

Team Ducking Awesome

SoftDev1 Pd01

P05 – The Design Document

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|----|--------------|--|
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Project Name – Journey

Communication App: Zoom

Frontend Framework of Choice: [Bootstrap](#)

We decided to use Bootstrap mainly because we have more experience in Bootstrap. We are more comfortable with the grid system of Bootstrap more than Foundation. In addition, all of us prefer the aesthetic of Bootstrap.

Description

Our app intends to recreate the bullet journaling experience online, and add a collaborative aspect to it. Through our app, people will be able to write daily entries and keep track of things in their daily lives like their mood and their sleep schedule. People will also be able to keep up with their friends' daily lives by viewing and commenting on each others' journals to keep social interaction alive during quarantine!

Project Timeline

A. Minimum Viable Product (6/8)

- User is able to create an account and login (6/3)
- User is able to add daily journal entries (6/4)
- User is able to fill in daily trackers (mood, sleep) (6/6)
- User is able to add daily to-do lists (6/8)

B. Expected Product (6/12)

- User is able to add friends and set global viewing permissions (6/9)
- Friends are able to view users' journals and leave comments (6/10)
- User is able view data from trackers in charts (created using D3) (6/12)

C. Additional Features (if time permits) (6/15)

- More trackers (budget, habits, period)
- Personalize journals with pictures/colors/fonts
- Future spreads (bucket list, reading list, watch list)
- Collaborative journals/lists

Breakdown of Tasks

A. Yaru Luo (PM)

- Oversees & plans incremental project development milestones
- Hosts github repo and helps with minor frontend/backend development tasks
- Updates design doc, maintains devlog
- Instructions page

B. Peihua Huang

- Create HTML form that takes user input and stores tracker data in database
- Representation of monthly tracker data in calendars using D3 and Javascript

C. Jackie Lin

- Login/signup feature
- Implement searching for and adding friends feature
- Allow user to set global viewing permissions for friends
- Implement commenting feature on journal entries by friends
- Implement future lists with collaboration feature

D. Tiffany Cao

- Frontend (creation and styling of HTML pages)
- Implement daily journal entry and to-do list feature

Core Components

A. Daily Overview

- a. Journal: users can write a journal entry for the day. They can also choose to view/edit journal entries from other dates.
- b. To-Do List: users can add tasks on their daily to-do list. Tasks can be resolved, edited or removed.
- c. Mood and Sleep Trackers: Users can update their trackers everyday in order to log their mood and the amount of sleep they got. This will happen through a form at the bottom of the Daily Overview tab.

B. Monthly Overview

- a. Graphs: For all the trackers, a monthly overview will be displayed using D3. For example, for a mood tracker, there would be a calendar with each day of the month filled in with the color associate with the user's mood on that day. Users can choose to see overviews from other months.

C. Future Spread

- a. Spread: Users can create future "spreads" or lists in this tab. Each user starts with three default lists: Bucket List, Reading List and To-Watch List. Entries can be added to, deleted from, edited or crossed out on a spread. Spreads may also be renamed or deleted.
- b. Collaborators: Users can add their friends as collaborators to a spread. Collaborators can edit spreads but may not delete them or add other collaborators.

D. Friends

- a. Friends: Users can search up other users and add them as friends (Add Friends tab). Friends and requests will be displayed under the Friends tab. Users cannot view other users' journal entries unless they are friends.
- b. Permissions: users can update the global viewing permissions for which features are visible to their friends. For example, if an user doesn't want friends to see their mood tracker, they can turn off the access for that. Access will be updated through a form under the Friends tab.

