

app.py

```
1 | import urllib.parse
2 | from flask import Flask, redirect, url_for, render_template
3 | from dotenv import load_dotenv
4 | import os
5 | import spotipy
6 | import urllib
```

- imported necessary libraries and packages

```
30 | #authenticate user
31 | @app.route('/login', methods=['POST'])
32 | def login():
33 |     #permissions
34 |     scope = 'user-read-private user-read-email'
35 |
36 |     params = {
37 |         'client_id' : client_id,
38 |         'response_type' : 'code',
39 |         'scope' : scope,
40 |         'redirect_uri' : REDIRECT_URI,
41 |         'show_dialog' : True
42 |     }
43 |
44 |     auth_url = f"{AUTH_URL}?{urllib.parse.urlencode(params)}"
45 |
46 |     return redirect(auth_url)
47 |
```

- route for user to authenticate,
- scope holds the necessary permissions to accomplish something with the spotify api, for right now, the end goal for sprint 1 is to get the user's display name so "user-read-private" and "user-read-email" are the only scopes necessary
- a dictionary is created with all the necessary information for the user to log in, this dictionary is then added to the authorization url, this final authorization url is what the user is redirected to in order to log in

index.html

```
1 | {% extends "base.html" %}
2 |
3 | {% block head %}
4 | <title>Semicolon Expected</title>
5 | {% endblock %}
6 |
7 | {% block body %}
8 | <h1>hi</h1>
9 | <form action='/login' method="post">
10 |     <input type="submit" value="click here to log in with spotify">
11 | </form>
12 | {% endblock %}
```

- lines 9-11 create a button which sends the user to the authorization page created on the last step

SUMMARY

homepage now displays a button which redirects the user to the spotify log in page