

Team Ducking Awesome

SoftDev1 Pd01

P05 – The Design Document

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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 (6/7)

- User is able to create an account and login (6/3)
- User is able to add daily journal entries + to-do lists (6/4)
- User is able to fill in daily trackers (mood, sleep, period) (6/5)
- User is able view data from trackers in charts (created using D3) (6/7)

B. Expected Product (6/10)

- User is able to add friends and set global viewing permissions (6/8)
- Friends are able to view users' journals and leave comments (6/10)

C. Additional Features (if time permits) (6/11)

- More trackers (budget, habits, create-your-own)
- Personalize journals with pictures/colors/fonts
- Future spreads (bucket list, reading list, watch list)

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 (using either D3 or Bootstrap)
- Representation of monthly tracker data in calendars using D3
- Implement commenting feature on journal entries by friends

C. Jackie Lin

- Login/signup feature
- Build database through python script and create functions to retrieve information (backend)
- Flask routing
- Implement searching for and adding friends feature
- Allow user to set global viewing permissions for friends

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 journal entries from previous dates.
- b. To-Do List: users can add tasks on their daily to-do list. Tasks can be resolved or removed.
- c. Trackers
 - i. Basic trackers like a mood tracker and sleep tracker.
 - ii. Trackers are to be updated every day but users can choose not to. This will happen through a form at the bottom of the daily overview, through which users can update all their trackers for the day, such as mood, sleep, and other trackers.

B. Monthly Overview

- a. Users can choose the month and year they want to view at the top of the page. They will press a button to update the page.
- b. Graphs
 - i. For all the trackers, there is a D3 display (in a graph or other visual representation) of the monthly overview. For example, for a mood tracker, there would be a calendar with each day of the month filled in with the color of their mood.

C. Friends

- a. Users can search up the user ID of another user and friend them ("Add Friends" tab). Requests will appear in the "Friends" tab, and users can deny or accept them. Friends can view each other's journals.
- 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 with all the features as checkboxes.

