

# OTT - ASSIGNMENT

## ABOUT: A OTT STREAMING PLATFORM

### INSTALLATION AND SETUP:

1. Clone the repo
2. Use **-npm install-** to install Node modules (Note: The project was built using **Angular cli 14.2.9**)
3. Upon successful installation , Start the application using **- ng s**

### PROJECT STRUCTURE:

#### A. COMPONENTS:

1. Login Page (/login) :
  - Users can login using their email and password provided they are already registered.
  - Users can also login using their Google accounts by clicking on Google symbol.
  - If not registered, users can login by clicking on “Need an account? Register here” which will redirect them to register page
2. Register Page (/register):
  - Users can register themselves on this page using email and password
  - AUtomatically navigates to login page after successful registration
3. Home page (/home):
  - Upon successful login , redirected to home page
  - Users can find various movies based on genres and can select from any.
  - There is also a “For you” section which is configured based on user preferences
4. Search page (/search):
  - On home page , on top right user can click on search to navigate to search page
  - There user can search any movie based on genre, actor or movie name
5. Profile page (/profile):
  - This is the user profile page, users can see their email used for login and select genres or preferences.
6. Movie trailer page (/movie-trailer):
  - When clicked on watch trailer users will be navigated to this page where they can watch the trailer of the movie selected

#### B. SERVICES:

1. Auth guard:
  - Service for implementation of **canActivate()** function to have authguard in place so user can't navigate to any page unless login is done
2. Auth service:

- Service for implementations of `login()`, `logout()`, `register()` and `googleSignIn()` function
3. Data service:
    - Service for implementations of helper functions like `getMoviesByPreferences()` to get preference based movies
  4. Movie api service:
    - Service for implementations of helper functions to get movies list using TMDB (The Movie Database ) api