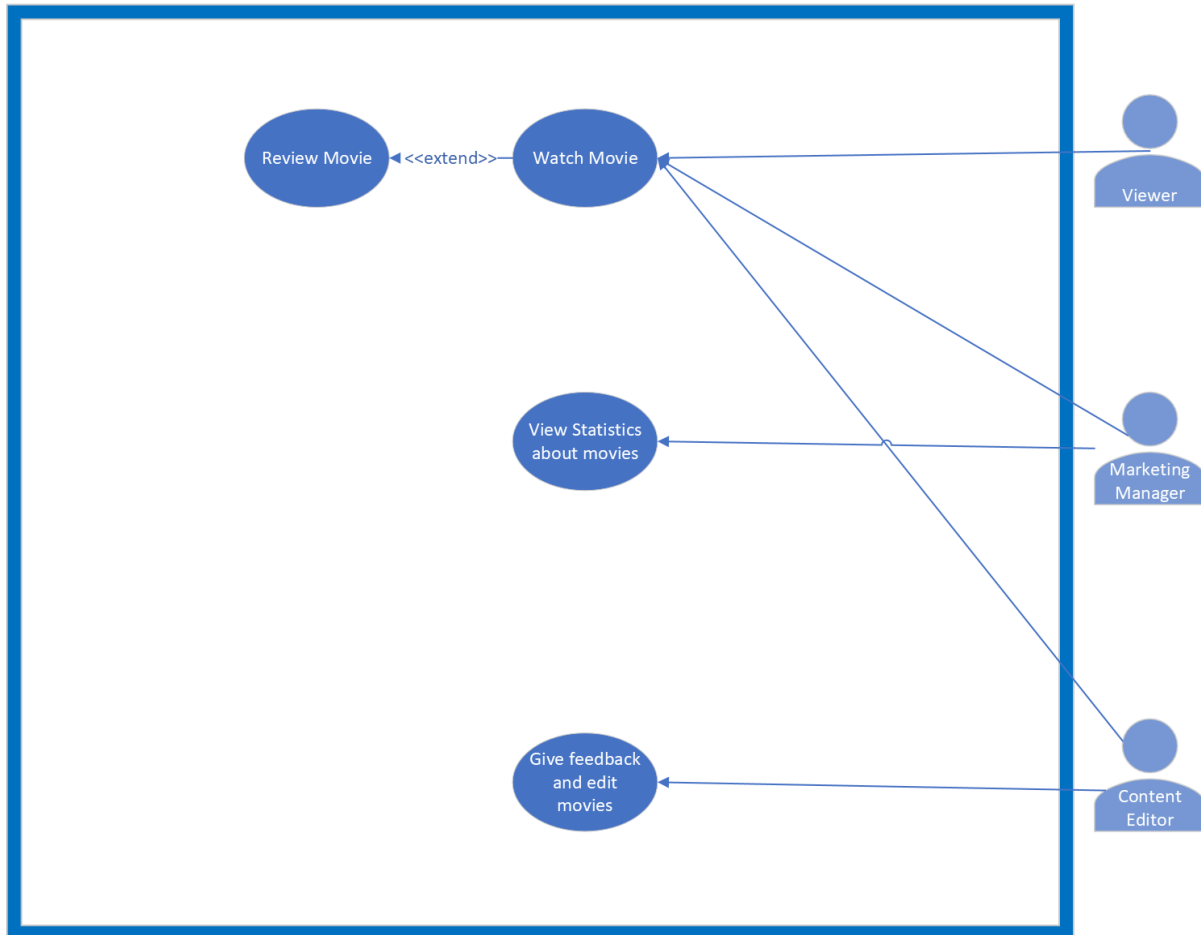


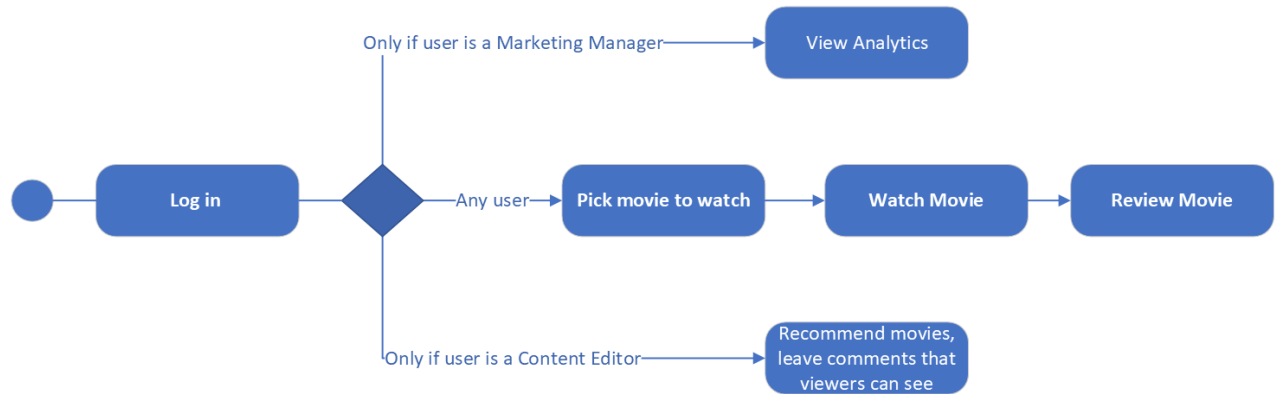
Design Documents

Use Case Diagram



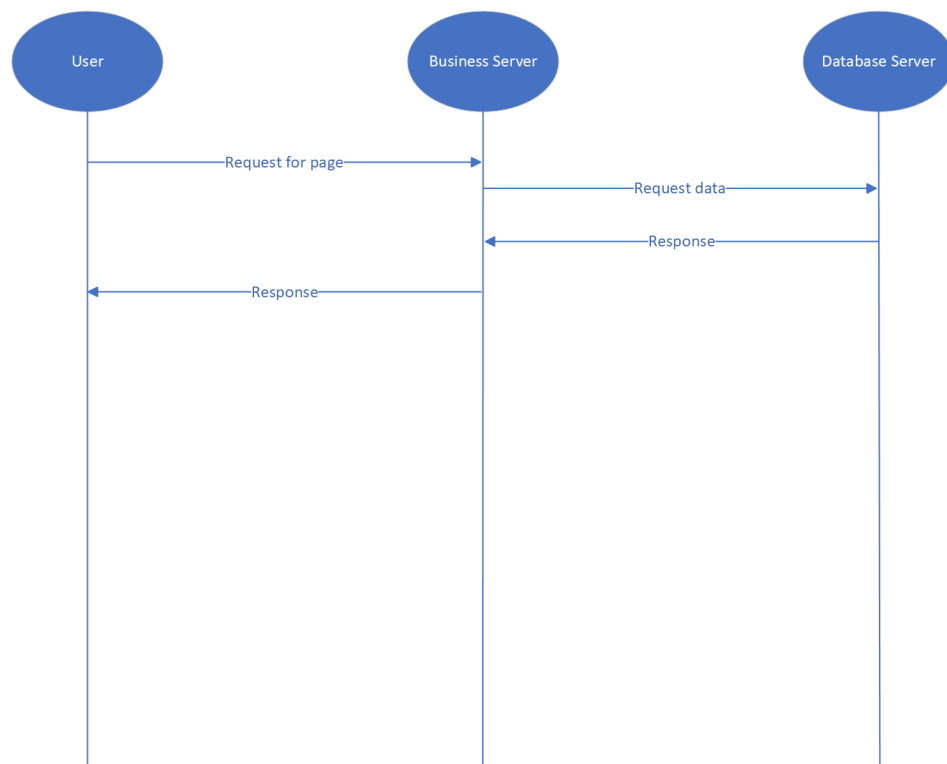
This diagram shows how the user interacts with the site and what each user can do. All users can watch movies, but marketing managers are capable of viewing statistics such as view count and like count. Content editors are able to leave comments that users can see and modify movie data (tags).

Activity Diagram



This diagram shows the order in which actions can occur. All users must log into the site, but then there is a split between different roles that users have. All users may also watch movies, however only marketing managers can view analytics, and only content editors can recommend movies and leave comments for viewers.

