

# Case Study for



## Overview

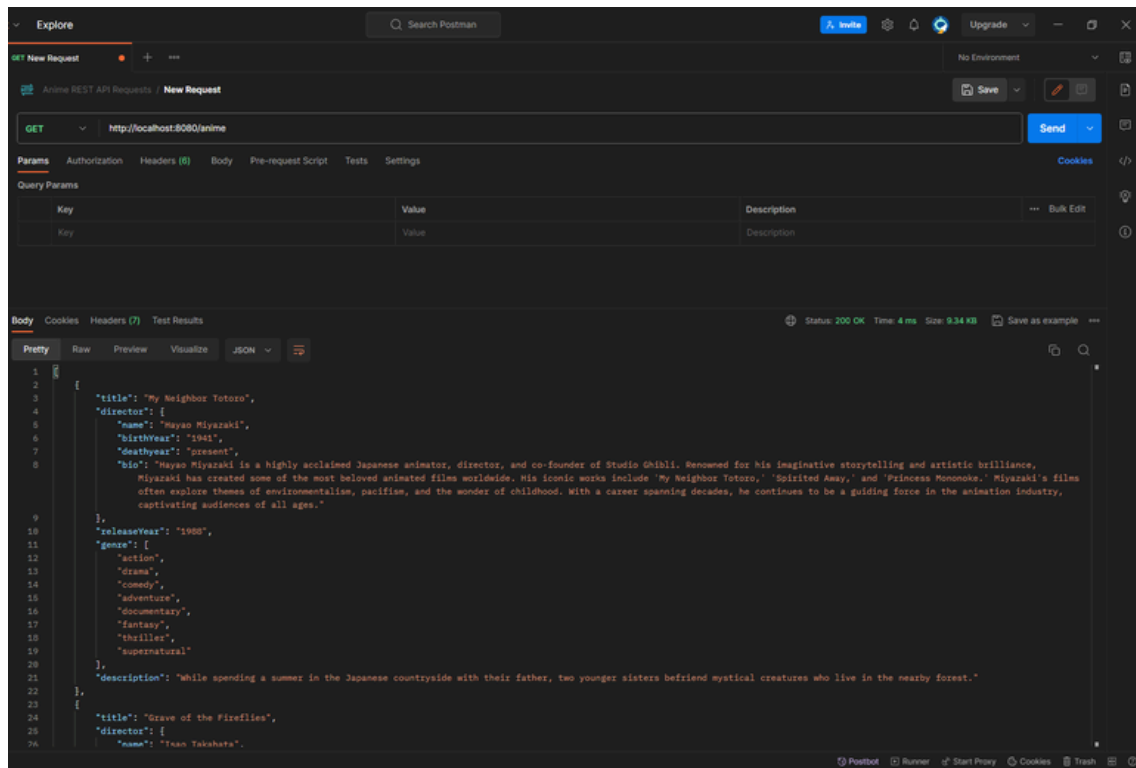
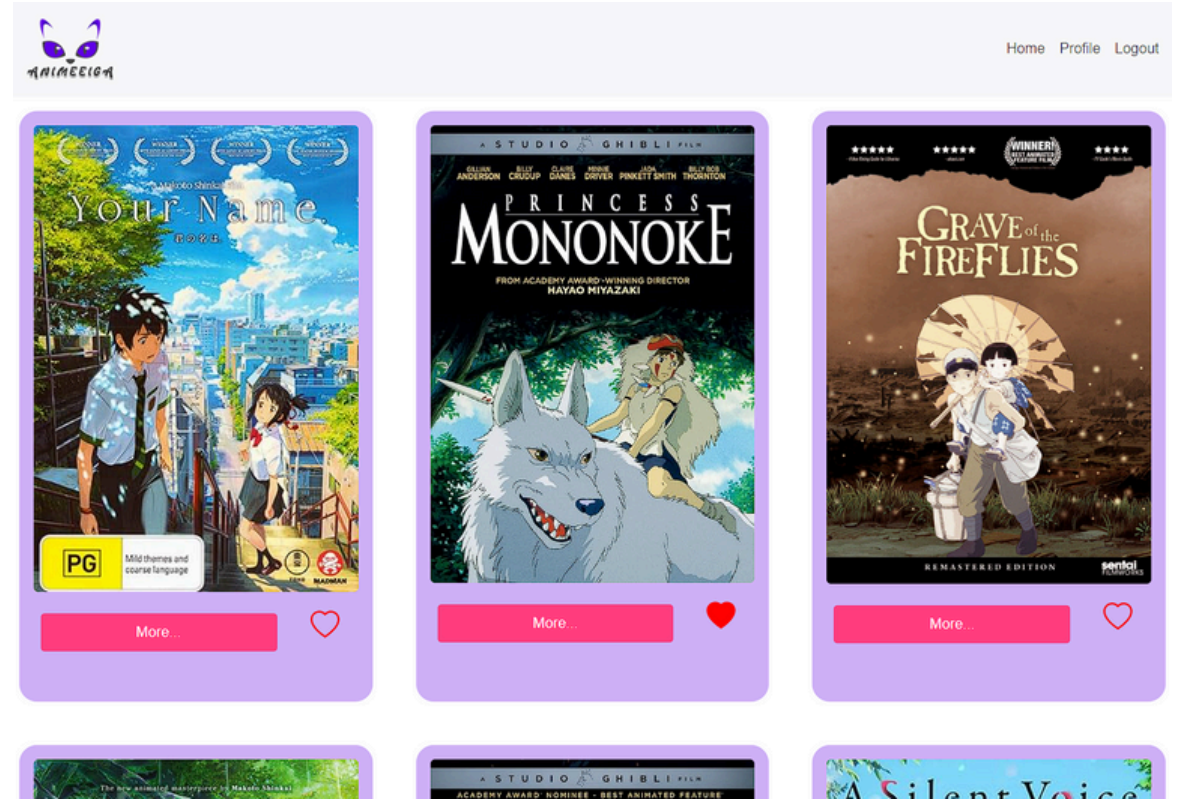
AnimeEiga is an innovative web application designed to cater to short-anime enthusiasts worldwide. Developed using the robust MERN stack (MongoDB, Express.js, React, and Node.js), this platform offers a seamless and interactive experience for users who wish to explore and keep track of their favorite animes.

