



We Out

Social Hangout App



by Ron Sharma and Saif Billah

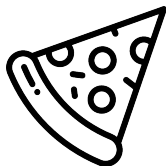


App Overview

Purpose

Allow a user to plan casual events

- Create an account and add friends
- Create events and invite friends to them
- Events consist of date/time, location, and description
- View events you have accepted
- View, accept, and reject event invites



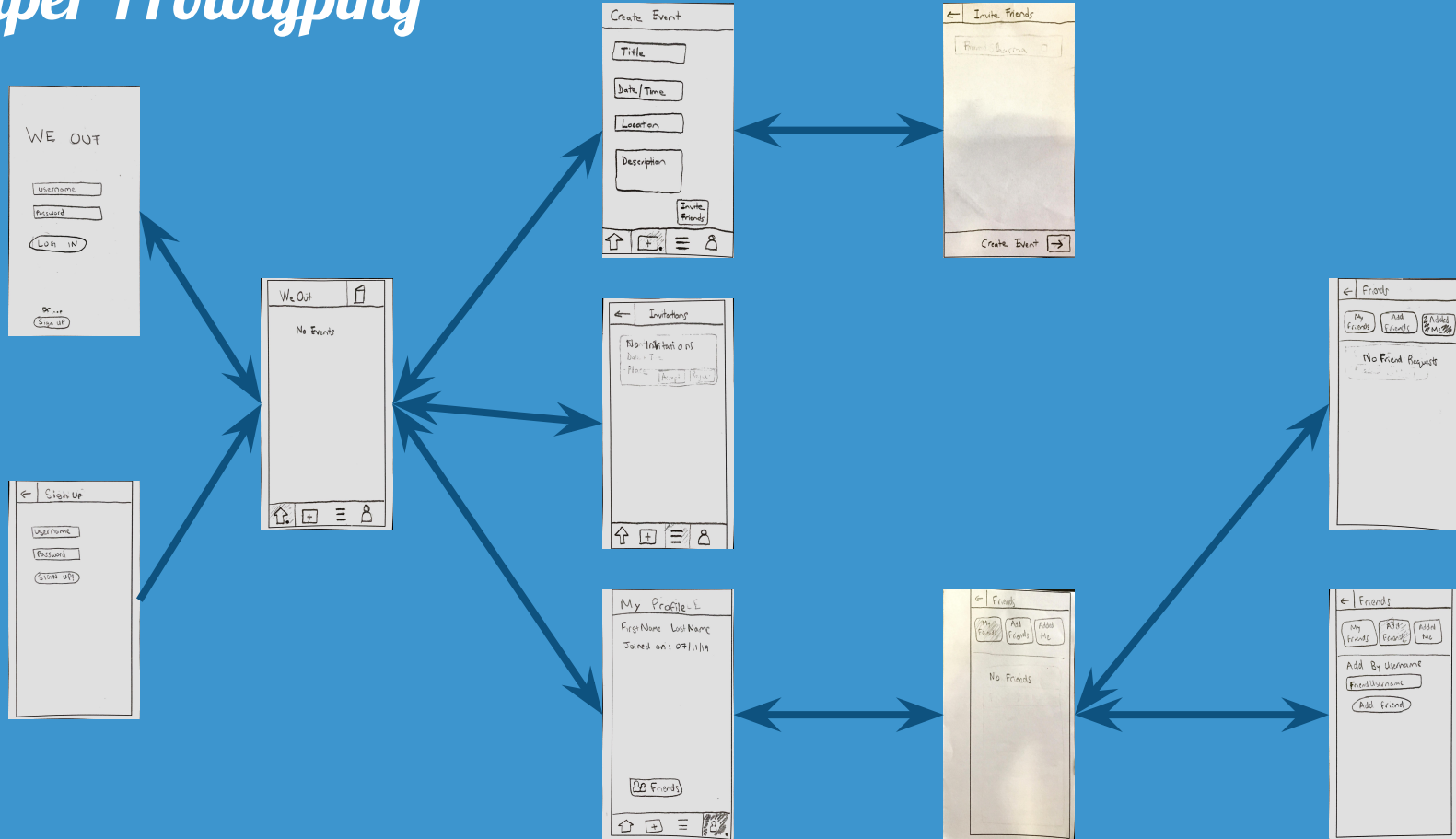
Target Audience

People who are looking to hang out with *different* friends *casually*.

Benefits

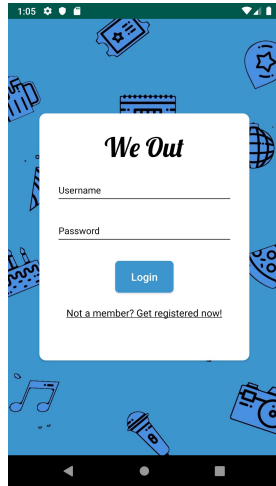
- No need for multiple group chats
- No need to text each friend individually
- No need to make a facebook event
- Fast and easy to see who is available
- Consolidate hangouts in one place

Paper Prototyping



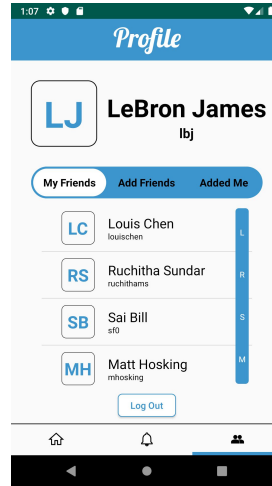
Project Checkpoint #1 : Proposal

Feature 1: Accounts



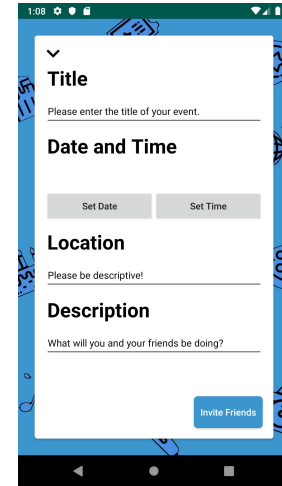
- Register an account
- Login screen for existing users

