React Assignment

Web App Development 2

Continuous Assessment Timeline

Labs Deadline
Sun 19th Oct

React Labs:
10%

✓Begin by completing the React basics and React movies labs

Week Beginning
Mon 20th Oct

In-class exam:
10%

✓Demonstrate understanding by completing in-class exercises

Project Deadline
Sun 2nd Nov

React Project:
40%

✓Work in your own time to extend the React movies app

Labs Deadline
Sun 14th Dec

API Labs:
10%

✓Create full-stack apps with Node, Express, MongoDB, and React

Project Deadline
Sun 21st Dec

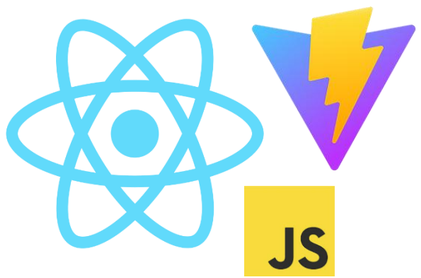
API Project:
30%

✓Work in your own time to extend the full-stack Movies app

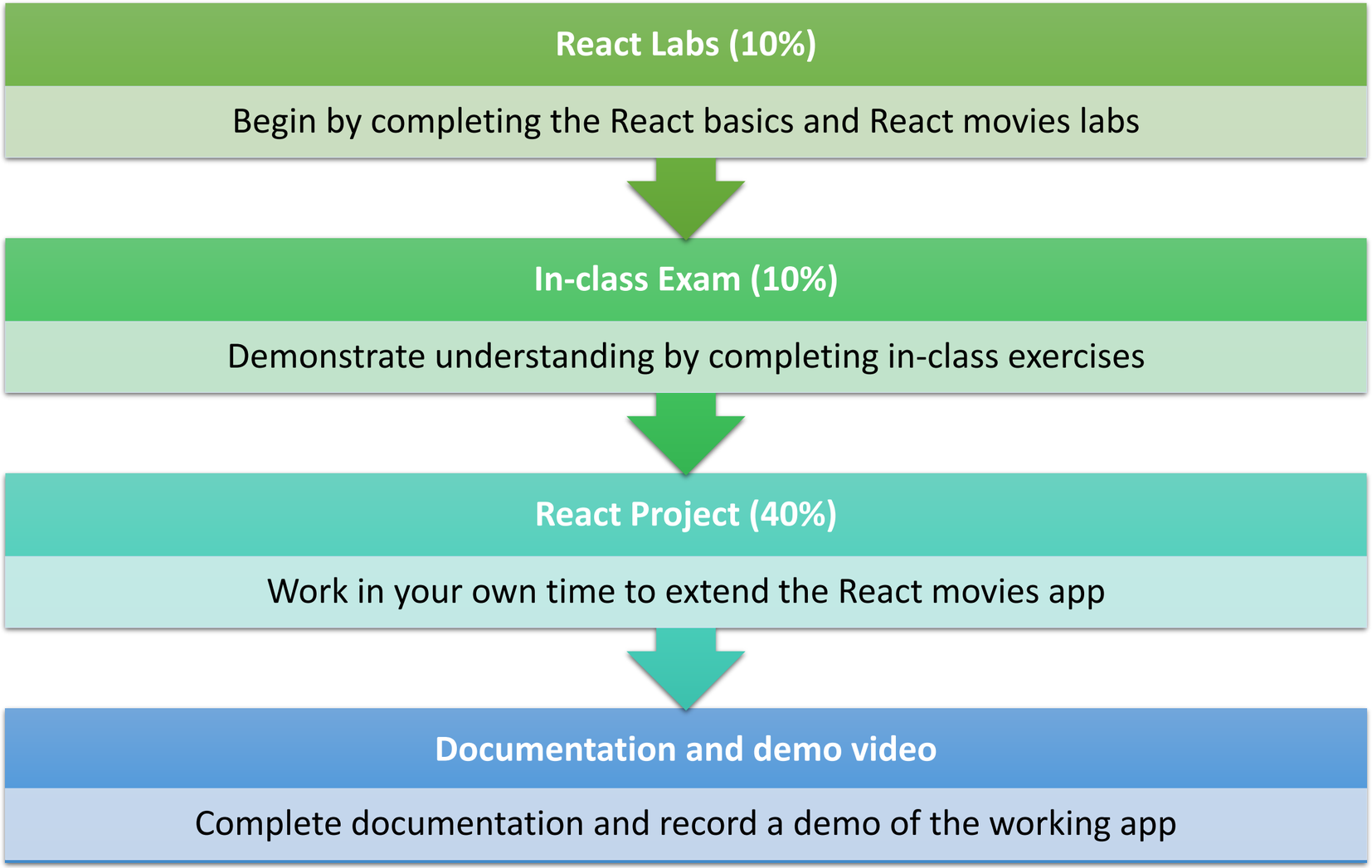
Week beginning
Mon 5th Jan

Interviews:
(if required)

