

The Hamsters of Destiny - Noakai Aronesty, Hebe Huang, Annabel Zhang, Justin Zou  
SoftDev  
P01 -- The Hamster Wheel | Design Doc  
2021-12-7

## Templates:

### Home Page (Logged in vs not logged in):

THE HAMSTER WHEEL	Home   <Username> ▼
<div>Welcome &lt;Username&gt; (inspiring message)</div> <div>LOG OUT</div>	<div>Saved Profiles</div> <div>Profile Settings</div>
<div>Tell us what kind of profile you'd like!</div> <div>Choose your TEMPLATE! ▼</div> <div>Choose your GENRE! ▼</div> <div>How many FACTS would you like on your profile?</div> <div>GENERATE!</div>	

THE HAMSTER WHEEL	Home   GUEST
<div>You are currently using this site as a guest. To save your generated profile, please log in or sign up.</div> <div>LOG IN</div> <div>SIGN UP</div>	
<div>Tell us what kind of profile you'd like!</div> <div>Choose your TEMPLATE! ▼</div> <div>Choose your GENRE! ▼</div> <div>How many FACTS would you like on your profile?</div> <div>GENERATE!</div>	

### Profiles Templates

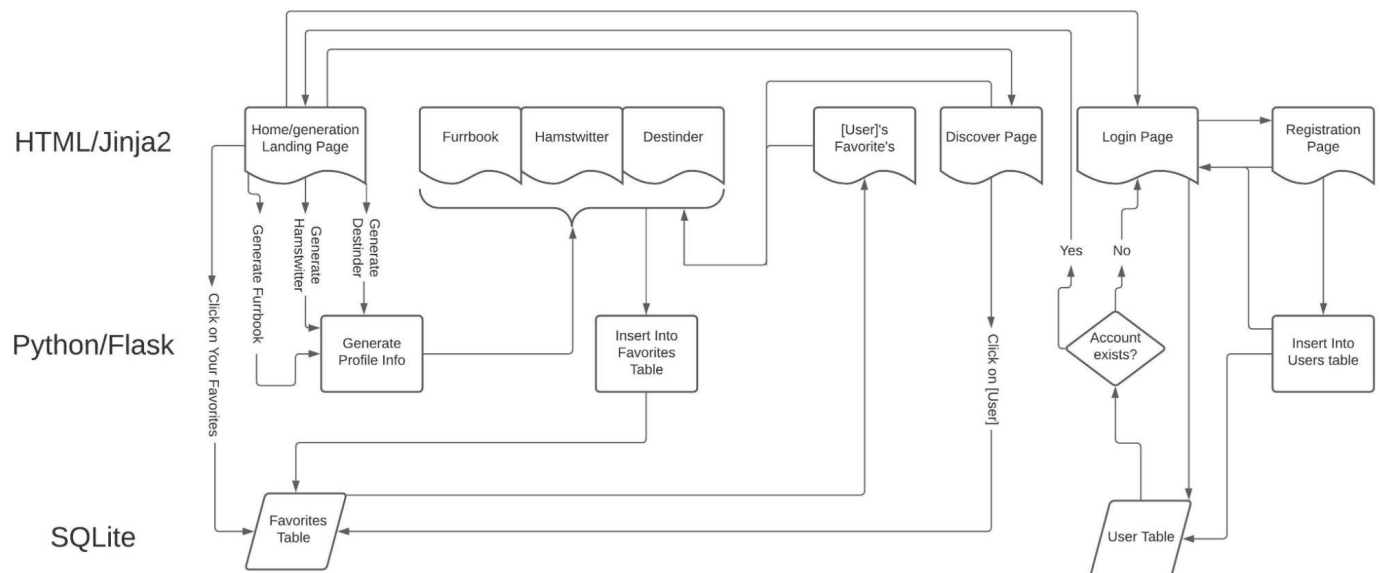
THE HAMSTER WHEEL	PROFILE   <Username> ▼
<div>&lt;generated banner&gt;</div> <div>&lt;generated pfp&gt;</div> <div>Posts   About   Photos   More</div> <div>INTRO &gt; From &lt;city&gt;, &lt;state&gt; &gt; ...</div> <div>POST1 &lt;generated caption&gt; &lt;generated image&gt;</div>	

