
RendeVu

An android app that allows users to safely go on dates and inform their friends of their safety level

DEFINITION

Name

RendeVu

Team

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Deliverables

We aim to deliver an Android app that daters can use to stay safe on dates. Daters will be able to request an emergency call to end the date, adjust their comfort level of the date, schedule check ins, update friends on the status of the date, view date history, and request a friend or Uber pickup.

Motivation

With the growing popularity of dating apps, there is less of a chance that you are well acquainted with your date. We want to create an Android app that will perpetuate safety in your dating life.

Approach

We will be using Android Studio to create our app in Java. The app will feature Google and Facebook social login. We will be using location services to access the dater's location. We will use the Uber API to allow the dater to request an Uber. Twilio API will allow us to request fake calls from a buddy. In app push notifications will be used to perform check ins on the date.

Dependencies and risks

One of the foreseen problems is solidifying the flows of the use cases. We aren't sure if some of our features should be implemented manually in-app or through the scheduled checkins. We're also not sure how much information should be specified in the date info as each date gets set up by the dater. Another unknown is the amount of logic that will be delegated to the server itself. Another large challenge will be designing the user interface and user experience.

USER STORIES

As a user, I should be able to sign up, so that I can have a personalized account to keep track of my information

- There should be a visible signup button
- There should be text/check boxes to input user data
- Data should be saved to database
- Dater should get confirmation that account was created
- Dater should be able to sign up through FB, G, or manually.

As a dater, I should be able to input names and numbers, so that I can maintain contact with my "chaperones" while on a date

- There is a visible save button
- Dater can input name
- Dater can input number
- Dater can view current list of contacts
- Dater can edit/delete contacts

As a dater, I should be able to input specifics about a planned date, so that my "chaperones" have background information on my date

- There should be an input field for the dates name
- There should be an input field for the date of the date
- There should be an input field for the datee details
- There should be a place to add selected date chaperones
- The inputted data should be stored in a database

As a dater, I should be able to “start” my date, so that the app begins tracking my date

- There should be a prominent button that starts the date
- The dater needs to be notified when the date started
- The date can see the current location
- The date can review the date information
- The chaperone(s) should get notified when the date starts

As a dater, I should be able to customize how the app interacts with me on my date and maintains my security plan

- The dater should be able to set up the time interval for the check ins
- The dater should be able to customize what is shown on the check ins
- The app should be able to send the checkings at the appropriate time interval
- The app should react appropriately to the check in
- The app should confirm the selections

As a dater, I should be able to update my comfort level through a check in notification, so that the status of my date is updated

- Text message is sent to the dater
- Dater responds with selected comfort level
- Comfort level is recorded in database
- App response is sent based off dater chosen comfort level
- Response is recorded in database

As a dater, I should be able to request a call from a chaperone, so that I am provided with an opportunity to leave my date

- A scheduled check in interaction should provide me an option to request a call from a chaperone
- I should be able to request a call from a chaperone from within the app
- A text should be sent to my chaperone(s) to request a call
- I should get some sort of confirmation that my request was accepted
- I should be able to choose which chaperone to request a call from

As a dater, I should be able to request a pick up from a chaperone with my location included in the request, so that I have a ride to leave my date.

- A pick up button should be visible in the app while date is in progress
- When I click the button, my chaperone is sent my location
- I am verified of the sent message

- Time stamp of the message is recorded in the database
- Confirmation of the pickup is received

As a dater, I should be able to trigger a fake call and/or text, so that I can leave the date if needed.

