

The Hamsters of Destiny - Noakai Aronesty, Hebe Huang, Annabel Zhang, Justin Zou
SoftDev
P01 -- The Hamster Wheel | Design Doc
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Project Description:

Our project is a random profile generator in which users can select from a variety of themes and genres to generate semi-randomized fictional profile pages.

Templates:

Home Page (Logged in vs not logged in):

THE HAMSTER WHEEL Home | <Username> ▼

Welcome <Username> (inspiring message)

LOG OUT

Saved Profiles

Profile Settings

Tell us what kind of profile you'd like!

Choose your TEMPLATE! ▼

Choose your GENRE! ▼

How many FACTS would you like on your profile?

GENERATE!

THE HAMSTER WHEEL Home | GUEST

You are currently using this site as a guest. To save your generated profile, please log in or sign up.

LOG IN SIGN UP

Tell us what kind of profile you'd like!

Choose your TEMPLATE! ▼

Choose your GENRE! ▼

How many FACTS would you like on your profile?

GENERATE!

Profile Templates:

THE HAMSTER WHEEL PROFILE | <Username> ▼

<generated banner>

<generated pfp>

Posts | About | Photos | More

INTRO

> From <city>, <state>

> ...

POST1

<generated caption>

<generated image>

THE HAMSTER WHEEL PROFILE | <Username> ▼

<generated banner>

<generated pfp>

Name

Miles away

<generated description/bio>

THE HAMSTER WHEEL PROFILE | <Username> ▼

<generated banner>

<generated pfp>

Tweets | Media | Likes

TWEET1

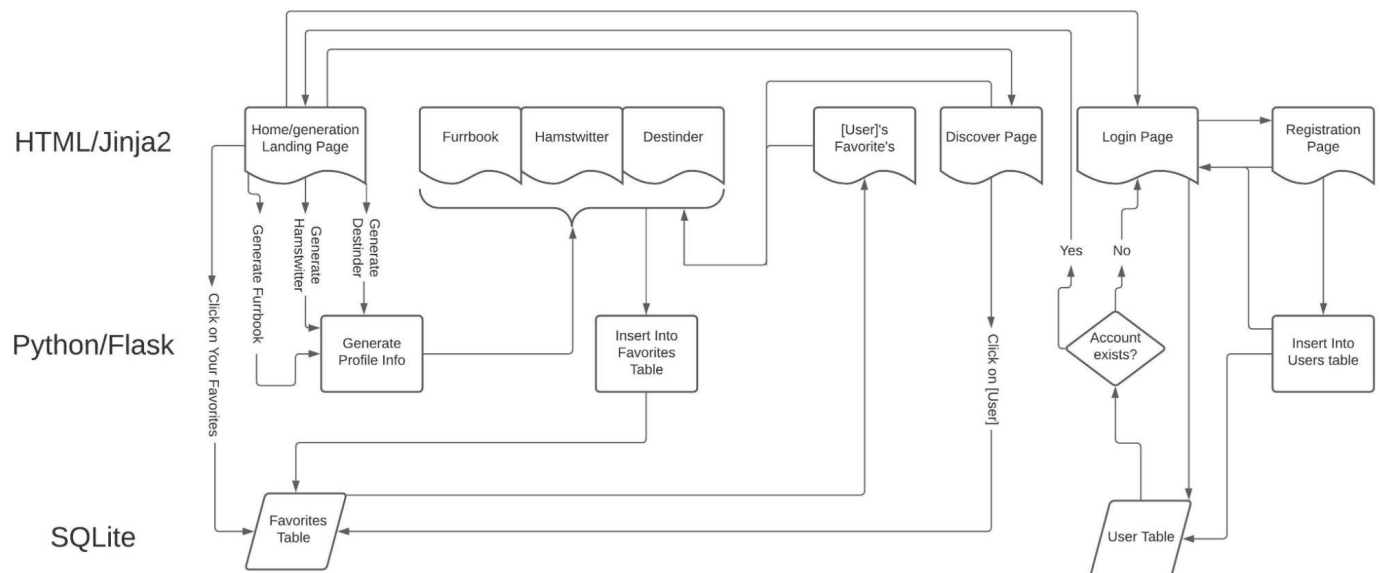
<generated caption>

<generated image>

Program Components:

