

## First Mandatory Assignment: Front-End Application

### Description and Tasks

Create a front-end single-page application that consumes the film information API *The Movie DB* (<https://www.themoviedb.org/>).

To use the API, you will need to:

1. Create a user account. The web site will ask you for some personal details:
  - a. Use “Assignment” as the name of the application
  - b. Specify educational use
  - c. Use your name and email address
  - d. Phone number: 46460000 (KEA’s phone number)
  - e. City: Copenhagen, state: Hovedstaden
2. Obtain an API key

The API overview is at <https://developers.themoviedb.org/>. Use version 3.

The application will allow the user to implement the following searches:

- By movie title (total or partial)
- By movie title (total or partial) and release year
- By person name (total or partial). It can be any person involved in a movie (actors, directors, producers, scriptwriters...)

The results of movie searches will display a list of matching movies with the following information per movie:

- Title, release year, language

The results of person searches will display a list of matching persons with the following information per person:

- Name, main activity

Each list element will be clickable, so that if the user clicks on a movie, a modal will open showing movie information, and if a user clicks on a person, a modal will open showing person information.

Movie information to show per movie:

- Title, release date, language, runtime, overview, link to the movie’s web page
- List of genres the movie belongs to
- List of production companies involved in the making of the movie

- List of actors. For each actor, his/her name and the name of their character will be shown
- List of directors
- List of script writers
- List of executive producers
- List of producers
- List of music composers

Person information to show per person:

- Name, main activity, birthday, birthplace, day of decease (only if the person is dead), biography, link to the person's website
- List of movies the person has worked in. For each movie, show the title, release year, and the role the person performed (e.g., actor, director, script writer...)

The page will be responsive.

Tools allowed: HTML5, CSS3, JavaScript, jQuery, Ajax. No backend languages. No frameworks.

## Delivery

The assignment is individual.

The resulting application will be delivered in a zip file to Fronter's assignment folder **Resources\Final Mandatory Assignment**. Please upload here your **First Mandatory Assignment** no later than 8 October 2021, 8:30h.

Each student will present his/her application to the rest of the class on 8 October 2021. Each student will use a maximum of 6 minutes for the whole presentation, which will include:

1. A walkthrough of the application
2. A structural explanation of the code
3. Occasional questions by the instructor