## Purpose & Context

AnimeEiga was a personal project I built as part of my web development course at CareerFoundry to demonstrate my mastery of full-stack JavaScript development.

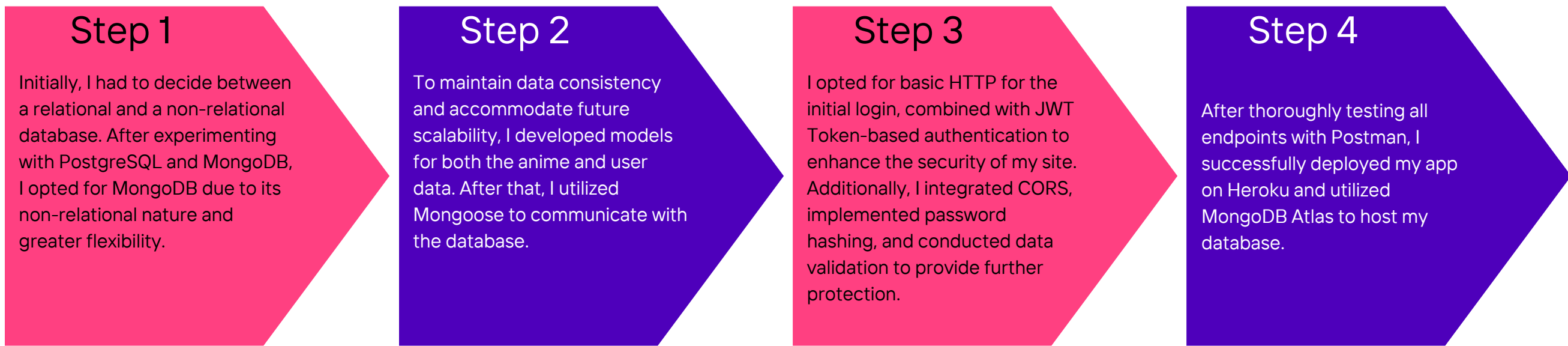
## Objective

The project aimed to be an ambitious full-stack project I could add to my professional portfolio. I wanted to solve the problem of building the complete server-side and client-side of the application from scratch.



