**Full Stack Report**

**Project Overview**

The Full Stack implementation of the Movie Rating project combines a React frontend and an ASP.NET Core backend. Users can register, log in, and interact with the system through a responsive web application.

**Models**

* Similar to the REST API, the Full Stack implementation includes User, Movie, and Rating models with proper relationships.

**Controllers**

* All CRUD operations are supported on the backend.
* Additional endpoints are designed for retrieving popular movies and searching by title.

**Views**

* The frontend provides:
  + User-friendly views for registration, login, and movie browsing.
  + Separate views for rating movies and viewing personal ratings.
  + Admin-only views for managing the movie catalog.

**ORM**

* Entity Framework is used for backend operations.
* Advanced filtering and aggregation functionalities are integrated into the views (e.g., showing average ratings).

**Complexity**

* The application includes a fully functioning user interface, backend, and database.
* Features such as filtering movies by genre, rating history, and authentication make it production-ready.

**Authorization**

* Secure login and role-based access control ensure users can only access permitted functionalities.
* JWT authentication secures API requests between the frontend and backend.