

IT 4403 Term Project Guide

Default Term Project

In this default project, you will apply all knowledge and skills you developed through the individual project and develop a single page application similar to the individual project. The knowledge and skills are essentially jQuery, JSON, RESTful Web API, AJAX, and SPA UI design.

Students may form a team up to two people to complete the term project.

Core requirements of the application for all teams:

- The whole application is a single page application.
- Use the API provided by the Movie Database. You can find more information and study the API here:
 - <https://www.themoviedb.org/documentation/api>
 - <https://developers.themoviedb.org/3>
- Search/discover movies/TV shows by different methods. Provide at least two search/discovery methods.
- Display search results in multiple views, with additional data presentation functions like sorting, paging, filtering, etc.
- Display detailed movie data for one chosen movie/TV, including basic info, cast, reviews, etc. Show details about a person (actor/actress) when a user request more information about the cast.
- Display top/popular movies or TV shows.
- Display detailed information about a person (actor/actress).
- Other ways to extend or enhance the UI and search functionalities that offered by the movie API.

Additional functionalities for a two-person team:

- A user can save/tag movies to a favorite and a watch list, and manage the list (add and remove movies), through the single page UI.
- Use the movies API for authentication and manage favorites/watch list.
- Display movies in the favorite list and the watch list.