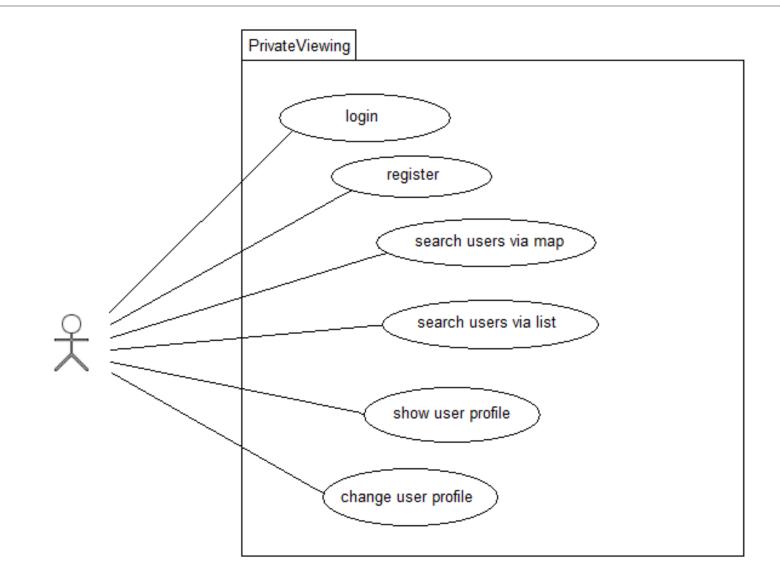
Idea:

users can look for people who let them watch their favourite team on TV

Functions:

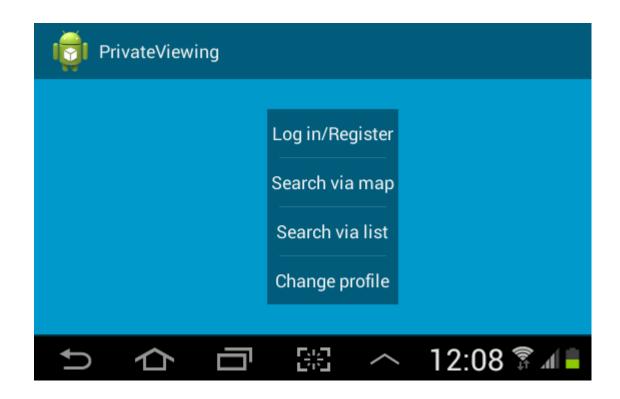
- users can register with an own profile
- profile contains personal and contact information as well as preferred sports and clubs
- users can mark themselves as available hosts for watching an upcoming match







Menu

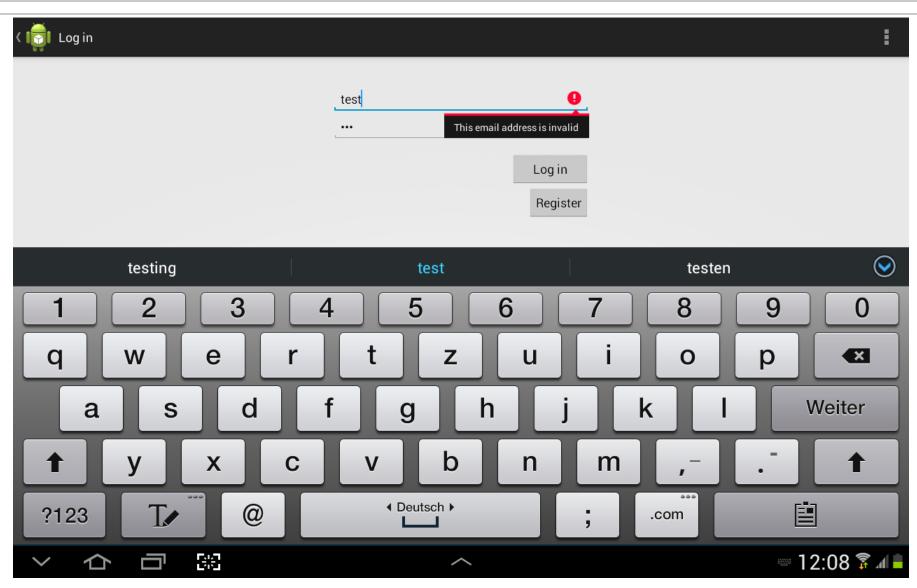




Screenshots

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	Password	.	
	Log in]	
	Register		
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Sex			
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Street City			
Contact:	_		
Phone: ⁺⁴⁹			
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Preferred sports:			
Preferred divisions:			
Preferred clubs:			
About me:			
Write something that describes yourself			
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Client

- Android application containing
 - Java classes provide functionality
 - Android XML files provide layout
 - XML files provide strings
- Google APIs & Google Play Services for Google Maps



Server

- Platform is Google App Engine (GAE)
- Written in Python
- Using Webapp2 library
 - User handling
 - Database management
- Data exchange between client and server
 - RESTful API
 - JSON format



Server Restful API

- /login
 - POST: Logging user in.
- /logout
 - GET: Logout user.
- /profile
 - GET: Get detailed information about specific user.
 - POST: Creating new user.
 - PUT: Updating user information.
 - DELETE: Delete user.
- /search
 - GET: Get short information about registered users.
- /position
 - PUT: Update user's location.



- JSON format for exchanging data
 - Easy to parse and only the needed information
- Data validation before sending request
- Users have GPS coordinates
 - Viewing users in the map
 - Searching users that are near you



Done:

- communication client \Leftrightarrow server
 - user registration and log in
 - get list of users
 - show and change profile

To do:

- Fixing the user login in client app
- Fixing problems with getting location
- Making usable list view
- Adding user location update to client
- Improving layout