Feature 2: My Profile



- Add friends
- View current friends
- Accept/reject friend requests from others

Feature 3: Events



- Create events
- Accept/reject event requests
- View accepted events

Project Checkpoint #2 : Accounts

MoSCoW Analysis

Must have

- Sign up and create an account by filling in text
- User receives feedback via Toast messages
- User is able to login in later on with same account created

Should have

- Click on "Remember Me" on login screen

Key Issues Found By Users

- Not enough info for Friend requests
- Selecting Date and Time in the Create Event Screen
- Organizer vs. Attendee for an event
- Bland color scheme



Done for Next Checkpoint

- Store username along with full name in Firebase
- Make the text views for date and time initially blank
- Add a symbol to each cardview on events home feed to distinguish if you're an organizer

Project Checkpoint #3 : Friends

MoSCoW Analysis

Must have

- Details of user on My Profile Section
- Friends tab
- Add Friend tab
- Friend request tab

Should have

- See first and last name of user on My Profile

Key Issues Found By Users

- Typing in multiple words into add friend
- Wasn't sure if add friend was successful



Done for Next Checkpoint

- Limit username in "Add Friend" tab to one word
- Add snackbar and clear edit textbox if friend request sent successfully

Database (Friends)

The screenshot displays a database management interface with a breadcrumb navigation path: **home** > **users** > **lbj** > **friends** (with an edit icon).

The interface is divided into three main panels:

- Left Panel (Database Explorer):** Shows a tree structure. The **users** database is expanded, showing a list of users: **Sbh**, **anubhav**, **ashna**, **cw**, **lbj** (selected), **levi**, **louischen**, **mhosking**, **natalie**, **pratheepk**, **pratheepkumar**, **ronitshar**, **ronitsharma1997**, and **ronnysharma**. A **Save As** button is visible next to **louischen**.
- Middle Panel (Collection Explorer):** Shows the **lbj** collection expanded, displaying two collections: **events** and **friends** (selected). Below this, the **friends** collection is expanded, showing a list of fields: **emailAddress** (value: "fake@gmail.com"), **firstName** (value: "LeBron"), **fullName** (value: "LeBron James"), **joinedDate** (value: "1565227154"), **lastName** (value: "James"), and **userName** (value: "lbj").
- Right Panel (Document Explorer):** Shows the **friends** document expanded, displaying two documents: **current** and **received**.

Project Checkpoint #4 : Events

MoSCoW Analysis

Must have

- Create an event and invite friends
- Accept or reject events
- View details for events you have accepted

Should have

- View details for events you have been invited to
- Delete events as an owner

Extra

- Leave an event as an attendee

Key Issues Found By Users

- “Sign up” TextView was not obviously clickable
- Multiple word username
- Create event page had “event” in each header
- EditText to add a friend was not cleared after friend request sent successfully



Done for Next Checkpoint

- Limit username to one word
- Clear EditText for adding a friend if the friend request sent successfully
- Remove headers from create event page
- Adjust color and format for “Sign up” TextView

Database (Events)

🏠 > events > 4J9pdsdOHJO...		
we-out-v1	events	4J9pdsdOHJOhrBmPhE4r
+ Start collection	+ Add document	+ Start collection
events >	4J9pdsdOHJOhrBmPhE4r >	+ Add field
users	4W9ZoQBs0QA0NM6yq7Y6	▼ attendingMap
	56dEi9YGRdp1ZvCrxWS7	ronnysharma: "Ronny Shawarma"
	5HAVPYPfHLnURW8W1Etj	dateCreated: "1565134809"
	5Xpc8dYjMzD6vFxxkKwY	description: "ererer"
	9jEZSi1143XsC9Fq5aBR	eventDate: "8-13-2019"
	E9VmdGVfs40R9BxdYZch	eventTime: "07:39 PM"
	FCWP0JnXLDVwiXGSCXHv	▼ invitedMap
	JU9Yp3p4YwAjr1HtRjN0	location: "ererer"
	LvLFUgTkqQT3WksBhKwM	organizer: "ronnysharma"
	MCjtlYMq2a9lTxGzZBqa	title: "errere"
	NKTpyNKP11B1GKy2SV6l	
	NVmV07okXGATM7ooIWor	
	P3fGi4a4D08Gh2BV0nY5	

Project Checkpoint #5

Key Issues Found By Users

- Back button wasn't intuitive
- Color of notification bar
- Change icon for leaving event as a non-owner
- Non-lowercase username



Done for Final Submission

- Optimize database change handling
(events + friends)
- Optimized fragment creation for Tab Layouts

Future Direction

- Chats
- Edit Events
- Remember Me checkbox
- Optimize calls to firebase
- Notifications
- Backend to clean out events that took place 24 hours ago
- UI Changes (icons, general design)
- UX Changes (hide keyboard, override back button)

In Class Demo

1. Register a new user.
2. Add a friend.
3. Accept friend request.
4. Create event.
5. Accept event.
6. Leave event (as non-owner).
7. Refresh.
8. Delete event (as owner).