

## Assignment Overview

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You are required to answer questions, draw and update diagrams, develop an application based on base-code and matched to the specification below, using appropriate process and tools, in particular those supporting collaborative project and code development. The program implemented in Java and JavaScript.

**This is a group assignment and has three parts. The whole assignment is worth 46% towards your final grade. Part 1 is worth 8%, Part 2 is worth 19% and Part 3 is worth 19% towards your final grade.**

The rubric is available at the end of the document (or in Canvas). Part of your work will be assessed gradually, and session by session by your tutor. All team members must be present to be assigned the associated mark on each occasion.

**At the end of the semester, team members will be required to indicate how and how much each team member contributed to the project. THIS WILL AFFECT THE MARKS OF THE WHOLE TEAM PROJECT.** Marks for individual team members may be adjusted to reflect level and quality of contribution, as indicated by peer assessments and logs from collaboration tools.

Marks will be awarded for quality of the submitted system, quality of associated artefacts (e.g., test plans, test reports), and the proper use of the SE.

### Teamwork:

Teams will be organised by the course coordinator; support for this will be provided the first tutorial, and by the course coordinator if required. Teams should consist of up to 6 members; all team members must attend the same weekly tute/lab class. There are no bonus marks for a small team.

**Anyone unable to form a complete team must contact the lecturer by start of Week 3!!**

Any issues that arise within the team should be resolved by the team if possible; if not possible, then this should be brought to the attention of the course coordinator/tutor as soon as possible. Each team should discuss how to distribute tasks. **Different team members may contribute in different ways:** e.g., writing user stories; design and implementation; designing and running tests and bug reporting; writing documentation; etc; however, **all team members must make some contribution to coding/implementation.**

The tutors will facilitate weekly Scrum meetings in the weekly tutelab sessions but it is recommended that each team appoint a Scrum Master who will be responsible for leading Scrum meetings and updating task plans in ClickUp.

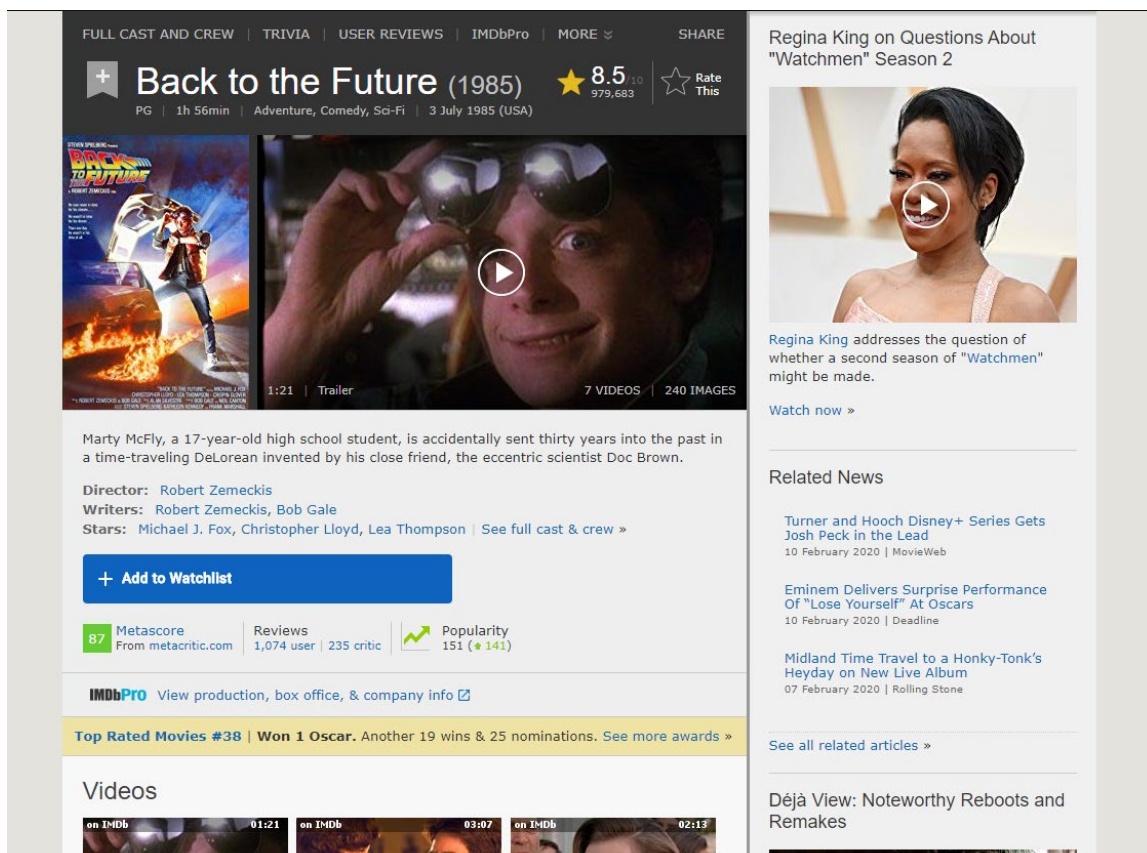
## Academic Integrity:

