Python Assignment

1.The project consists of three components:

* The entities: Movie.py
* The Modules: Subscene.py
* The Main: Movie\_sub.py

2. Entities: Movie.py

* Consists of the class movie
* The class consists of the attributes of folder, movie name, release year, sound and video
* A constructor to initialize the attributes
* Getter for the attributes

3.Modules: Subscene.py

* First Method: Get List of movies🡪Get all the list of the movies from the movie folder
* Second Method: Get Movie Page🡪 Go to the URL for the movie for the English language. The method firstly searches the movie with the release date. If not found then it searches the movie without the release year. If both is not found, it throws an error.
* Third Method: get Html Page🡪Uses Beautiful Soup to search for the html page which contain the link for the movie with the English subtitle. Activation of the link to go to the specific download page where it contains the download subtitle button.
* Fourth Method: Get Web Page from First Download Link🡪Activate the download link to reach subtitle button.
* Fifth Method: Download Subtitle for movie🡪Uses beautiful soup to reach the html page which contain the download href to download the subtitle of the movie with the English subtitle.
* Movie path is parameterized.
* Sixth Method: Activate Download link: Activate the download link once found. The method will download the subtitle in a zip file and hence it also extracts the zip file and store each subtitle in its respective movie name folder.

3. Module MovieSub.py

* Contain all the methods to be called.
* Contain the daemonize part:

🡪Start the daemon: python3 movie\_sub.py start English pathToDirectory

🡪Stop the daemon: python3 movie\_sub.py stop

4.Extenal Libraries:

* Requests
* BeautifulSoup