



FRONTEND TECHNICAL TEST

March 2022.1

OVERVIEW

Thank you for your interest in working for AccelByte! In order for us to get to better understand your technical abilities and how they can complement our team, we ask that you complete the following exercises.

You are only permitted to use library or language documentation or manual, no other sources of information may be used for solving the tasks. We need to evaluate your skills so you are expected to write your own code. Copying code from any sources is prohibited.

You are only permitted to use Javascript for this test. We encourage you to use Javascript framework: React to help you solve the problems.

We understand that you have a choice in employers and your time is valuable, so we designed the test to evaluate your abilities quicker as well as give you the opportunity to demonstrate the skills you have already developed and honed. If you are new to the domains of these exercises we will, however, take that into account as well.

Please submit the exercises as a zip file:

technical-test-submission@accelbyte.net

This test is confidential, do not share both the test and the result, including to public repositories such as Github or Gitlab. If you have trouble submitting via email, use private file sharing such as Google Drive or Dropbox.

Good luck!

Movie Website

Duration:

4 days

Details:

Create a Movie Website single page app using any library of your choice (We prefer React and Typescript).

Documentations:

<https://developers.themoviedb.org/3/getting-started>

API endpoints:

<https://api.themoviedb.org/3/movie/popular>

https://api.themoviedb.org/3/movie/top_rated

<https://api.themoviedb.org/3/search/movie>

To access the MovieDB API, you will need to provide an API key. To create it, you can create a MovieDB account and go to <https://www.themoviedb.org/settings/api> page to create a new API key.

Pages:

MAIN PAGE

- Show a grid of Movie Category (Popular, Top Rated, and a search bar for searching movies by title), this grid should look good on all devices, every category should show its Category name with a link to the Category page.
- Search Movie by Title (show the result as a grid of movies on this page)

POPULAR MOVIES PAGE

- Show movies that belong to Popular categories (every movie should look good on all devices and should show its backdrop image, title, and release date. And also will redirect to movie detail page once it clicked)
- Show user name and email, link to the user page
- Link to movie detail page

TOP RATED MOVIES PAGE

- Show movies that belong to Top Rated categories (every movie should look good on all devices and should show its image, title, and release date. And also will redirect to movie detail page once it clicked)

- User should also be able to save the movie as their favorite and leave comments
- Link to movie detail page

MOVIE DETAIL PAGE

- Show the detail of a movie (title, description, genres, release date, backdrop image)
- Users can save a movie as their favorite, the favorite list should be persistent after page changes.
- Add a comment to movies, the comment should be persistent after page changes.

USER PAGE

- Show favorite movies

Extra Notes:

- Pages should be responsive
- Handle network errors
- Use the URL as the single source of truth for routing
- Movie search should be done using The MovieDB API
- Simulate the **favorite** and **comment** features on the client-side application, there is no need to use MovieDB login and like features for this
- Submit the source code only, no need to submit with the build result, as long the instruction on how to run it is clear.