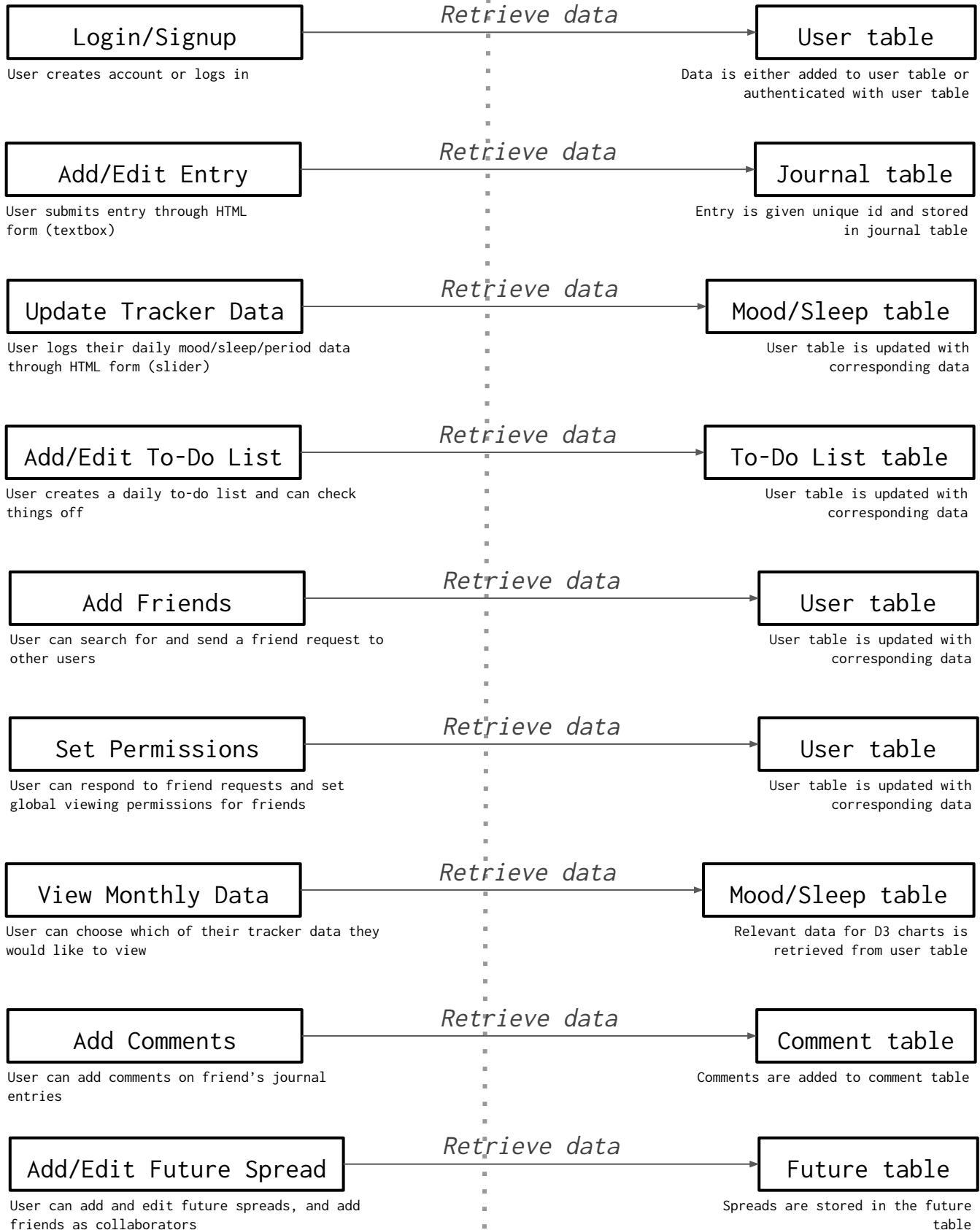
Component Map

MACHINERY

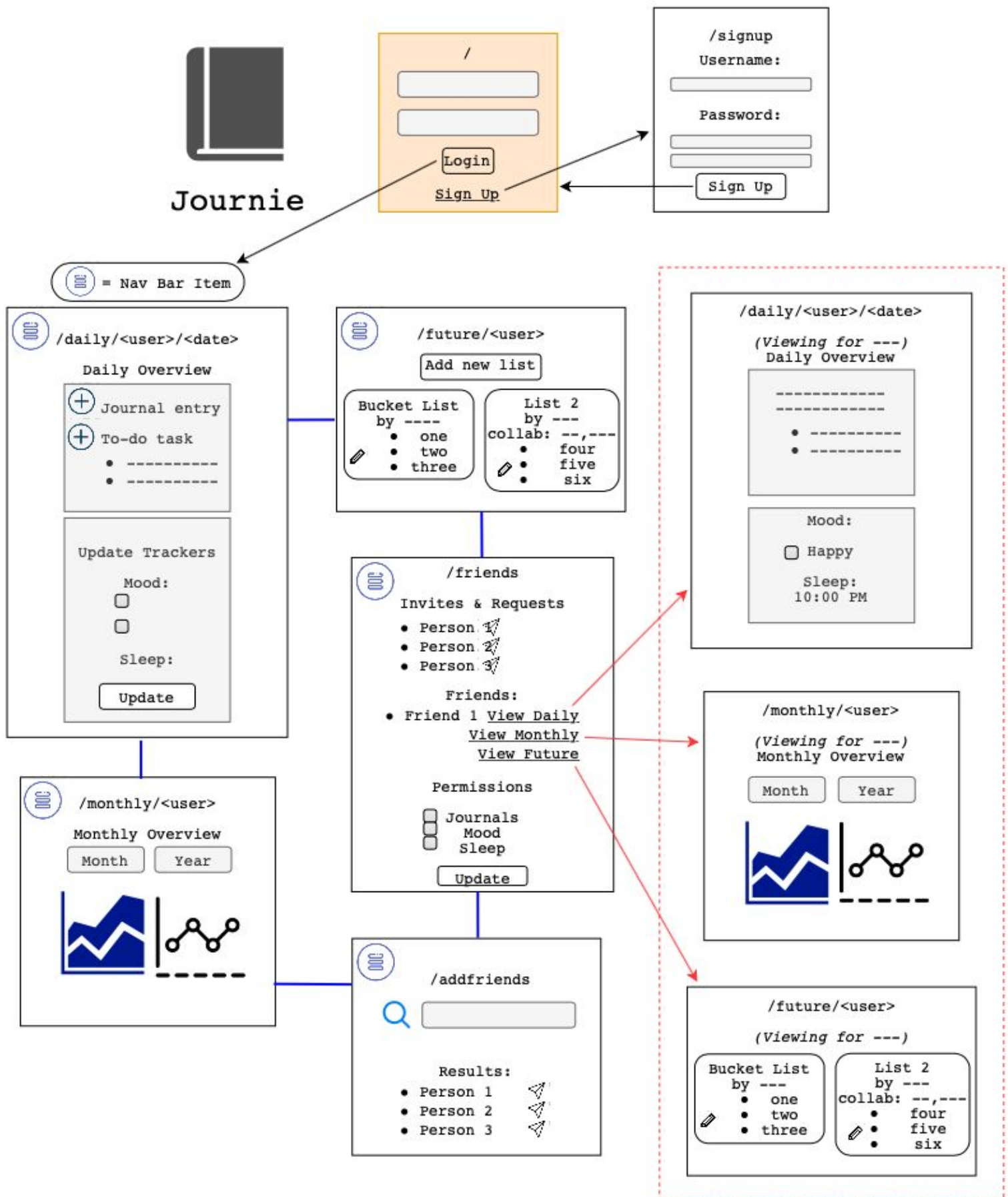
(includes functions, utl folder, templates)

