Project 2 – Creating a habit tracker – ihabit

Skillsets

* Perl – regex
* Shell scripting
* JavaScript
* Python
* OOD
* Some CSS/html

Things I could learn on this project

* Creating backend using python
* Creating an API
* React?
* More html/CSS
* Routing

Timespan

* 4 months – until end of 2019

Plan

* Envisioning process
* User stories
* User class diagram
* Code up backend, per user story
* Set up API
* Code up frontend – REACT/JavaScript

API

* Going to use python + flask
* https://blog.miguelgrinberg.com/post/designing-a-restful-api-with-python-and-flask

Envisioning

* An website where a person can track their habits.
* Personalised towards the user, so they have their own accounts.
* Statistics page? Shows the progress they’ve made towards their habits/goals
* Can update/remove habits
* Can track habits for the day.
* Admin control

UML class diagram

* User –username, password, email + create new account, log into account, create new habit
* Habit – calendar, streak, current day status, name
* Admin – username, password + remove accounts, view list of accounts
* User manager
* ihabit\_System