Added 3 new classes:

```python
class_location = "classes.json"

def load_class_file():
    try:
        with open(class_location, "r") as f:
            data = json.load(f)
        return data.get("classes", [])  # Return list of classes
    except FileNotFoundError:
        return []

#EMAIL_CLASSES = load_class_file()

def load_classes():
    with open(class_location, "r") as f:
        data = json.load(f)
    return data["classes"]

def save_classes(new_classes):
    with open(class_location, "w") as f:
        json.dump({"classes": new_classes}, f, indent=4)
```

Load Class File loads the file (JSON). This is where we store our classes.
Load Classes does the same thing but, it is used to load classes as well.
Save Classes saves the classes when we add in a new class from API.

```python
def compute_embeddings():
    embeddings = load_class_file()
    embeddings = model.encode(embeddings)
    return zip(load_class_file(), embeddings)
```

Here I insert the load_class_file so that it dynamically loads the JSON file and returns the results.

Here is the first time I run the app with predefined existing classes:

ops_sentiment_lab > {} classes.json > [ ] classes

```
{
    "classes": [
        "sarcastic",
        "mad",
        "strong",
        "weak",
        "test",
        "tryhard",
        "faster"
    ]
}
```

127.0.0.1:3000/api/v1/classify-email/?text="corner"

Pretty-print


```
{
  "classifications": [
    {
      "class": "mad",
      "similarity": 0.2336481809616089
    },
    {
      "class": "faster",
      "similarity": 0.20578311383724213
    },
    {
      "class": "sarcastic",
      "similarity": 0.19738560914993286
    },
    {
      "class": "test",
      "similarity": 0.14208967983722687
    },
    {
      "class": "weak",
      "similarity": 0.09770800173282623
    },
    {
      "class": "tryhard",
      "similarity": 0.09255391359329224
    },
    {
      "class": "strong",
      "similarity": 0.07604916393756866
    }
  ],
  "message": "Email classified"
}
```


Then when I add in a new class:

```
Brandon Vang@Brandon-V MINGW64 ~/Desktop/MLOPS/Homework 2/mlops_sentiment_lab (main)
$ curl -X POST http://127.0.0.1:3000/api/v1/add-classes/ -H "Content-Type: application/json" -d '{"class": "code"}'
{
  "classes": [
    "sarcastic",
    "mad",
    "strong",
    "weak",
    "weak",
    "test",
    "tryhard",
    "faster",
    "code"
  ],
  "message": "Class added successfully"
}
```

Now when I call to the API again in the browser, it now shows code as one of the new classes: