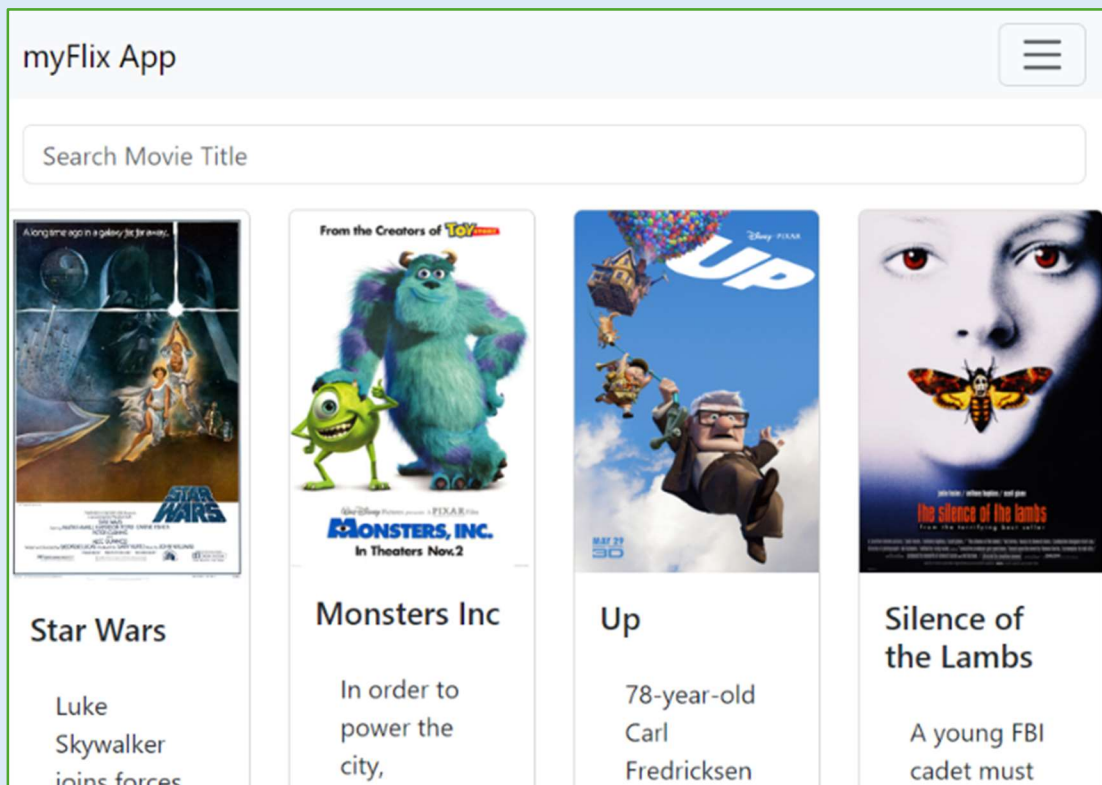


# myFlix Case Study

**Overview:** A client-side frontend for your RESTful API, built with React. Allows a user to register and login to database of movies, where they can view information about movies, search them, and add them to their favorite list.

Main Page:



**Purpose and context:** This personal project was part of a bootcamp to learn and gain experience with JavaScript. And to put the skills learned into a project that had real world relevance.

**Objective:** The goal was to create a backend database and frontend application from scratch; that would allow the user to learn more information about different movies, search through them, and keep a list of movies as their “favorites.”