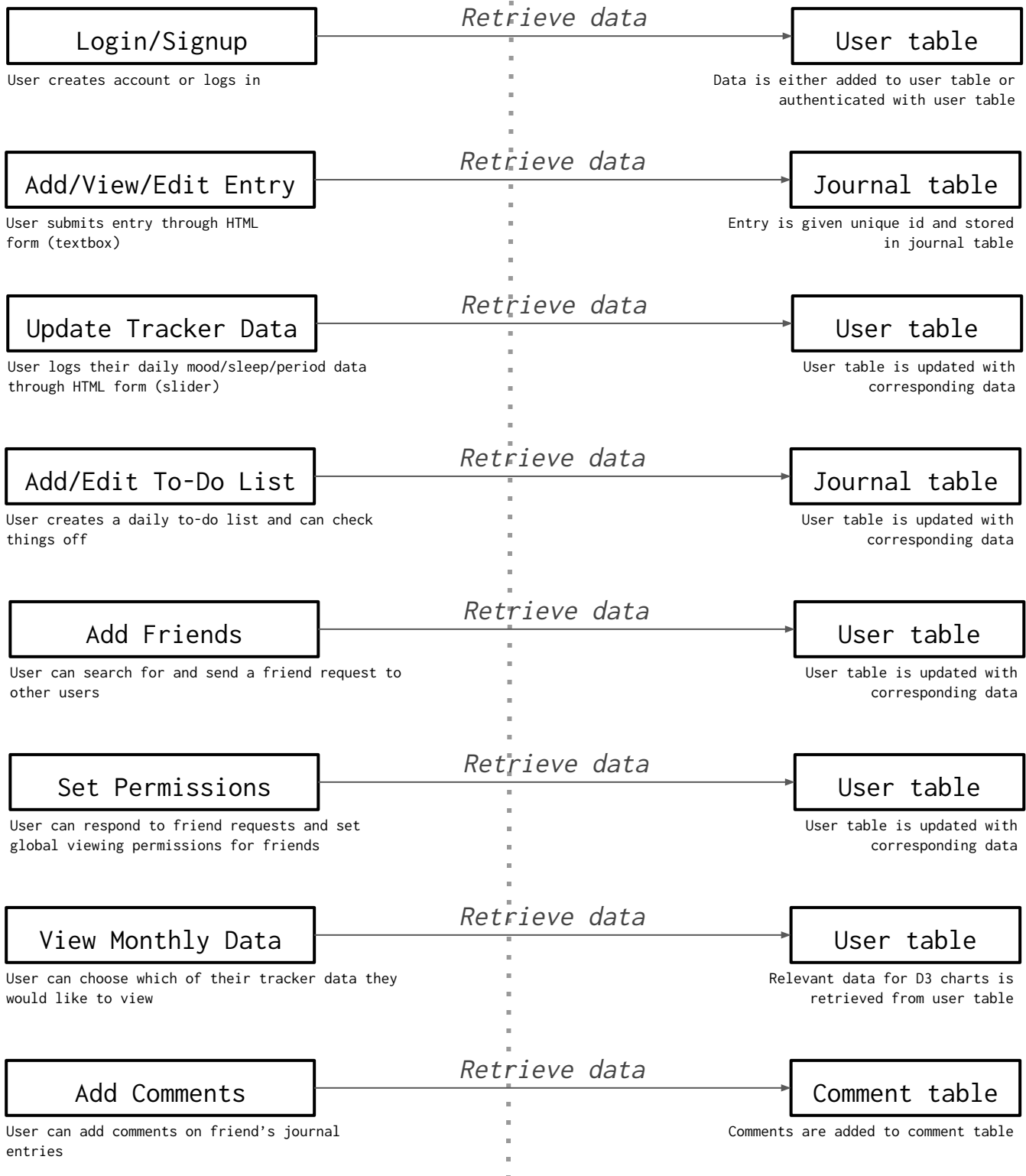
Component Map

MACHINERY

(includes functions, utl folder, templates)

FRONT END (client)

BACK END (server)



Site Map



Journie

/

Login

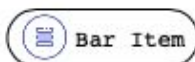
Sign Up

/signup

Username:

Password:

Sign Up



/daily/<user>/<date>

Daily Overview

Journal entry

To-do task

- -----
- -----

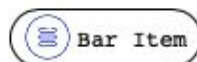
Update Trackers

Mood:

☐

☐

Sleep:



/friends

Invites & Requests

- Person
- Person
- Person

Friends:

- Friend 1 [View](#)

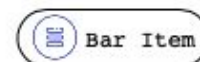
[Add Friends](#)

Permissions

☐ Journals

☐ Mood ☐

☐ Sleep ☐



/daily/<user>/<date>

Daily Overview

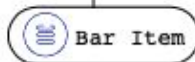
- -----
- -----

Mood:

☐ Happy

Sleep:

10:00 PM



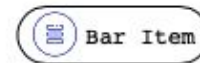
/monthly

Monthly Overview

/addfriends

Results:

- Person 1
- Person 2
- Person 3



/monthly

Monthly Overview

Database Design

user

user_id	user name	password	mood	sleep	period	permission	friends	requests
INT	TEXT	TEXT	TEXT	TEXT	TEXT	INT	TEXT	TEXT

journal

entry_id	user_id	date	body
INT	INT	DATETIME	TEXT

*Each row denotes a new entry. There's only one entry per day.

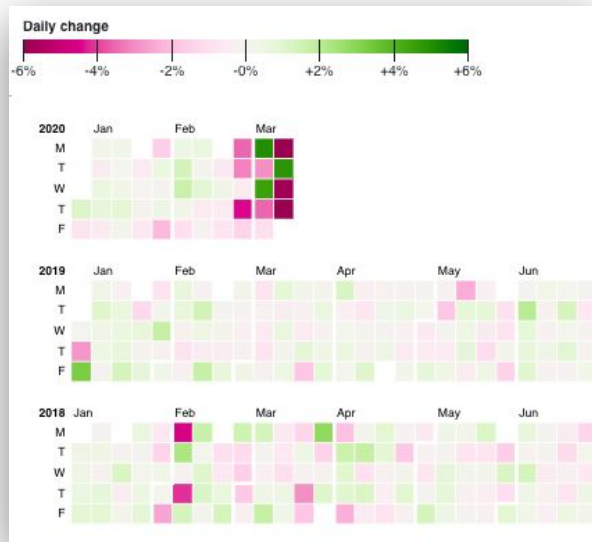
to-do list

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

*Each row denotes a new task. There can be multiple tasks per day.

comments

entry_id	commenter_id	comment
INT	INT	TEXT



Daily log

New tracker



MY PROFILE

user_id: 319243810

username: manhater09

FRIEND REQUESTS



demTits901

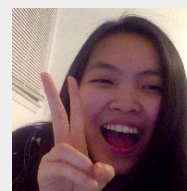
ACCEPT

REJECT

FRIENDS



View
tomatoHater9's
Journal



View
taylorswift13's
Journal

JUNE

v

2020

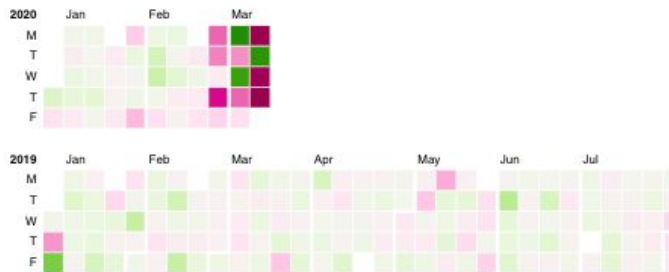
v

Mood Tracker

Happy

Daily change

sad



Sleep Tracker

