

**ESMAD | TSIW | POO**  
**Exercise Sheet**  
**Classes-Summative Exercise**

Make an app that manages cinema films and their directors.

- A film is characterized by a title, year of release, director, duration (in minutes) and actors (text box with names separated by commas).
- A director is characterized by a name, date of birth and country. Assume that a film can only have one director.



- a. Create a Movie class and a Director class with the above mentioned properties.
- b. Create the UI with the following elements:
  - i. Form to create a movie
  - ii. Modal with form to create a director (invoked from the movie form)
  - iii. Table for rendering the films (title, director, actors, year and duration)
- c. Create functions that allow you to get:
  - i. All film titles by a given director
  - ii. All the titles of the films where a certain actor/actress enters
  - iii. All films made by directors from a given country
  - iv. Name of director with the most films

You must create elements in the UI that allow you to invoke the above functions.