

TEAM FREDMAN

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//PROJECT STAR TRAILS

Welcome to our project: STAR TRAILS. It is a turn-based game. It is a text-based strategy game with the end goal of travelling across the galaxy. It is based on many games, taking inspiration from Oregon Trail, Mario Party, and Star Wars. Whether that be through peace, compromise, or war, it will all be a fun adventure to try to make it to the top.

Story:

Set in 3074, Universe k-03 is under the threat of war. The universe is in constant warfare, stemming from the power struggle between The Rebels, The Empire, and The Pirates. You are a wanderer, capable of traversing planets. Your goal is to travel across the universe to reach a wormhole, where you can escape into a new galaxy.

Gameplay:

1. Begin on home planet: prepare for entering space
 - Pick crew members - each have certain perks and downsides
 - Difficulty level determines starting money and chance of encountering events
 - Buy equipment needed for journey
2. Travel through space
 - Two states:
 - i. On planet: can purchase goods, interact with locals, etc.
 - ii. In space: limited options, resources depleting, chance to get a random event (e.g, pirates invade, your crew gets sick, mutiny, etc).
 - You can change your travel settings: how fast you go, how much you feed your crew, whether your crew likes/dislikes you
3. If you survive and reach the end of the galaxy, you escape and win!

API Cards:

NASA Exoplanet Archive https://exoplanetarchive.ipac.caltech.edu/docs/program_interfaces.html

Dice API <https://docs.google.com/document/d/1pvPPwTMCxs1OyTqh5QbucGXou4OOnOis5HjtIT90W5w/edit>

Experience API <https://docs.google.com/document/d/1EHSYOFTDyqa7Le9ipf-d6sSmDaoOlijXPUGmGp9SwKO/edit>

(third one needs more research, most likely will not implement)

Component Map

/login

STAR TRAILS

Your interstellar adventure awaits!

Login

Name

Password

Go!

Register

Name

Password

Retype Password

Go!

/gamescreen

LOG OUT

IMAGE

SITUATION TEXT

Location

Health

Food

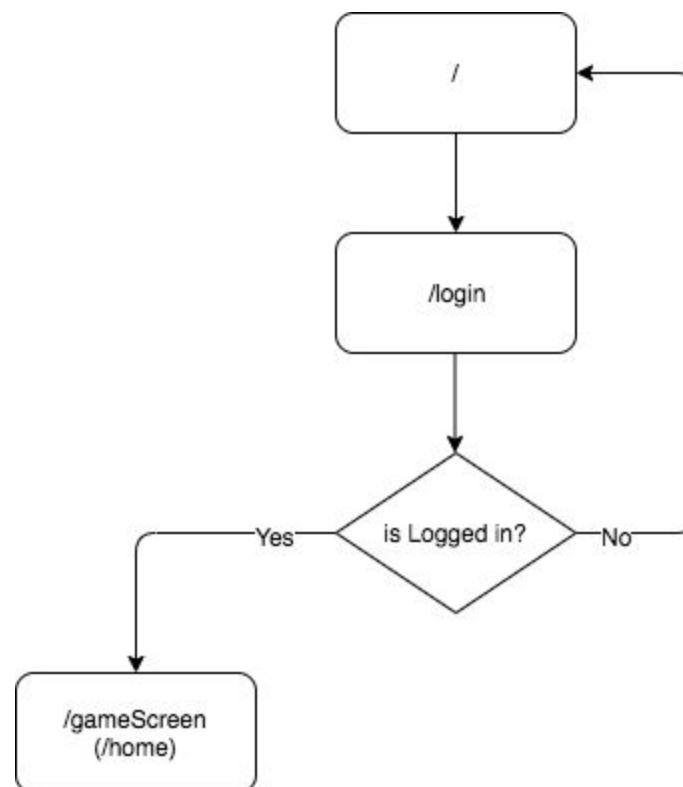
Starship

Number of Planets Completed

Websites

- LOGIN page
 - Classic login and register page
 - Reroutes to GAMESCREEN page once user logs in successfully
 - If played previously, game continues from where player has left off
 - If new, game begins new game
- GAMESCREEN page (aka home page)
 - Main page for UI
 - Displays entire game and options

Site Map



Database Layout

Brief listing: characters, health status, equipment, starship, percentage of journey complete,

Front-end Framework: Bootstrap

Roles:

- Taejoon Kim: Project Manager

- Facilitates workload making QAF posts when needed and making API cards if not existent in the knowledge base
- Connor Oh: Front-end
 - Will work with the css and JavaScript to make website look as concise and pleasing as possible
- Leia Park: Database
 - Will make the database and make methods necessary for reading and changing the database
- Manfred Tan: Back-end
 - Will work with flask and python and help with the JavaScript