Travel App (Name TBA)

CSE 111 - Project Phase 1

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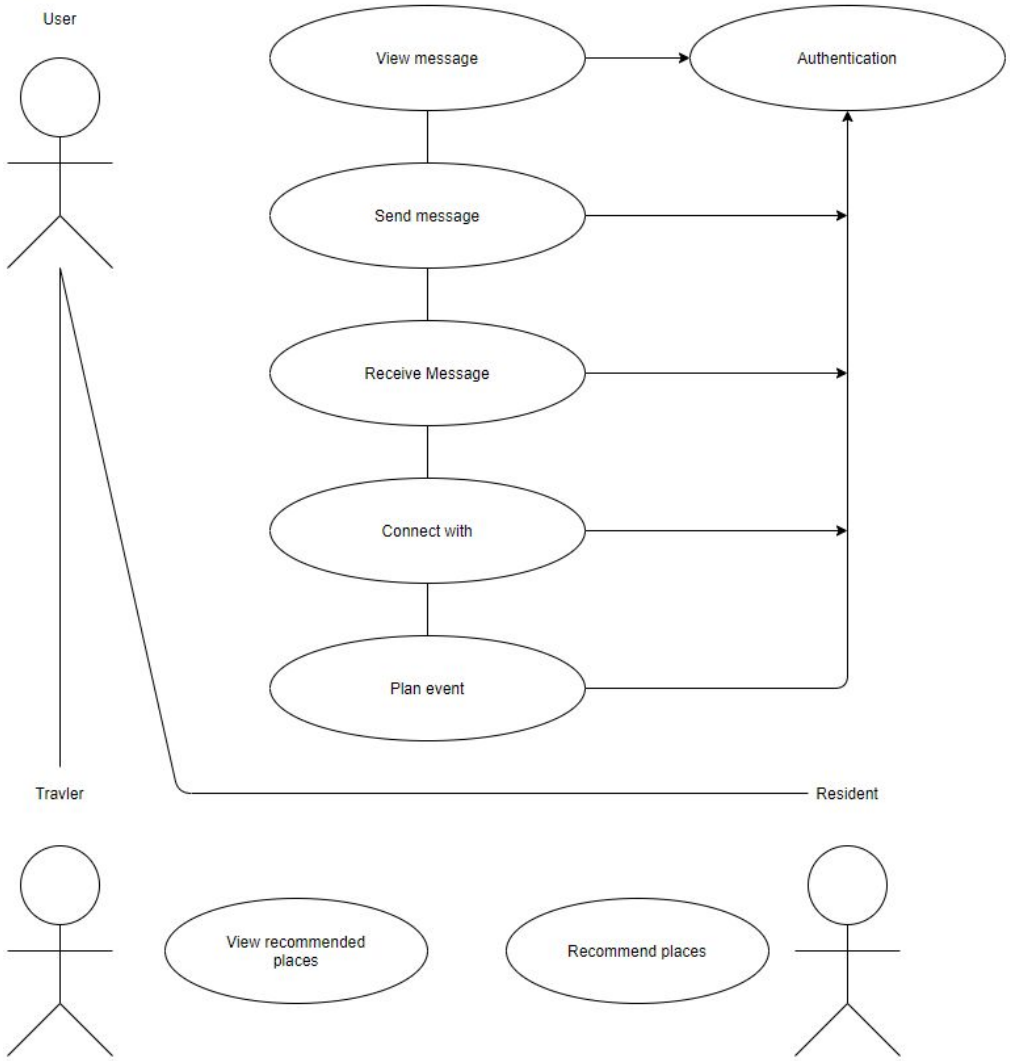
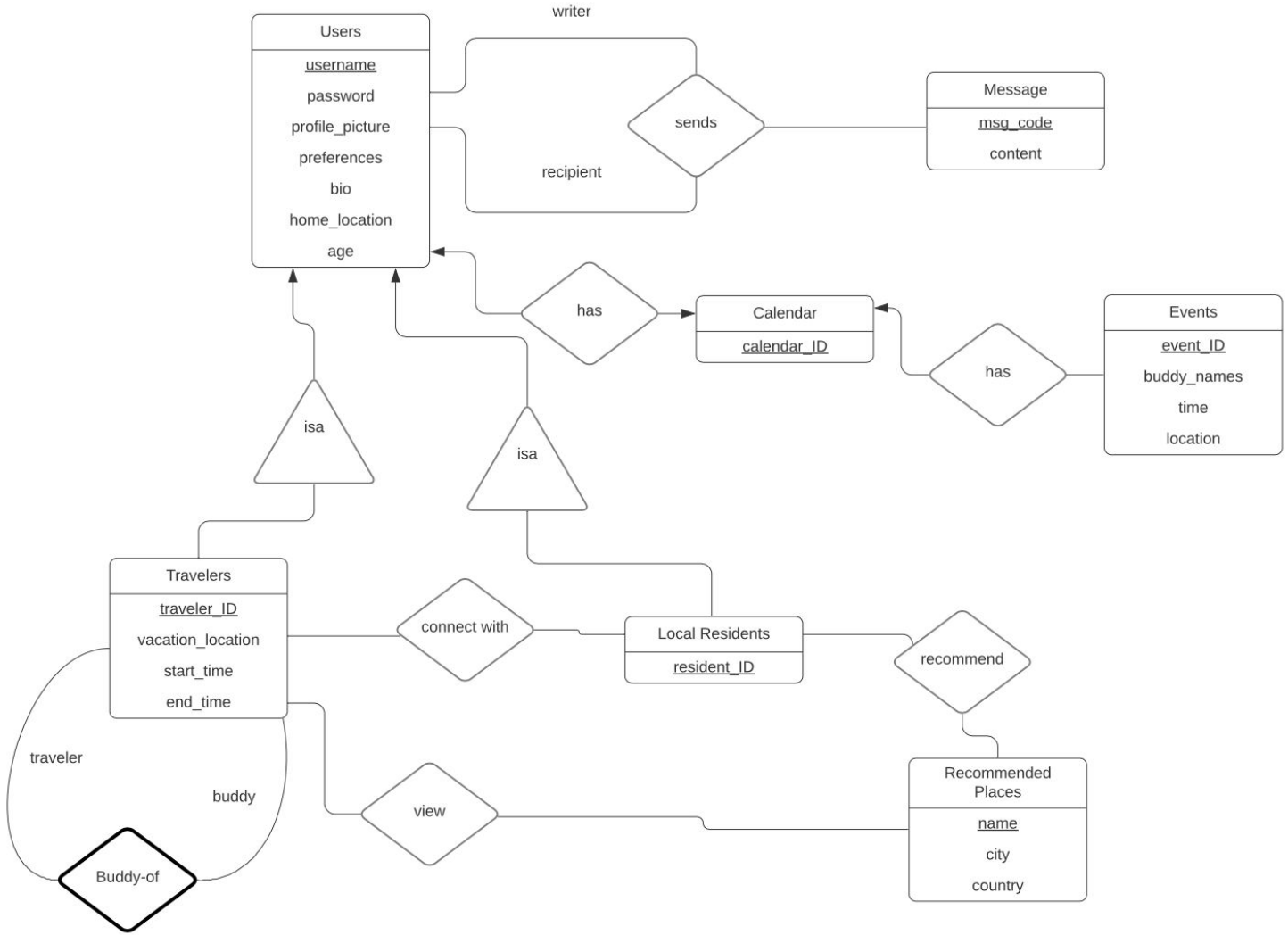
Description

