**SI 507**

**Final Project**

**Project Code**

Link to github:

**README**. I intended to create interactive program that users can find an info about a movie, like when the movie was filmed, who was the main actor/actress, who was the director of the movie and the picture of the movie.

The users will be able to look at the movie's trailer from YouTube.

In order to achieve my goal, I scraped and crawled the IMDB then using sql created movie database. Finally, I used flask which created an html with top ten movies from IMDB with their pictures, director, year of the movie and etc. Then If you want to watch the trailer of the movie you click the picture and it will directly take you to YouTube.

**Python Packages:**

beautifulsoup4, certify, chardet, Click, Flask, idna, itsdangerous, Jinja2, MarkupSafe, requests, urllib, Werkzeug.

**Data Source:**

In general I have crawlimdb.py, database.py, project\_run.py, secrets.py, test.py, youtubeAPI.py and cache.json, imbd\_movie.db, movie\_data.csv, detail.html, index.html. I used caching: A close up of a newspaper

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**DATABASE:**

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MovieLinkGenre is a foreign key in Movie table.

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Presentation:

For presentation I am using flask. The flask will create an html with top ten movies (check the screenshot) with information about the movie and the user can click the pictures to watch the trailers of the movies.

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