ScrumBuddies – [Sustainability Game]

Overview

This technical document is set to lay out all relevant information about the source code for [Sustainability Game]. All source code has been included in the ZIP file. The instructions on deploying the deploying the software will also be provided in this document.

Source Code Structure

Below is the structure of [Sustainability Game], with all of the most significant files and folders displayed:

/Sustainability-Game

/members

/\_\_pycache\_\_

/migrations

/\_\_pycache\_\_

\_\_init\_\_.py

0001\_initial.py

0002\_profile\_points.py

0003\_profile\_completed\_tasks.py

0004\_alter\_profile\_completed\_tasks.py

0005\_remove\_profile\_completed\_tasks.py

/templates

delete.html

login.html

privacy\_policy.html

profile.html

register.html

update\_password.html

update\_user.html

\_\_init\_\_.py

admin.py

apps.py

forms.py

models.py

tests.py

urls.py

views.py

/myEnv

/Lib

/Scripts

pip-selfcheck.json

pyvenv.cfg

/ScrumBuddies

/\_\_pycache\_\_

\_\_init\_\_.py

asgi.py

settings.py

urls.py

wsgi.py

/static

/css

/img

/Sustain

/\_\_pycache\_\_

/migrations

/\_\_pycache\_\_

\_\_init\_\_.py

/templates

base.html

index.html

learning.html

navbar.html

\_\_init\_\_.py

admin.py

apps.py

models.py

tests.py

urls.py

views.py

/tasks

/\_\_pycache\_\_

/migrations

/\_\_pycache\_\_

\_\_init\_\_.py

0001\_initial.py

0002\_task\_answer.py

/templates

tasks.html

\_\_init\_\_.py

admin.py

apps.py

forms.py

models.py

tests.py

urls.py

views.py

.gitignore

db.sqlite3

manage.py

README.md

The Django backend system is compartmentalised into various aspects of the web app. The Sustain Folder is the default folder, in which all of the basic templates for the rest of the web app to use are stored. This includes the HTML files that hold the basic layout of the web page and the navigation bar. The members folder holds all of the information about the users. This includes the account creation system, the account login system, the account deletion system, etc. The folder also includes an extension to the Users class – which is provided by Django and cannot be directly changed. The tasks folder includes all aspects of the challenges that the users will have to complete. This includes a class identifying the type of tasks that must interact with, as well as a class which holds all the information about one specific task.

Deployment Instructions

Prerequisites: Django must be installed (<https://docs.djangoproject.com/en/4.2/topics/install/>)

The web app runs using the Django backend system. This means that it can be run on a local machine by running the command ‘python manage.py runserver’ on the command line in the ‘Sustainability-Game’ directory. The user can then type in the URL 127:0:0:1:8000, which will take them to the main website.

Authorship Identification

Authors:

* Charlie Silver
* Luke Hales
* Achille Fossiez-Revenu
* Gregory Goursaud
* William Smith
* Liam Buchanan

Coding Conventions

Python:

* 4 spaces per indentation.
* No whitespace in expressions and statements.
* Different types of imports are on new lines.
* Functions use underscores and classes follow the CamelCase convention.
* Comments explaining functionality of code.

HTML:

* Tags are indented when one element is inside another and indented by 4 spaces.
* Double quotes for attribute values.
* Attributes are in a consistent order.
* Comments explaining functionality of code.