**The submitted assignment must be your own team's work. No marks will be awarded for any parts which are not created by your team.**

Plagiarism is treated very seriously at RMIT. Plagiarism includes copying code directly from other students (other than those in your team), internet or other resources **without proper reference**. Sometimes, students study and work on assignments together and submit similar files which may be regarded as plagiarism. Please note that your team should always create its own assignment even if you have very similar ideas to other teams. Harsh penalties may be applied in cases of plagiarism.

## Vision

IMDB (screenshot below) is a web accessed application that enables users to view information and reviews of movies and TV programs (shows), including details of the cast and crew. Users need to create an account to add ratings and reviews, and you too will need to create an IMDB account to complete this assignment - refer to Appendix B.



The screenshot shows the IMDb page for the movie "Back to the Future" (1985). The page includes a header with navigation links like "FULL CAST AND CREW", "TRIVIA", "USER REVIEWS", "IMDbPro", "MORE", and "SHARE". The main section features the movie title, year, rating (8.5/10), and a trailer. Below the trailer is a description of the movie: "Marty McFly, a 17-year-old high school student, is accidentally sent thirty years into the past in a time-traveling DeLorean invented by his close friend, the eccentric scientist Doc Brown." The page also lists the director (Robert Zemeckis), writers (Robert Zemeckis, Bob Gale), and stars (Michael J. Fox, Christopher Lloyd, Lea Thompson). There are links to "Add to Watchlist", "Metascore", "Reviews", and "Popularity". The page is divided into sections for "Full Cast and Crew", "Trivia", "User Reviews", "IMDbPro", "More", and "Share".

You may uncover areas needing scope clarification, which can only be clarified by the client



(your tutor) from MovieMad. Client responses will form part of the specification. The client is helpful but not technical and doesn't speak UML. The client forum is available until **Week 5** after which time it will be read only.

Scope has been deliberately limited to keep this task manageable – don't try to expand it! Focus on the core IMDB functionality and core structural needs, rather than capturing every single attribute (e.g, Movie Title would clearly be a core detail). Don't be distracted by minor details, and do ask for guidance if you're unsure.

## In Scope

- Core functionality such as searching (shows, people, characters), viewing info/photos/news
- Creating an IMDB account, logging into an IMDB account, and rating/ reviewing shows.
- Your work should accommodate that
  - One person may have multiple roles on one show (e.g. may be both an Actor and producer).
  - A news article may be relevant to a number of people/ shows.
  - An image may be tagged with one or more shows, people or characters.
  - On a show there is a variety of cast and crew positions. Character names are also captured.
  - A Production Company is the company responsible for producing the show.
  - A Critic is a journalist or entertainment reporter working for an established news agency. They can link their review (published on their employer's website) to a show.

## Limited Scope

- Searching is limited to names (people or show), **not** plots/keywords/new, advanced searching etc.
- There are many predefined search filters on IMDB (e.g. "Box Office", "Best TV Series", "TV News"). Show the function of searching via predefined filters, using 2 or 3, but don't try to capture them all.
- Companies associated with a show – IMDB allows many companies in various roles to be associated with a show. In A2, each show must have one Production Company, and no other roles.

## Out of Scope

- Smart phone or mobile versions of the website (you should not use m.imdb.com).

- Non-core user functionality: Community, Discussion boards, My Movies, Watchlists, List creation, check-in. “Personalize and History” in the user account settings.
- Non-core information e.g. Trailers, Showtimes, XRay for Movies, Recommended for You.
- Apps, IMDB Pro, Third party software/websites, all advertising and paid content
- Front end content that is not core functionality, e.g. Site Index, Press Room, Contact Us, Jobs, etc.
- Minor front page sections such as IMDB Snapshot, Editors Spotlight, Born Today
- The Help page should not be modelled, but reading it may provide you with relevant information
- Ignore IMDB’s contributor zone – use the info below to add content to IMDB

## Additional Information

Your documentation should also include the following information:

