A Web App called nearby

This is a web app about a project for CS242

Abstract

Project Purpose

Help people find friends with same interests nearby, when they are out for study, work, etc.

Project Motivation

Would like to play cod16 but hard to find teammates.

Technical Specification

- Platform: tornado
- Programming Languages: Python
- Stylistic Conventions: Airbnb JavaScript Style Guide

Functional Specification

Features

- Everyone can post their information on the website with specific hashtags.
- User can search the hashtag to get relevant information
- Allow users to listen to music cross platforms

Scope of the project

- Anonymous now, may need to login later

Brief Timeline

- Week 1: Construct the basic web page and components with basic UI. Users should be able to put their information.
- Week 2: Implement hashtags and search functions for hashtags. System only store 1000 most recent posts.
- Week 3: Improve UI, use apis to allow users search music.
- Week 4: Allow users to select and play the music.

Rubrics

Week 1

Category	Total Score Allocated	Detailed Rubrics
Function homepage	4	0: Didn't implement anything 1: implemented basic structure 3: implemented homepage 4: completed homepage and UI
Function user page	2	0: Didn't implement anything 1: implemented relevant pages 2: completed UI
Function post	4	0: Didn't implement anything 1: implemented post form 3: implemented post UI 4: completed function post
Test error	6	0: Didn't implement tests 1: implemented homepage test with error handling 6: completed test a
Test manual	4	0: Didn't implement tests 1: implemented manual test 4: completed test manual test

Week 2

Category	Total Score Allocated	Detailed Rubrics
Function hashtags	5	0: Didn't implement anything 3: implemented hashtags when posting 5: completed function hashtags
Function search	6	0: Didn't implement anything 3: implemented search UI and input 6: completed function search hashtags
Function view	5	0: Didn't implement anything 1: can return sth without error 3: return desired information with hashtags 5: return hashtags inside 1000 range
Test hashtag	6	0: Didn't implement tests 6: completed hashtag test
Test view	4	0: Didn't implement test 4: completed manual test view

Week 3

Category	Total Score Allocated	Detailed Rubrics

Function Music page	4	0: Didn't implement anything 1: implemented page 3: implemented UI 4: completed page
Function search music	4	0: Didn't implement anything 2: implemented search form 4: completed function search music
Function return value	6	0: Didn't implement anything 3: return url for music 5: return url for music from different resources 6: completed function return value
Test a	6	0: Didn't implement tests 6: completed test music page
Test search	6	0: Didn't implement tests 6: completed test search

Week 4

Category	Total Score Allocated	Detailed Rubrics
Function play	8	0: Didn't implement anything 4: can play with returned url 8: can played in music page
Function contact	8	0: Didn't implement anything 4: implemented show information of contact to user

8: can send alert to user's email

Test play music	6	0: Didn't implement tests 6: completed test play music
Test contact	8	0: Didn't implement tests 4: can let user to contact with given information 8: automatically alert user, finish test contact