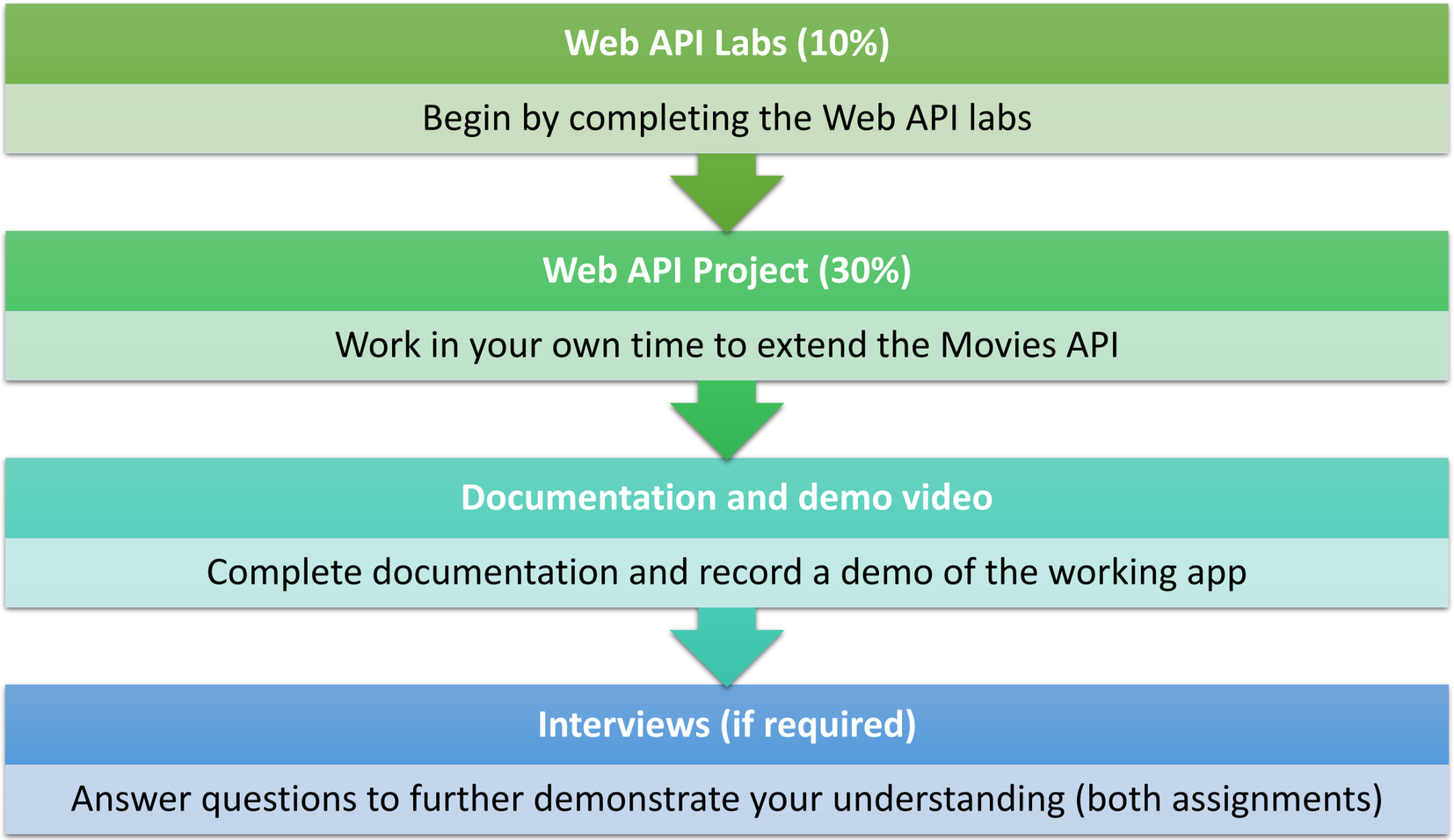
✓Answer questions to further demonstrate your understanding