- Templates
 - Home.html: Landing Page with a button that creates a profile. Has control panel that customizes what profiles come out
 - Profile.html: Page that contains and shows the randomized Profile
 - Login.html: Page users use to login
 - Register.html: Page users use to register
 - Discover.html: Page to find other users and profiles
- Flask App
 - “/”: Renders home.html
 - “/profile”: Handles the profile page
 - “/login”: Handles logging in
 - “/register”: Handles creating new users
 - “/discover”: Renders the discover page
- SQLite database
 - Users Table
 - Saved Profiles Table

Component Map:



Database Organization: (If login is implemented)

Users

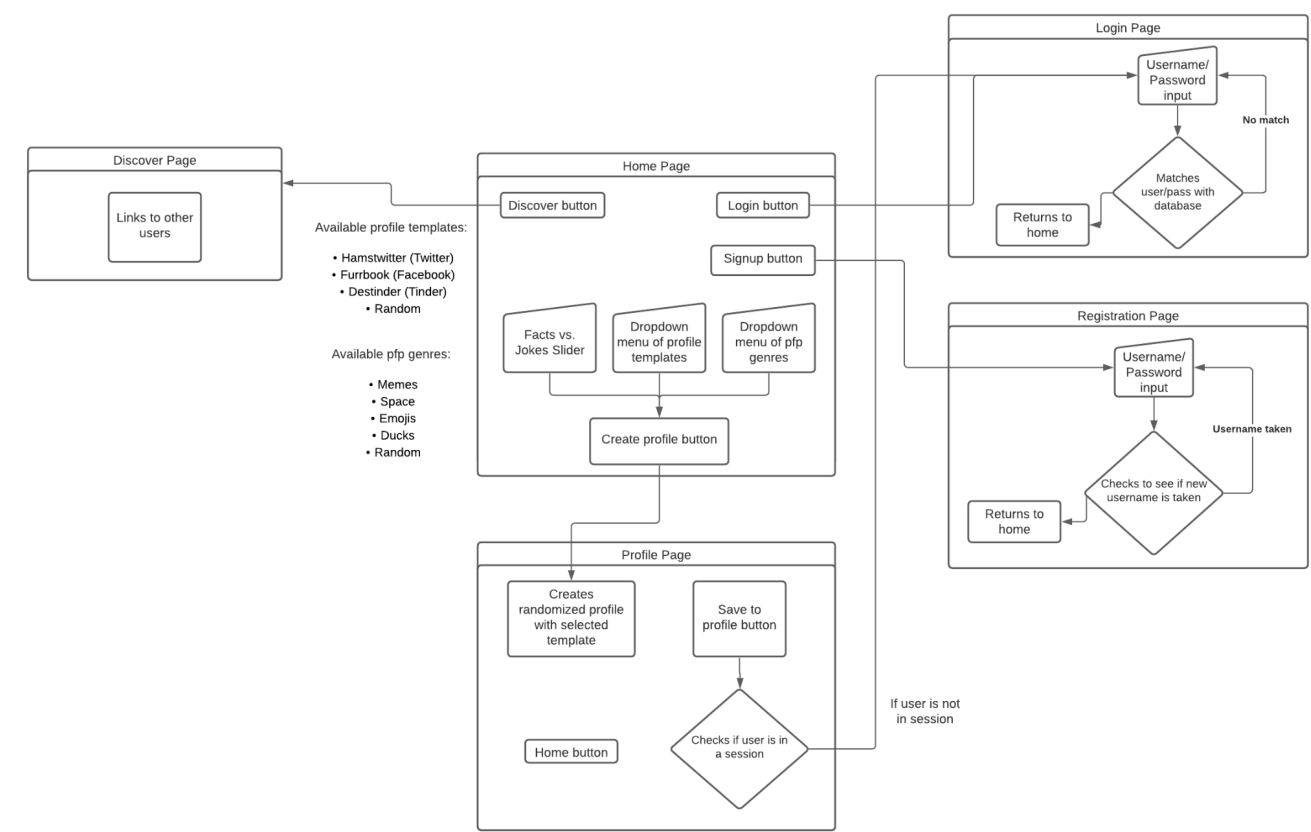
Username	Password	
<username1>	<password1>	<profile1location>

<username1>	<password1>	<profile2location>
<username2>	<password2>	<profile1location>
...

