

# MemLoc

## 01/15/2022

## MemLoc

Mythili Karra, Abirami Patchaiyappan, Alexandra Luther, Surya Rani (sm), Case Delst (o)



**MemLoc**  
Find your future

# MemLoc

- We will remind you when you actually need it, at a convenient time and location. No more reminders popping up on your phone at the wrong times and wrong places.

# Project Scope

1. Collect location data from user
2. Location based reminder functionality
3. Notifications based on location data and reminders
4. Have a clean and functional UI

# Sprint 1

## Sprint 1

- user stories
  - 5 - I want to be able to provide my location data for use within the app for future reminder implementation
  - 3 - I want users to be able to interact with the app in a simple and clear way so they can input tasks
- Infrastructure tasks
  - Setting up databases for location data and todo list data

# Sprint 2

## Sprint 2

- user stories:
  - 5 - I want a basic todo list **front end** functionality implemented so that I can input my tasks into a todo list
  - 5 - I want a basic todo list **back end** functionality implemented so my inputted tasks are logged.
- Spikes
- Infrastructure tasks
  - setting up heroku

# Sprint 3

## Sprint 3

- user stories:
  - 7 - I want to connect location data to todolist app so I can have my tasks connected to my location.
- Spikes
  - ui/ux designs (more user friendly and aesthetic)
- Infrastructure tasks

# Sprint 4

## Sprint 4

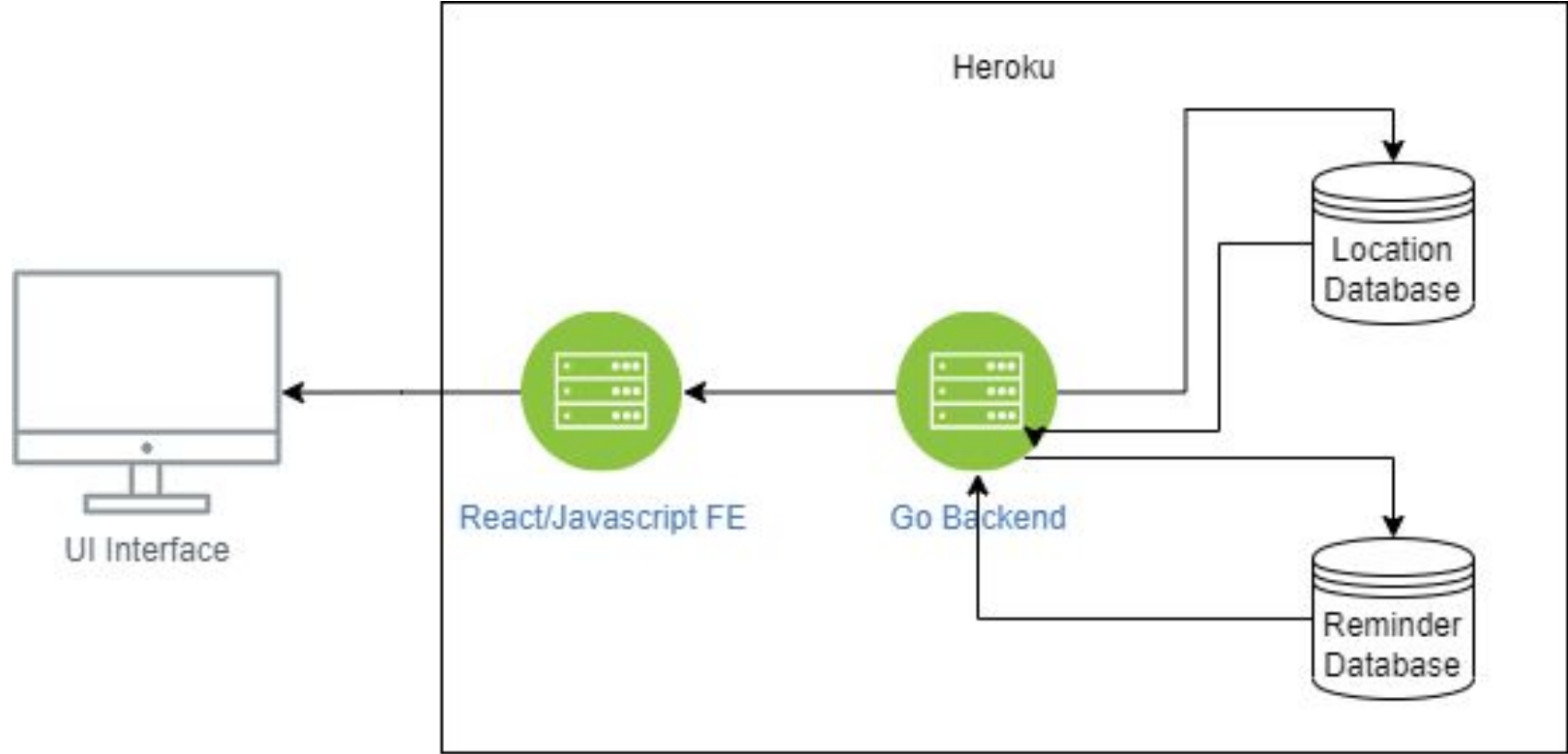
### – user stories

- 7 - I want notifications (i.e. text/email) to be implemented so that I can have notifications sent to me in real time

### – Infrastructure tasks

- 5 - Hosting on Heroku
- 3 - Ensuring web access and certificates

# Architecture





# Technologies

- 1 - Golang (backend)
- 2 - React/Javascript (frontend)
- 3 - InfluxDB (time-series location data)
- 4 - Mongo (general app data)
- 5 - Heroku (hosting)

# Challenges/Risks

- 1 - Unfamiliar technologies
- 2 - Tight time frame for completion
- 3 - Relying on 3rd party location app

# Minimum Viable Product (MVP)

A webapp which tracks a user's location and sends task notifications from the user imputed task list based on the location.