- This app allows travelers to connect with local residents and get recommendations for places to travel
- Travelers can also connect with other travelers to go on traveling trips together
- After connecting, they can message each other and create events

Use Case Diagram


User
View message
Authentication
Send message
Receive Message
Connect with
Plan event
Travler
Resident
View recommended places
Recommend places

E/R Diagram


Users
username
password
profile_picture
preferences
bio
home_location
age
writer
sends
recipient
Message
msg_code
content
has
Calendar
calendar_ID
has
Events
event_ID
buddy_names
time
location
isa
isa
Travelers
traveler_ID
vacation_location
start_time
end_time
connect with
Local Residents
resident_ID
recommend
traveler
buddy
Buddy-of
view
Recommended Places
name
city
country

Relational Schema (Entities)

Users(**username**, password, profile_picture, preferences, bio, home_location, age)

Travelers(**username**, **traveler_ID**, vacation_location, start_time, end_time)

Local Residents(**username**, **resident_ID**)

Message(**msg_code**, content)

Calendar(**calendar_ID**, **username**)

Events(**event_ID**, **calendar_ID**)

Sent(**username**, **msg_code**)

Relational Schema (Many-to-Many)

sent(**username**, **msg_code**)

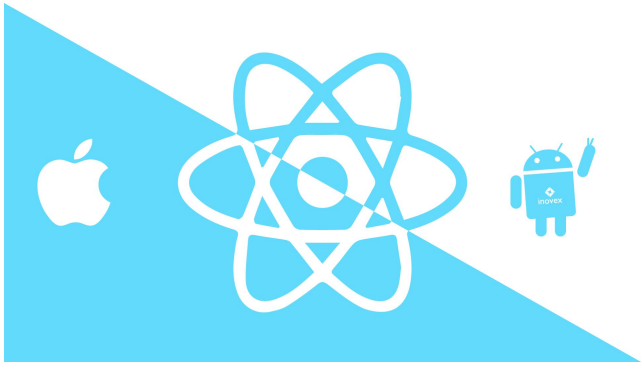
connect_with(**traveler_ID**, **resident_ID**)

view(**traveler_ID**, **place_name**)

recommend(**resident_ID**, **place_name**)

buddy_of(**uTraveler_username, uTraveler_ID, bTraveler_username, bTraveler_ID**)

Implementation Details



- React Native
  - Frontend and UI
  - We both have used React before, so gonna try React Native
- Node.js
  - Backend to fetch data from the database
- MySQL database
  - Relational database for our SQL queries

GitHub Link

https://github.com/kennyjung0223/CSE_111_Project

Questions?