React Assessments (60% total)



Later this semester…
Web API Labs and Assignment (40% total)



Contents

REACT LABS (10%)

IN-CLASS EXAM (10%)

REACT PROJECT (40%)

React Labs (10%)

- Marks will be given for all React labs:
  - Tasky Labs 1 and 2
  - Movie Labs 1, 2, and 3

- Submit link to Tasky repository **(by Sun 19th Oct)**:
  - https://moodle.setu.ie/mod/assign/view.php?id=4574543

- Submit link to Movies repository **(by Sun 19th Oct)**:
  - https://moodle.setu.ie/mod/assign/view.php?id=4574544

Contents

REACT LABS (10%)

IN-CLASS EXAM (10%)

REACT PROJECT (40%)

React in-class assessment (10%)

- Demonstrate your understanding by completing in-class exercises

- Will take place in labs, week beginning **Monday 20th October**

  - **Applied / Forensics W2:** Tuesday 21st October, 11:15a.m.
  - **SSD:** Tuesday 21st October, 13:15p.m.
  - **Applied / Forensics W1:** Friday 24th October, 14:15p.m.

In-class assessment: how to prepare

- Complete the Movie App labs
  - Exercises given will be similar to those seen at the end of Movie Lab 2 and Movie Lab 3

- **Important**: you will need to create a new repository for the assessment (see instructions given separately) – please ensure you do this *before* the day of the assessment

- A sample exam will be made available, if you wish to get additional practice before completing the in-class assessment

Open “book” exam

- During the in-class assessment you can view any resources you wish, including:
  - Class notes
  - Relevant docs e.g.
    - React documentation
    - TMDB API reference
    - MUI documentation
  - Google search e.g. Stack Overflow
  - You should not use AI for this exercise

Contents

REACT LABS (10%)

IN-CLASS EXAM (10%)

REACT PROJECT (40%)