- Besides registered public users, there are 3 other types of user accounts – IMDB Administrators (Admins), Production Company accounts (PCo), and Critic accounts.
  - PCo and Critic accounts are established by submitting a request form through IMDB, which is then assessed by an Admin.
  - All accounts require the information in Appendix A. PCo and Critic accounts also require an organisation name and phone, although only the organisation name is visible publicly.
  - PCo and Critics can do everything a registered user can (even submit ratings/reviews).
- PCo users can directly edit their show data without Admin approval.
- Any registered user can submit a new entry for a show, which is instantly marked as “Submitted”.
  - If submitted by its PCo, they are automatically emailed a confirmation, and after 24 hours the entry is “Visible” (a security measure). Admins assess all other submissions, which the system marks as “Under Investigation” as the assessment begins.
  - If a submission is approved, the show is marked Visible (and immediately shown on IMDB). Otherwise, it is marked “Rejected”, with duplicates then deleted.
  - Admins may re-consider an entry, and can mark Visible show as “Suspended” (which removes it from public sight) or “Pending”. If this occurs, the PCo (if registered) is automatically emailed. Suspended or Pending shows can be reinstated to Visible, or demoted to a rejected status.
- Admins can delete any entry, although usually this is only done for test data or duplicates.

## Appendix A: IMBD User Account Details

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**Register now (it's free)**

First name: Amelia

Last name: Pond

Gender: ☐ Male ☒ Female

Year of birth: 1988

Country: United Kingdom

Zip/Postal code: W11 2BQ e.g. 98104

E-mail: AmyPondEarth@ymail.com

Create a password: BadWolf 8 character minimum

Confirm password: ●●●●●●●●

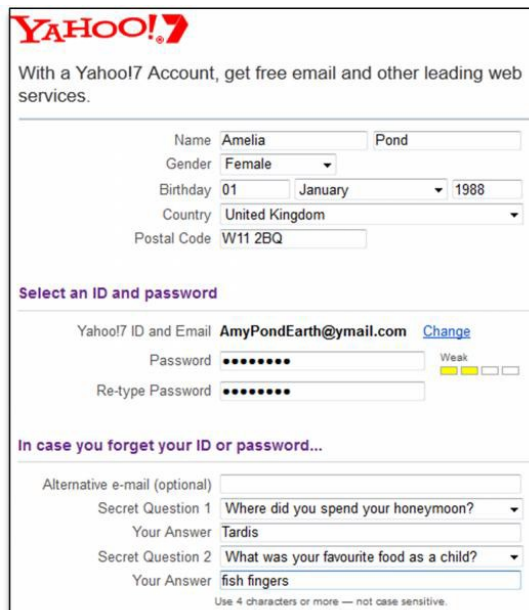
Register

## Appendix B: Create Account whilst Safeguarding your Data Privacy

You will need to create an IMDB account to complete this assignment.

You are not required to disclose your actual personal details when creating an IMDB account: only the email needs to be accurate for account functionality. You may consider using an anonymous and free email service to safeguard your data privacy.

1. First create a new email account with:



YAHOO!7

With a Yahoo!7 Account, get free email and other leading web services.

Name: Amelia Pond  
Gender: Female  
Birthday: 01 January 1988  
Country: United Kingdom  
Postal Code: W11 2BQ

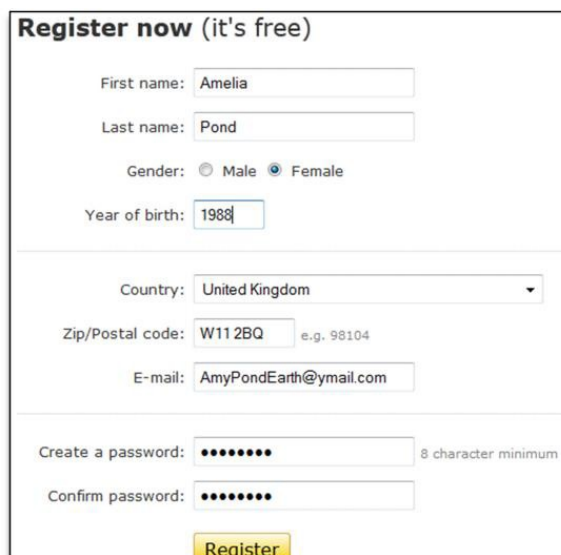
Select an ID and password

Yahoo!7 ID and Email: AmyPondEarth@ymail.com [Change](#)  
Password: ..... Weak  
Re-type Password: .....

In case you forget your ID or password...

Alternative e-mail (optional):  
Secret Question 1: Where did you spend your honeymoon? Your Answer: Tardis  
Secret Question 2: What was your favourite food as a child? Your Answer: fish fingers  
Use 4 characters or more — not case sensitive.

2. Then register with IMBD:



**Register now (it's free)**

First name: Amelia  
Last name: Pond  
Gender: ☐ Male ☒ Female  
Year of birth: 1988

Country: United Kingdom  
Zip/Postal code: W112BQ e.g. 98104  
E-mail: AmyPondEarth@ymail.com

Create a password: ..... 8 character minimum  
Confirm password: .....  
[Register](#)

You will receive a confirmation email from IMDB requesting verification of your account's email. Verify your email, and the IMDB account is functional.