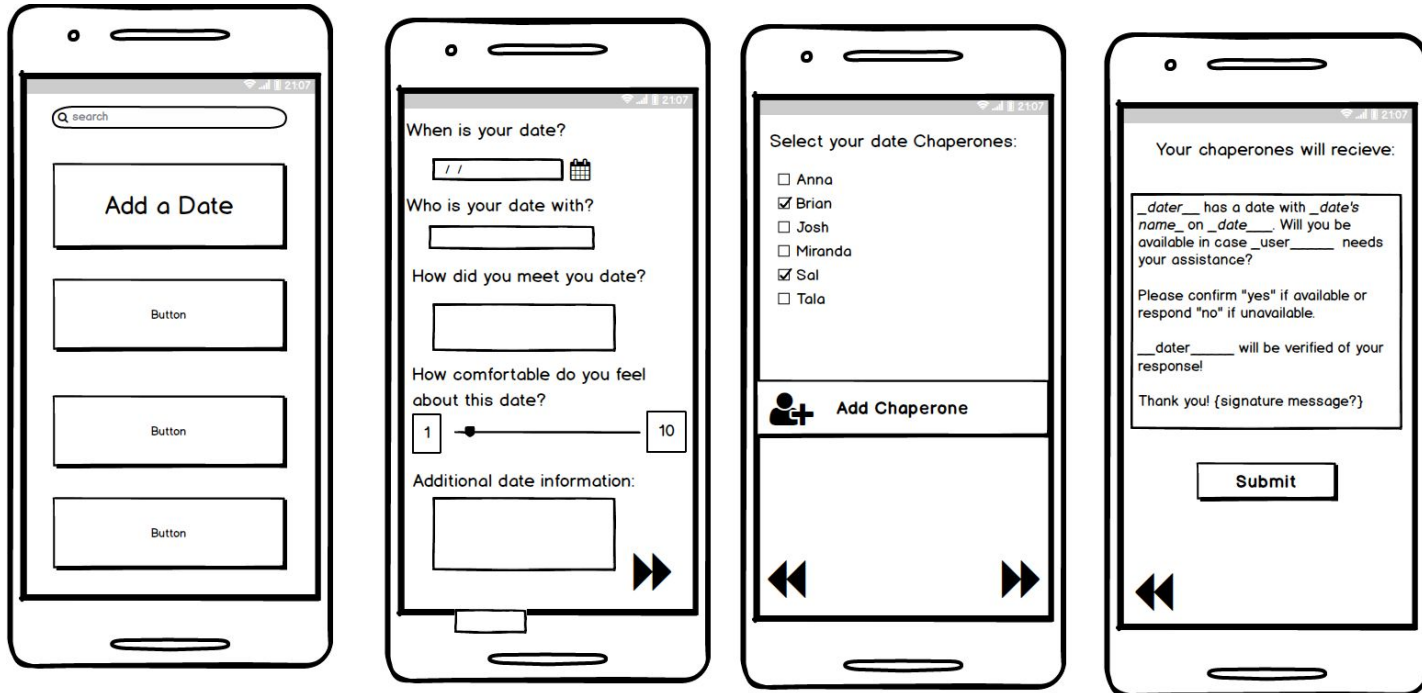
- There should be a trigger fake call button visible
- There should be a trigger fake text button visible
- Text button should trigger fake text message
- Text button should trigger fake call
- App should check comfort level and trigger fake text or call

As a date, I should be able to end my date in the app, so that my chaperones know I am safe.

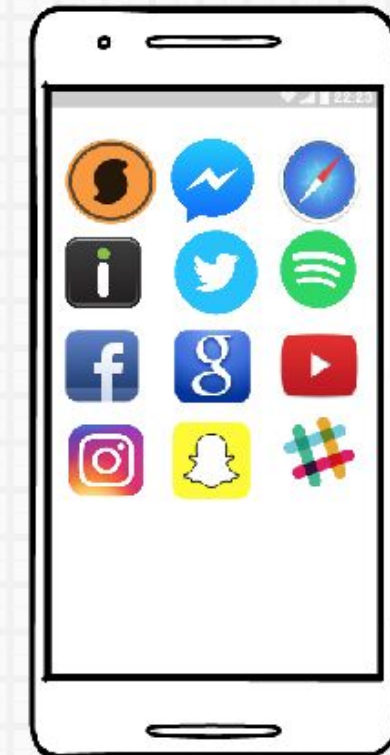
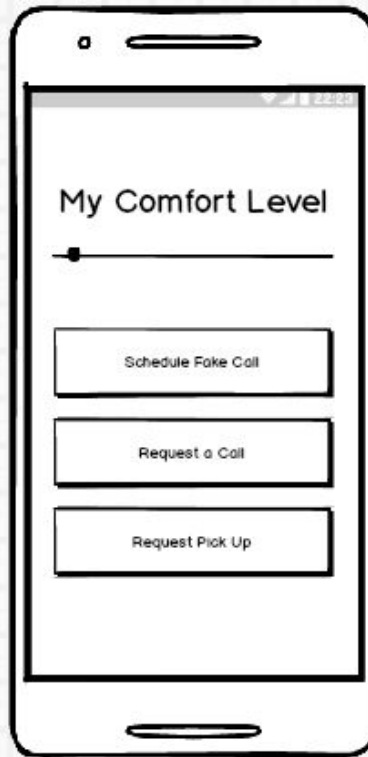
- There should be a visible button to end my date in the app
- Ending my date should store a timestamp for when the date ended
- Ending my date should store a date length
- Ending my date should notify my chaperones that my date ended
- Ending my date should pull up a date summary page