Profiles

ID	[fake] Usersame	[fake] Profile picture	[fake] Profile banner	[fake] Biography	[fake] hobbies	[fake] ...
<profile1ID>	<name1>	<pic1ink>	<ban1ink>	<bio1>	<hobbies1>	<other1>
<profile2ID>	<name2>	<pic2ink>	<ban2ink>	<bio2>	<hobbies2>	<other2>
<profile3ID>	<name3>	<pic3ink>	<ban3ink>	<bio3>	<hobbies3>	<other3>
...

Site Map:



APIs that will be used:

- Text
 - Tronald Dump
 - Open Weather Map
 - Geek Jokes
 - Joke API
 - Cat Facts
 - Open Food Facts
 - Affirmations
 - I Can Haz Dad Joke (use slack format <https://icanhazdadjoke.com/slack>)
- Images
 - Imgflip
 - NASA
 - Emoji
 - Random Duck
 - The Dog API
 - (<https://api.thedogapi.com/v1/images/search> to get around sign-up requirement)

Frontend Framework:

We plan on using Bootstrap, utilizing the easy to import javascript and the clean and easy to use classes in order to make sure the information is properly laid out.

Good Bootstrap Features

- Containers!
 - Put everything in containers: they're magical.
- Alerts are a nice type of container that (may be used for an unintended purpose here but) look very nice and allow access to other colors for containers.
 - Some major displays and profile sections will likely be in Alerts.
- Dropdowns are easy to create, look nice and are user-friendly.
 - Profile templates or other discrete preferences
- Buttons have a lot of support classes for aesthetics and links can be made to look like buttons
 - Navigation between pages
 - Form submission
- Display headings are special text classes that allow for much larger and better headings
 - Title or other large headings
- Forms in bootstrap are supported nicely and come with good-looking default classes.
 - Profile settings/preferences
- Tables and auto formatted (but controllable) columns
 - Positioning different profile or page elements.

Task Division:

- Templates
 - Home.html (**Hebe, Justin**)
 - Login.html / Register.html (**Noakai**)
 - Discover.html (**Hebe**)
 - Profile.html (**Justin**)
 - Make sure each essential part of the profile is there (picture, bio, etc)
 - CSS / Bootstrap (**Noakai, Justin**)
- Python
 - Authentication (**Noakai**)
 - db communication (**Annabel**)
 - Slider for the different customization options (**Annabel, Hebe**)
 - html communication / display (**Noakai**)
 - Generate profiles (**Justin, Hebe**)
 - Taking information from the APIs and putting them on the profile
 - Different profiles based on Customization

TARGET SHIP DATE: Thursday, 12/23/21

Notes:

Revisit design doc requirements

Project Name: The Hamster Wheel (?) like a lottery wheel for randomized choosing

Ideas: (separate into reqs and nice to have)

- Randomize certain sections
- Preferences
- Control Panel:
 - Sliders that limit the randomizations
 - Different profiles based on website i.e facebook
 - Hamstwitter
 - Furrbook
 - Destinder
 - Possible option: User can perhaps put in their own information and then the profile is (partially) generated from that
- Saving the profile
- Maybe looking at other people's profiles
- Maybe add upvote profile feature

Random Profile Generator:

- The profile picture would be a picture from an animal api
- Could use HelloSalut api (returns "hi" in the user's language) to generate different language profiles?
- User can add parts to their profile
- Random Facts/ things that they like

Post-Mykolyk's message:

- Be able to randomize specific part of profile (aka only pfp or only "About" section for example) - noakai
- Save feature for profiles -> create account to save or download option

<https://www.page2images.com/Convert-HTML-to-Image-or-PDF-online-API> <- we could use this api to save profiles?

Potential Future Additions:

Downloading the Profile

Saving the preferences of each User