**Tools, skills, Methodologies:** MERN stack, React Redux, React Bootstrap, Postman, Heroku JavaScript, HTML, and CSS

# Approach

## Backend:

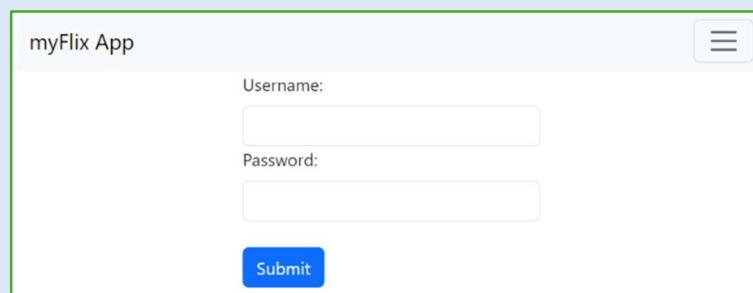
I created a RESTful API using JavaScript, Node.js, Express, and for nonrelational database storage, MongoDB. The API can be accessed via commonly used HTTP methods, like GET and POST. To store and retrieve data, CRUD methods are used. The API will provide the data in JSON format to the front-end.

I used POSTman to test the API and for user authentication and authorization, I used basic HTTP authentication and JWT authentication.

## Front-end:

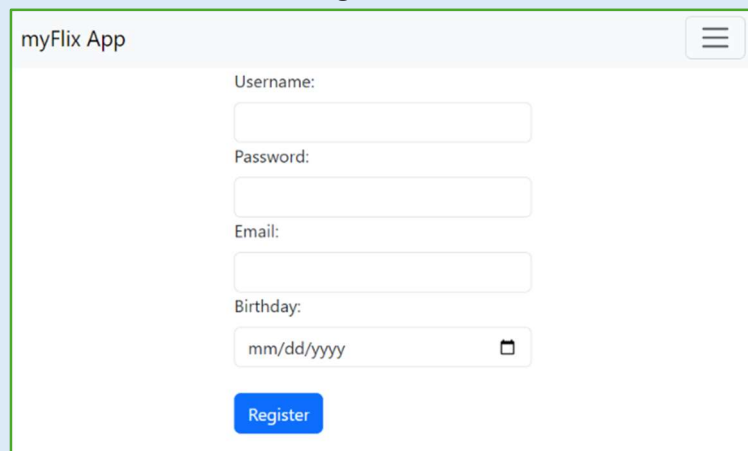
To build the client-side of the application, I used React and React-Redux since it was to be a responsive single page application. There are several interface views such as: login, registration, main view (which shows a list of all movies), single movie view (where you can see the full details of a movie and add it to the profile's favorites list), and a profile view (where the profile can be updated, like changing the password or changing the date of birth on file, as well as deleting the profile)

### Login Page:



The login page is a web form titled "myFlix App" in the top left corner, with a hamburger menu icon in the top right. It contains two input fields: "Username:" and "Password:". Below the password field is a blue "Submit" button.


### Registration:



The registration page is a web form titled "myFlix App" in the top left corner, with a hamburger menu icon in the top right. It contains four input fields: "Username:", "Password:", "Email:", and "Birthday:". The "Birthday:" field has a placeholder "mm/dd/yyyy" and a calendar icon. Below the birthday field is a blue "Register" button.

### Movie Page:

myFlix App



Title: Star Wars

Director: George Lucas

Genre: Sci-Fi

Description: Luke Skywalker joins forces with a Jedi Knight, a cocky pilot, a Wookiee and two droids to save the galaxy from the Empire's world-destroying battle station

Add to Favorite

Back

### Profile Page:

myFlix App

Username:

MovieFan92

Password:



Email:

BirthDay:

mm/dd/yyyy

Update

Favorite Movies:



### Challenges:

This was my first foray into creating an API to be integrated into my own application, I enjoyed creating the API and got a lot of practice using the terminal. Creating the client-side took a bit of time but it really let me feel like I had a good working understanding of React and Redux. When I couldn't figure out an issue myself or through googling it, my excellent tutor was able to help me figure out where I had erred.

### Duration:

It took me a month to learn React (and React Redux), create, and deploy the MyFlix front end since I wanted to really understand what I was creating not just follow a guide.

### Credits:

**Role:** Lead Developer

**Tutor:** Jesus Diaz

**Mentor:** John Akhilomen