MOCKS

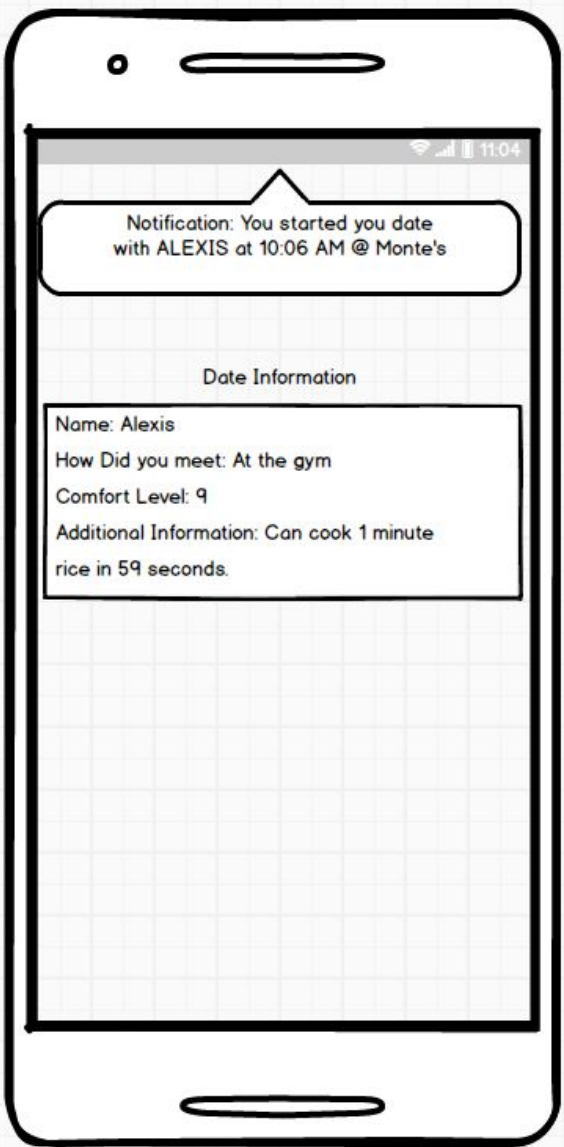
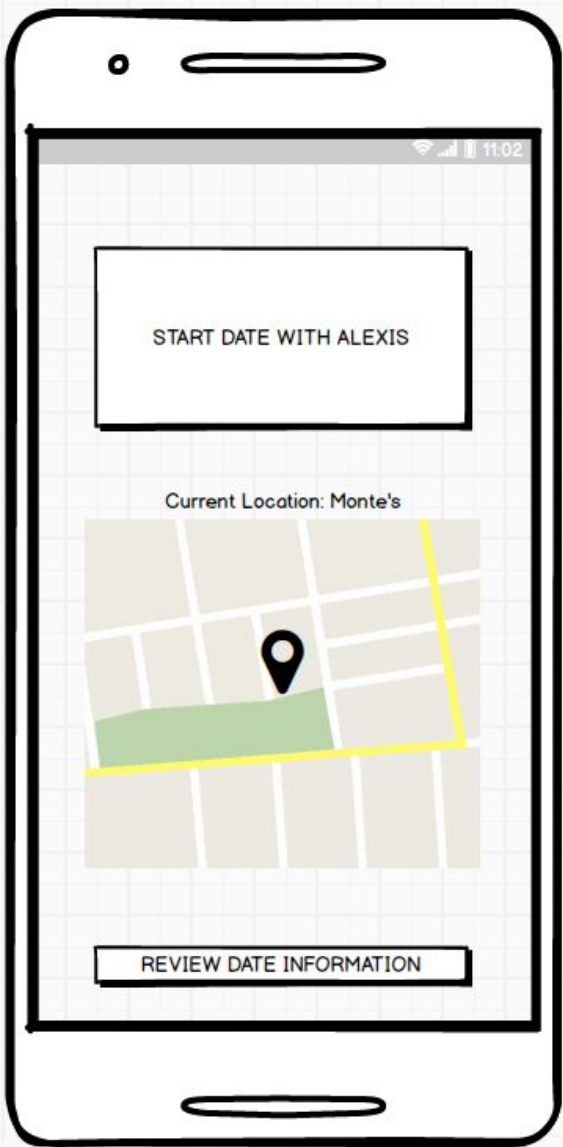
Information on date:



Timed Check In Flows:



Start Date Flow:



Add a Chaperone



HANDIN MILESTONES

Handin 1, due March 27th at 11:55pm

The base of the app is the core chat functionality that allows multiple users to send messages to a common room, and have those messages be relayed to other users. This is captured in the first user story above, and is what we aim to have fully finished by this handin. Since we will take a bit of time to get used to React, we anticipate this handin will be unpolished and unstyled -- something we will fix by the second.

Handin 2, due April 10th at 11:55pm

Building on the above, we'd like to add styling to the page to make it look like the mocks. We'd also like to add in an active users list, social login, and persistence via a database.

Handin 3, due April 24th at 11:55pm

Finishing things up, we will spend the last two weeks fixing interaction bugs in our app. It is also at this point we'd like to add in email and SMS to our chatbot -- we believe these will be simple finishing touches. If time permits, we'd also like to add inline links and image parsing.