FRONT END (client)

BACK END (server)



Site Map



Database Design

user

| user_id | username | password | permission | friends | requests |
|---------|----------|----------|------------|---------|----------|
| INT | TEXT | TEXT | INT | TEXT | TEXT |

journal

| entry_id | user_id | date | body |
|----------|---------|----------|------|
| INT | INT | DATETIME | TEXT |

to-do list

| entry_id | user_id | date | task | description | time | resolved |
|----------|---------|----------|------|-------------|------|----------|
| INT | INT | DATETIME | TEXT | TEXT | TEXT | INT |

comments

| entry_id | commenter_id | comment |
|----------|--------------|---------|
| INT | INT | TEXT |

mood_tbl

| user_id | date | mood |
|---------|------|---------|
| INTEGER | TEXT | INTEGER |

sleep_tbl

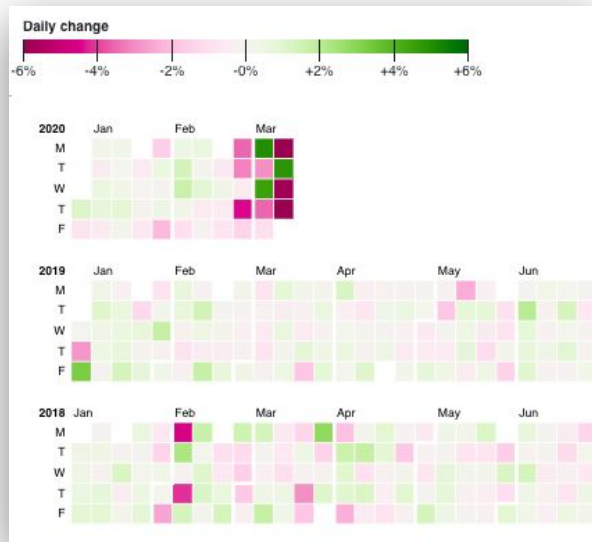
| user_id | date | sleep |
|---------|------|---------|
| INTEGER | TEXT | INTEGER |

future_tbl

| user_id | list_id | type | title | items | collaborators |
|---------|---------|---------|-------|-------|---------------|
| INTEGER | INTEGER | INTEGER | TEXT | TEXT | TEXT |

listitem_tbl

| item_id | item | resolved |
|---------|------|----------|
| INTEGER | TEXT | INTEGER |



Daily log

New tracker



MY PROFILE

user_id: 319243810

username: manhater09

FRIEND REQUESTS



demTits901

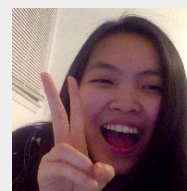
ACCEPT

REJECT

FRIENDS



View
tomatoHater9's
Journal



View
taylorswift13's
Journal

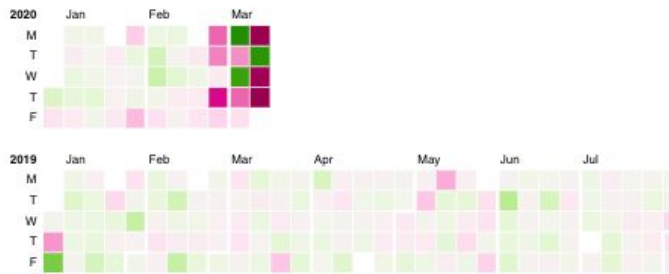
JUNE

v

2020

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Mood Tracker



Sleep Tracker

