

HDip. In Computer Science (Online)

Module: ICT Skills 2

Assessment.

Assessment

- Lab work.
 - 1 submit.
 - End of term. (July 17th).
 - 40 %
- Assignment/Project.
 - Submit mid-August. (August 23rd).
 - 60 %

Lab work

- **GitHub repository of your Movies Fan app.**
- **Git log history;.**
- **Submit Text file with repo URL to Moodle**
 - **Link details provided later.**

Assignment

- **Requirement: Choose one of the following:**
 - 1. Extend the Movies fan app from the labs.**
 - Use different GitHub repo to lab work.
 - 2. Design and develop a custom React app for POI or other open API.**
 - Must use create-react-app and Storybook.
- **Deliverables:**
 - **GitHub repository.**
 - README very important – must use template provided.
 - Git history very important.
 - **Demonstration (short video).**

Option 1 startup.

- **For those extending the Movies Fan app.**
- **Steps:**
 1. **Delete node_modules folder of moviesApp.**
 2. **Make a copy of the moviesApp folder (assignment folder)**
 3. **Reinstall modules if required.**

With assignment folder:

1. **Import into VS Code.**
2. **From integrated terminal, type: git remote remove origin**
3. **In GitHub, create a new repository.**
4. **From integrated terminal, type: git remote add origin new-repo-url**
5. **From integrated terminal, type: npm install**
6. **Use assignment folder for development.**

Grade bands.

- *Grade band:* **Good (40-55%)**
- Theme: **Foundation skill-set.**
- Characteristics: **Reused/Repurposed component structure, UI style, and behaviour of the Movies fan app.**
- Properties (All of the following):
 - **UI - Dynamic and interactive; ~3 (new) views.**
 - **Routing - Includes a parameterized URL.**
 - **Data model – 2 entity type ; ~2 (new) API endpoints.**
 - **Storyboard support.**

Grade bands.

- *Grade band: Very Good (55%-70%)*
- Theme: **Confident developer.**
- Characteristics: **Some original component and page designs.**
- Properties (All of the following):
 - **UI - ~5 (new) views. Extensive hyperlinking.**
 - **Routing/Navigation – Basic authentication (public/private mix).**
 - **Data model – > 2 entity types (cross-referencing); Caching.**
 - **Full Storybook support.**

Grade bands.

- *Grade band:* **Excellent (70%-90%)**
- Theme: **Independent learning.**
- Characteristics: **Independently researched and applied technologies/techniques not covered in the lectures.**
- Properties (Most of the following):
 - **UI – Responsiveness. Material UI components. 3rd party components. Web form.**
 - **Routing/Navigation – 3rd party authentication (Firebase, JWT).**
 - **Data model – Pagination (react-query). Query string (search).**
 - **Other.**

Grade bands.

- *Grade band: Outstanding (90%+)*
- Theme: **Professional-standard.**
- Properties:
 - Rich feature-set.
 - BAAS support (**CRUD to backend**) .
 - Other.

TMDB endpoints

- Browse the docs at:
<https://developers.themoviedb.org/3/getting-started/introduction>
- **Discover.**
 - Lots of query string options for more precise requests. e.g.
`https://api.themoviedb.org/3/discover/movie
?api_key=[.....]&language=en-
US&primary_release_year=...&certification=...&page=1`
 - Potential app feature: A web form to set search options..
- **Movies.**
 - Details; Reviews; Upcoming
 - Credits (Cast and Crew)
 - Similar movies
 - Recommendations
 - Popular/Top rated

TMDB endpoints

- **People.**
 - Details
 - Movie/TV credits
 - Images
- **Lists.** ****
 - We can create custom movie lists, e.g. favourites, must watch)
- **TV.**
- **TV seasons.**
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Sample TMDb endpoints

- [https://api.themoviedb.org/3/movie/\\${movie_id}/credits](https://api.themoviedb.org/3/movie/${movie_id}/credits)
 - Details of the cast and crew for a movie.
 - E.g. https://api.themoviedb.org/3/movie/496243/credits?api_key=your_key
- [https://api.themoviedb.org/3/person/\\${person_id}/](https://api.themoviedb.org/3/person/${person_id}/)
 - Information on a person (i.e. cast or crew member).
- [https://api.themoviedb.org/3/movie/\\${movie_id}/recommendations](https://api.themoviedb.org/3/movie/${movie_id}/recommendations)
 - A list of recommended movies for a movie.
- [https://api.themoviedb.org/3/movie/\\${movie_id}/similar](https://api.themoviedb.org/3/movie/${movie_id}/similar) –
 - A list of similar movies to a movie, based on keyword and genre matching.