Final Project - README

Created by: Vivian Trieu, Ashvi Shah, & Esther Martin

Project Details:

Overview:

This project is a Web App that runs on Flask and Python. Because the application is hosted on Heroku, the files Procfile, Plan, requirements.txt, and runtime.txt has been added in order to run correctly on Heroku.

The purpose of this project was to present information about the languages that we had learned in class (Python, Racket, and Haskell) in an educational Web App format. Each individual group member coded linked lists, stacks, queues, and binary search trees in each respective language to be used as example code on the website. In addition to the supplementary code, the entire project is written using Python, HTML, CSS, and the Flask framework.

Requirements:

If ran locally, Flask version 1.0.2 and Python 3.7.2 is required. Otherwise, no requirements needed.

How to run the project:

The web application is being hosted on http://prinprog.herokuapp.com/. You may access all web pages on this site.

Alternatively, to locally host the project, you may run `python webpage.py` on the terminal. This would run the project on localhost (0.0.0.0) on port 5000.

Navigating through the site:

The homepage of the site shows an overview of the entire project. The boxes on the page allows a user to navigate the site depending on which paradigm he/she would wish to visit. Each paradigm will lead to informational pages that will include links to each language that falls under that paradigm. On the language pages, data structures we chose to include (stacks, queues, linked list, binary search trees) will be available to click on to learn more about its implementation in each language. Additionally, the user may choose to click on the data structures link to learn more about each data structure that was included specifically on the site. To make things easier, a Back to Main link is included at the bottom of every page to allow the user to return back to the homescreen and navigate through to other pages, as well as view more pages to allow the ease of navigating through pages.