

IMY 220

Practical 6:

jQuery + AJAX

Due: Friday 13 September @ 11:30

The submission instructions are available on ClickUP. Any deviation from these instructions will cause a 10% deduction from your mark.

Instructions

- Use jQuery's AJAX functions for loading some movie details when clicking on a link. You will have to sequentially chain together two instances of asynchronous behaviour to accomplish this.
- Download *index.html*, *movies.json*, *Psycho.html*, *SilenceoftheLambs.html*, and *TheShining.html* from ClickUP. You are not allowed to edit these files except for *index.html* in order to add your own name in the meta-author tag and include jQuery and your own JS file.
- You must use a CDN (hosted) version of jQuery for this practical. Use the newest version. You must also use ES6 syntax, including arrow functions, object destructuring, and variable declarations, wherever appropriate.

Section 1: Load description

When the user clicks on one of the links in the bulleted list, the corresponding movie description must be loaded into the div with an id of "movie". For example, if the user clicks on the link for "Psycho", the description from *Psycho.html* must be loaded, as shown:

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- [The Shining](#)
- [Psycho](#)
- [Silence of the Lambs](#)

Psycho is a 1960 American psychological horror film directed and produced by Alfred Hitchcock, and written by Joseph Stefano. It stars Anthony Perkins, Janet Leigh, John Gavin, Vera Miles, and Martin Balsam, and was based on the 1959 novel of the same name by Robert Bloch. The film centers on an encounter between a secretary, Marion Crane (Leigh), who ends up at a secluded motel after stealing money from her employer, and the motel's owner-manager, Norman Bates (Perkins), and its aftermath.

Only the description must be loaded from the page, in other words, only the contents of the div with an id of "description". The functionality for loading the different pages must be encapsulated as an ES6 Promise, which must be defined outside the event handler for the clicking of the links.

Section 2: Load information

The JSON file *movies.json* contains some information about all of the movies. After the description for a movie has been loaded, the corresponding information from this file must be displayed underneath the description. This must work as follows:

- The index of the link being clicked must be saved as a variable called *index*. In other words, if the link for *The Shining* is being clicked, *index* will have a value of 0, if *Psycho* is clicked, *index* will be 1, etc.
- *HINT: there is an aptly-named jQuery function for fetching the index of an element in its parent-hierarchy.*
- The correct information must then be loaded from *movies.json*. The first array element in the file corresponds to the first movie, etc. This will require you to pass the aforementioned *index* to the AJAX call.
- This functionality must also be encapsulated as an ES6 Promise, which must also be defined outside the event handler for the clicking of the links.
- The information must then be displayed in a bulleted list with the Director and Runtime correctly indicated. Remember to always use the recommended syntax for adding new elements.

For example, if the link for *Psycho* is clicked:

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- [The Shining](#)
- [Psycho](#)
- [Silence of the Lambs](#)

Psycho is a 1960 American psychological horror film directed and produced by Alfred Hitchcock, and written by Joseph Stefano. It stars Anthony Perkins, Janet Leigh, John Gavin, Vera Miles, and Martin Balsam, and was based on the 1959 novel of the same name by Robert Bloch. The film centers on an encounter between a secretary, Marion Crane (Leigh), who ends up at a secluded motel after stealing money from her employer, and the motel's owner-manager, Norman Bates (Perkins), and its aftermath.

- Director: Alfred Hitchcock
- Runtime: 109 minutes

Submit *ONLY* the following file(s) according to the submission instructions.

- *index.html*
- *script.js*