React Project (40%): Requirements

1. Extend the Web App created in labs
   - The completed Movie Lab 3 is the starting point for the project

2. Extend the functionality

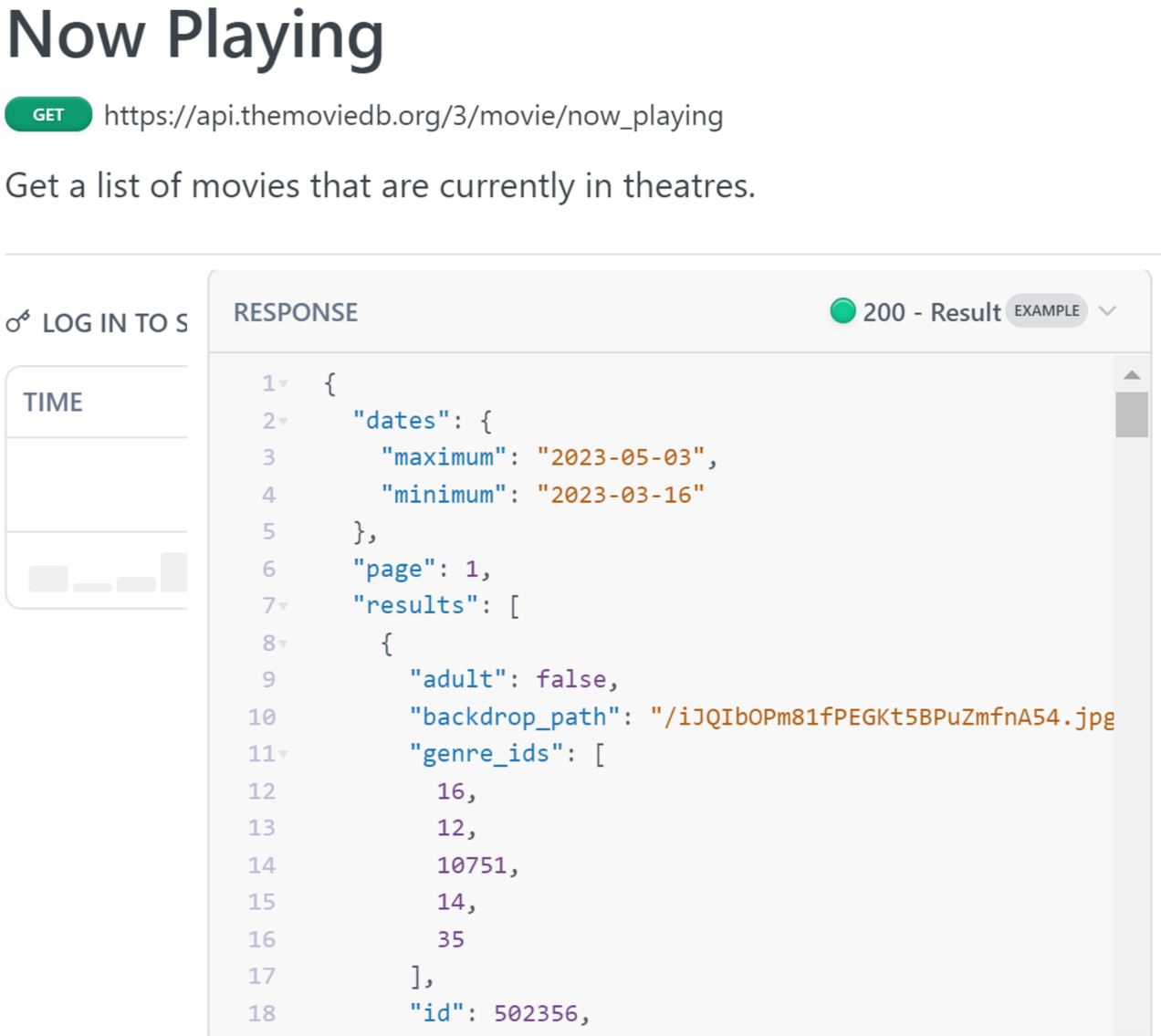
3. Additional work

4. Documentation and demo video

1. Extend the App

- Add additional endpoints from TMDB API

- API reference shows:
  - URL to fetch from
  - Sample of data returned
  - Query params that can be used
  - etc.



https://developer.themoviedb.org/reference/intro/getting-started

1. Extend the App

- Add **three** or more *static* endpoints, and **one** or more *parameterised* endpoint(s)

- Static endpoint (examples)
  - e.g. /now_playing, /popular, /top_rated

- Parameterised endpoints
  - Require an id to function correctly
  - e.g. /movie/:id/recommendations, movie/:id/credits

1. Extend the App

	Extend the App (40%)
Baseline (40 – 54%)	Three additional static endpoints from TMDB included (e.g. /popular)
Good (55 – 69%)	As above, plus at least one parameterised endpoint is included (e.g. movie/:id/recommendations)
Excellent (70 – 84%)	As above, plus multiple parameterised endpoints are included
Outstanding (> 85%)	As above, plus extensive linking of information (e.g. movie details contains links to actors; actor details links to movies, etc.)

2. Functionality

	Extend the functionality (25%)
Baseline (40 – 54%)	Caching with react-query is done on all endpoints
Good (55 – 69%)	Similar feature to favourites has been added (e.g. playlist page and functions)
Excellent (70 – 84%)	New filtering options are added (or similar)
Outstanding (> 85%)	Sorting and searching features are added (or similar)

3. Additional work

	Additional work (25%)
Baseline (40 – 54%)	Changes to the app's appearance (e.g. colours, basic styles)
Good (55 – 69%)	Updates to styles and layout of the app; new MUI components included
Excellent (70 – 84%)	One new feature is integrated e.g. pagination, new MUI components, extensive layout changes
Outstanding (> 85%)	Several new features are integrated e.g. pagination, new MUI components, extensive layout changes

Note: these are just examples! They may give you some ideas, but you are not required to do all of these.

The purpose of this section is to carry out **independent learning**; you can add any new feature you wish.

The more complex the new feature is, the higher the mark it will achieve.