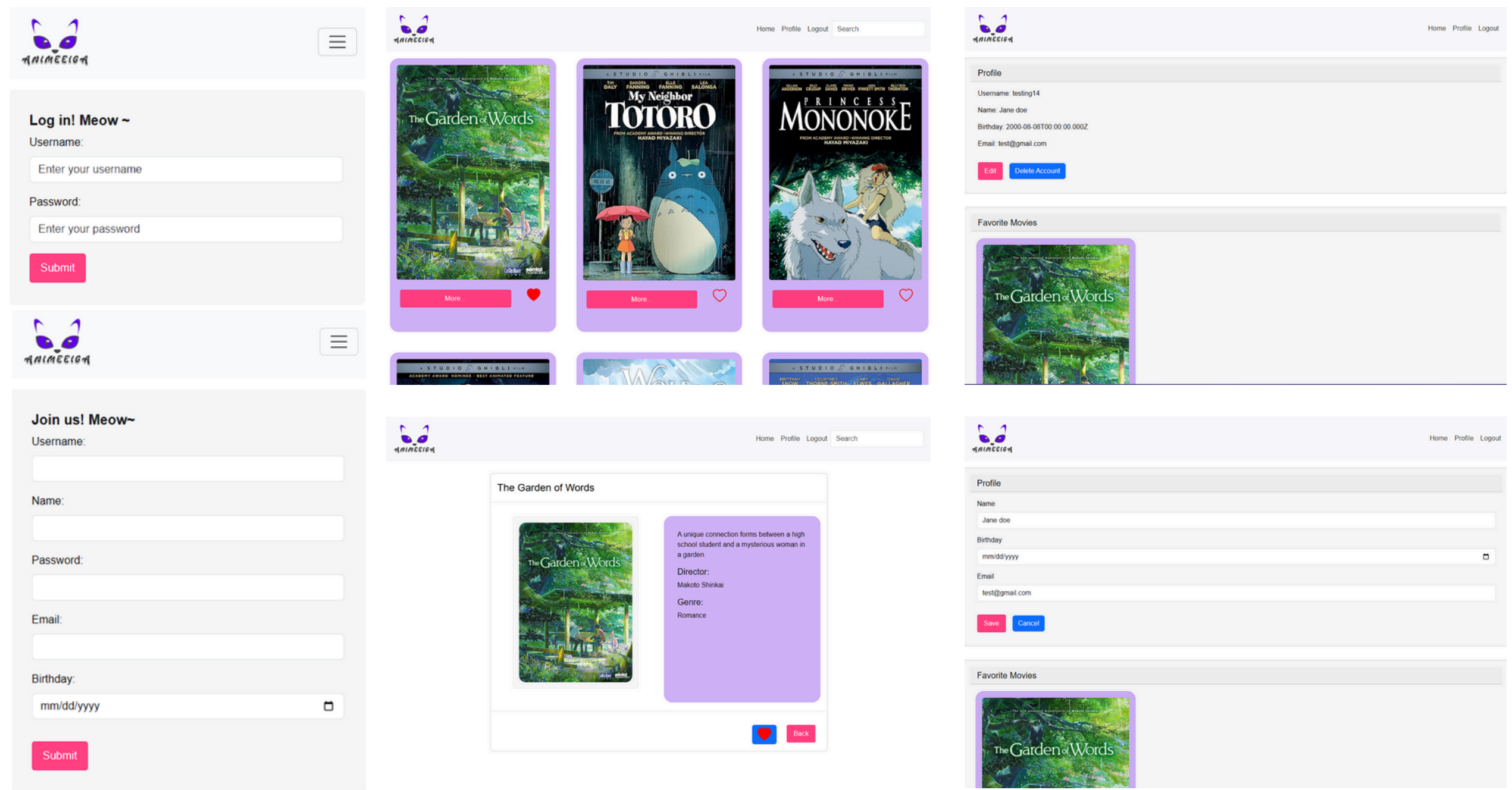
## Server-Side

I created a RESTful API using Node.js and Express, that interacts with a non-relational database (MongoDB). The API can be accessed via HTTP methods like GET or POST. To retrieve data from and store data in the database, CRUD methods are used. The API provides anime information in JSON format.



## Client-Side Development

Once the API was completed, I began constructing the interface that users would interact with for making requests and receiving responses from the server. This is a single-page, responsive application built using React and React-Redux. It features multiple interface views, including, but not limited to, a main view that displays a list of all movies, a single movie view that provides details about an individual movie and allows users to add it to their favorites, as well as login, registration, and profile views where users can update their information and favorite lists.



## Challenges

This project has become my favorite to date, as I constructed everything myself from the ground up, including the API, design, and the final interactive web application. The most significant challenge I faced was the integration of all my desired features. I didn't aim for merely a functional website; I wanted it to reflect my exact vision. Consequently, I dedicated time to grasp how React and Redux operate.

## Duration

Despite facing various challenges, I successfully completed it within a month. However, this may not be evident on my GitHub timeline, as I paused work on it for a few months due to personal commitments.

## Credits

Lead Developer: Win Win Khaing  
Tutor: Muhammad Usman Ali  
Mentor: Martin Macharia