THE HAMSTER WHEEL	PROFILE   <Username> ▼
<div>&lt;generated banner&gt;</div> <div>&lt;generated pfp&gt;</div> <div>Tweets   Media   Likes</div> <div>TWEET1 &lt;generated caption&gt; &lt;generated image&gt;</div>	<div>&lt;generated pfp&gt;</div> <div>Name # Miles away &lt;generated description/bio&gt;</div> <div><div></div><div></div><div></div><div></div><div></div><div></div></div>

### 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

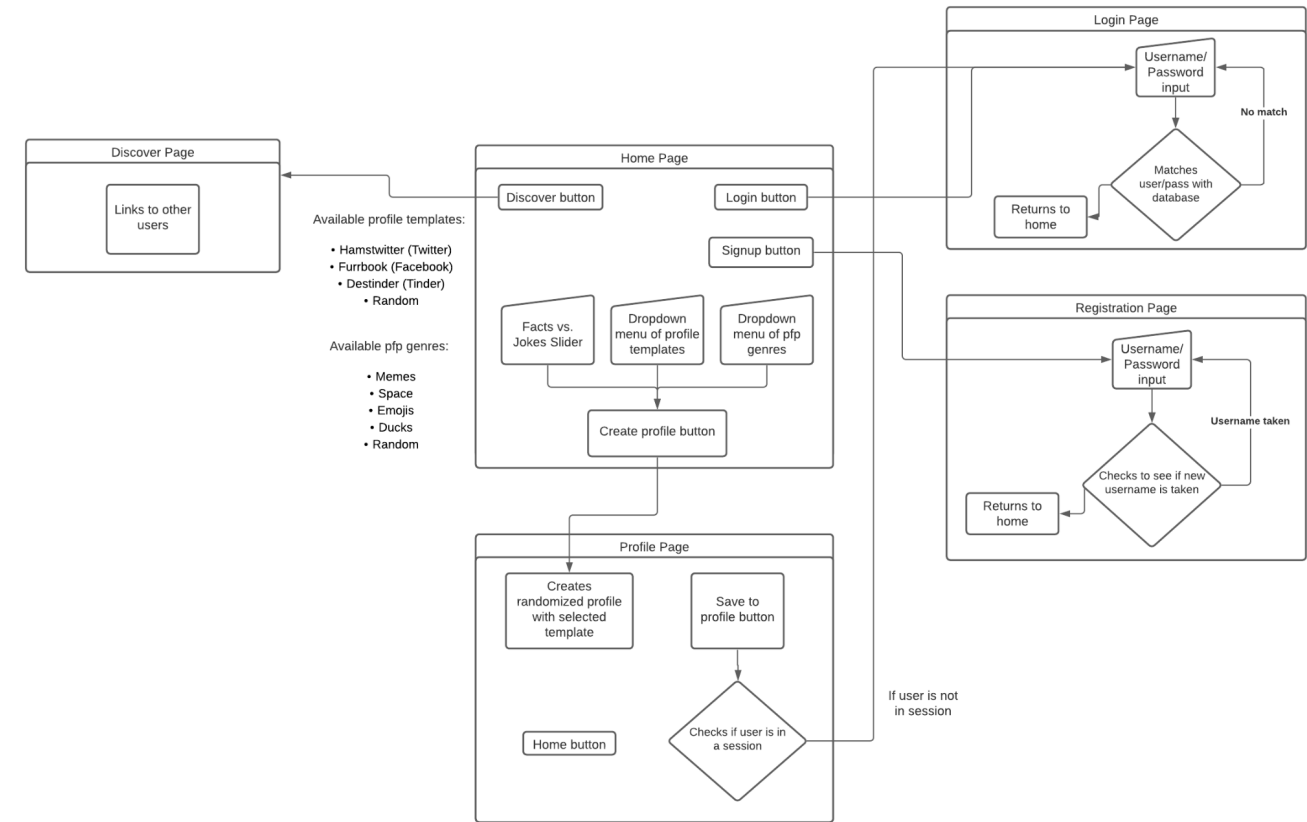
Username	Password
<username1>	<password1>

<username2>	<password2>
...	...

Saved Profiles (optional)

Username	Saved Profiles
<username1>	<profile1info>
<username1>	<profile2info>
<username2>	<profile1info>
...	...

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.
- Dropdowns are easy to create, look nice and are user-friendly
- Buttons have a lot of support classes for aesthetics
- Display headings are special text classes that allow for much larger and better headings
- Forms in bootstrap are supported nicely and come with good-looking default classes.
- Tables and auto formatted (but controllable) columns will be useful for positioning different profile 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