

Group Assignment 3 - Prototyping API calls

Team 20

Introduction

According to an article by The Post, “each week, 62 million Americans tune into podcasts” During the pandemic, there has been a tremendous increase in screen time and there is a rising necessity for indoor activities that allow you to take a break from the screen. Podcasts provide a hands-free experience and could potentially allow users to enjoy discussions about their interests in a laid-back atmosphere. Our web application aims to provide users with a platform to interact, explore and enjoy podcasts by integrating their Twitter profile and recommending podcasts based on the people they follow.

Technology Stacks

Stacks we considered

As we progress through the process of creating our web-application, an important step was to choose our technologies. The team initially considered three technology stacks namely Django, Ruby on Rails and Heroku. We wanted to work with a stack which everyone was familiar with but more importantly, one which was best suited for our desired application.

Stacks we selected

After considering all the pros and cons, we ended up choosing Django and Heroku as the majority of the members of the group were most comfortable with Python. However, the more convincing reasons for choosing Django are as follows:

- Our web application uses an API backend.
- Our application is still developing and we need to make changes quickly and easily as we move ahead.
- Since we are using Twitter's profiles, we need to have a secure platform safe from attacks and vulnerabilities.
- We wanted to use a stack that has good documentation in order to help us find solutions during development.