

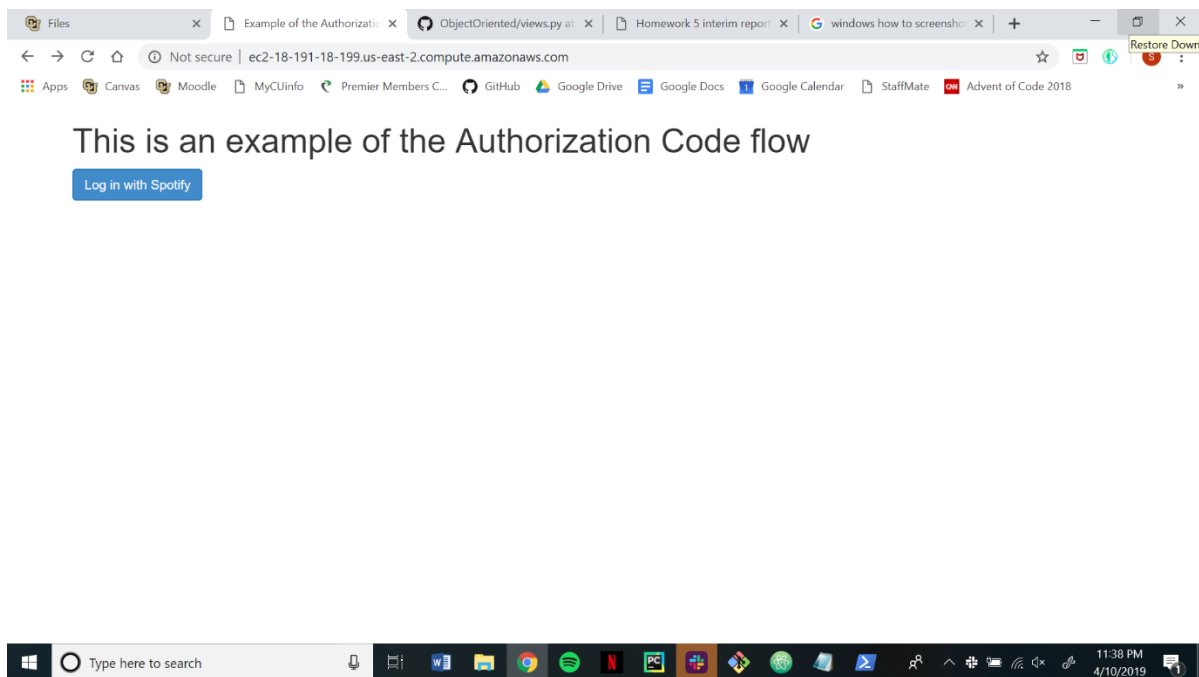
## Homework 5: Interim Project Report


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### Summary:

- A large part of the first two weeks of our project have been spent setting up our web server. We decided to use Django to run our web application, so we have spent time learning how to use this. In addition to setting up the framework of our site, we have also added code that allows the users to sign in to Spotify and authorize our application to access their profile information. After users log in, we are able to access their profile and get all of their playlists using the Spotify API, Python requests library, and Python Spotipy library.
- The next steps for the project are to allow the user to select one of their playlists to be optimized. From there, our app will use the Spotify API and Echo Nest to recommend songs to be added and removed from the selected playlist. We can then add or delete these songs using the Python Spotipy library. In addition to adding this functionality, we need to add some CSS to our HTML code in order to make our site more visually pleasing.
- We have been unable to incorporate design patterns into our current system, as the majority of our work so far has been setting up the web page and accessing user's Spotify accounts.
- Screenshots (keep in mind, as we mentioned earlier, we have not yet added any CSS to make this visually appealing):

The first page the user is presented





To continue, log in to Spotify.

**LOG IN WITH FACEBOOK**

OR

☒ Remember me **LOG IN**

[Forgot your password?](#)

**Don't have an account?**

**SIGN UP FOR SPOTIFY**

If you click "Log in with Facebook" and are not a Spotify user, you will be registered and you agree to Spotify's [Terms & Conditions](#) and [Privacy Policy](#).

A screenshot of a web browser showing the Spotify authorization page. The address bar displays the URL: https://accounts.spotify.com/en/authorize?client\_id=0ffe4f5e083f464f8ad6061cd80785ca&response\_type=code&redirect\_uri=http%3A%2F%2Fec2-18-191-18-199.us-east-2.compute.amazonaws.com%2Fcallback%2F&sc... The page features the Spotify logo at the top. Below it, the app name 'TidyTunes' is displayed with a dropdown arrow. The text 'You agree that TidyTunes will be able to:' is followed by a section titled 'View your Spotify account data' with a 'Learn more' link. A note states: 'You can remove this access at any time at spotify.com/account.' Below this, it says: 'For more information about how TidyTunes can use your personal data, please see TidyTunes's privacy policy.' The user is logged in as 'samster33' (with a link 'Not you?'). At the bottom, there are two large buttons: a green 'AGREE' button and a grey 'CANCEL' button. The Windows taskbar is visible at the bottom of the screen.

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