4. Documentation and demo video

- You will be given a self-assessment rubric to complete
  - Provides a record of work completed in each area of the spec
- Plus record a short demo (see notes next slide)

	Documentation and demo video (10%)
Baseline (40 – 54%)	Basic documentation and video included
Good (55 – 69%)	Detailed documentation and video included
Excellent (70 – 84%)	Detailed documentation included; video with voiceover
Outstanding (> 85%)	Comprehensive documentation; video with voiceover

4. Demo video

- Notes on video:
  - The video should demonstrate the functionality of your app
  - i.e. Show the app running, click through the various pages
  - Show any new features added, etc.
  - Talk through what you're doing as you navigate around the app
  - No extra points for fancy video editing so keep it simple!
  - **Keep it short!** 2-3 mins is ideal, 5 mins max

4. Documentation

- Download the self-assessment rubric from Tutors
- Complete the spreadsheet as instructed

Self-assessment ranking: Rate your work							
TOTAL MARKS 100		**Incomplete** 0% - 19%	**Below baseline** 20% - 39%	**Baseline** 40% - 54%	**Good** 55% - 69%	**Excellent** 70% - 84%	**Outstanding** 85% - 100%
1. Extend the app	**40**	Not completed/ very little completed	Partially completed/ partially working	Three additional static endpoints from TMDB included (e.g. /popular)	As above, plus at least one parameterised endpoint is included (e.g. movie/:id/ recommendations)	As above, plus multiple parameterised endpoints are included	As above, plus extensive linking of information (e.g. movie details contains links to actors; actor details links to movies, etc.)
How would you rate your app in this category? Check one box only.		☐	☐	☐	☐	☐	☐

Grading Spectrum

	Extend the App (40%)	Extend the functionality (25%)	Additional work (25%)	Documentation and demo video (10%)
Baseline (40 – 54%)	Three additional static endpoints from TMDB included (e.g. /popular)	Caching with react-query is done on all endpoints	Changes to the app's appearance (e.g. colours, basic styles)	Basic documentation and video included
Good (55 – 69%)	As above, plus at least one parameterised endpoint is included (e.g. movie/:id/recommendations)	Similar feature to favourites has been added (e.g. playlist page and functions)	Updates to styles and layout of the app; new MUI components included	Detailed documentation and video included
Excellent (70 – 84%)	As above, plus multiple parameterised endpoints are included	New filtering options are added (or similar)	One new feature is integrated e.g. pagination, new MUI components, extensive layout changes	Detailed documentation included; video with voiceover
Outstanding (> 85%)	As above, plus extensive linking of information (e.g. movie details contains links to actors; actor details links to movies, etc.)	Sorting and searching features are added (or similar)	Several new features are integrated e.g. pagination, new MUI components, extensive layout changes	Comprehensive documentation; video with voiceover

Submitting your assignment

- Deadline: **Sunday 2nd Nov**
  - https://moodle.setu.ie/mod/assign/view.php?id=4574547

- What to submit:
  - Completed self-assessment rubric
  - This should contain links to:
    - Hosted demo video (on YouTube, Vimeo, or similar)
    - Your GitHub repository
      - If private, add your lecturer as collaborator
      - To do this: Settings -> Collaborators -> Add User (**rbirney, dohalloran74**)

GitHub commit history

- Your GitHub repository should show that you have committed your work on a regular basis
- It will currently have all the commits from the React movie labs
- Recommend committing your work every time you add a new endpoint / feature (at least)
- Or when you finish working on the app for a while; commit your work even if the app isn’t currently working

GitHub commit history – red flags!

- All the work is completed over one or two days
- There are only one or two commits related to the assignment
- Examining files shows that large blocks of code have been added (e.g. entire files vs. line by line code changes)

Acceptable AI use

- Troubleshooting errors in code
- Explaining some code that you don’t fully understand
- Generating comments

Anything beyond the above = not acceptable!

Should be your own work – don’t add code that you couldn’t explain in an interview

FAQ – Getting started

- *Can I continue using the same react-movie-labs repository for the React assignment?*
  - Yes! And don’t forget to make regular commits. Your commit history will show where the labs end and the assignment work begins.

- *Can I start a new repository for the React assignment?*
  - Also yes! Start a new repo if you prefer – either is fine. Add the files from the completed movie labs repo and then go from there.

FAQ – Getting started

- *Do I have to wait until after the in-class exam to start working on my React project?*
  - No! You will have a separate repository for the in-class exam.
  - You can start working on your React project as soon as you have completed Movie Lab 3 (either in the react-movie-labs repository, or a new one you create for the project).
  - In fact, starting the React project before the in-class exam will be a great way to get some additional practice ;)

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