Sequence Diagram

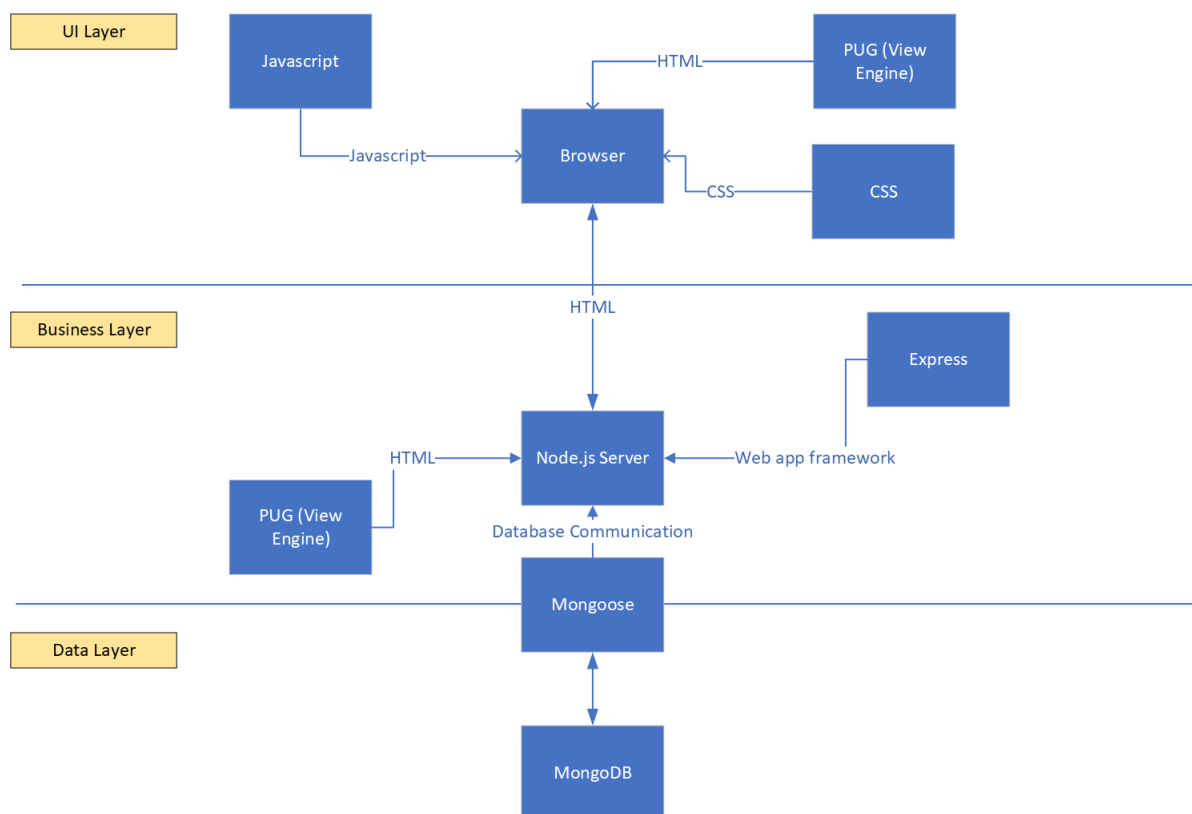


This basic request/response sequence diagram applies to pretty much every aspect of the site, including:

- LoginModule: User enters credentials, then either receives an invalid login response or is logged in and taken to their home page
- Home Page: User selects a movie or other option and is taken where they want to go
- Movie: a viewer submits a like and a comment
- Marketing manager: clicks on a movie and is sent analytical data
- Content editor: Submits a movie review that can be seen by viewers.

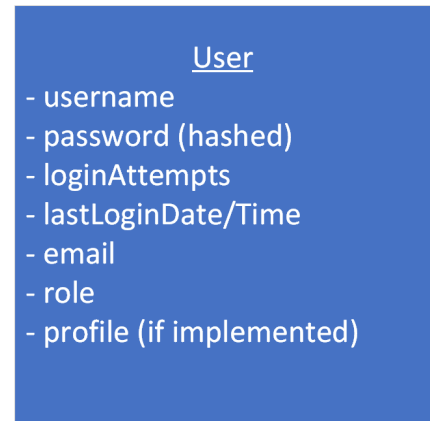
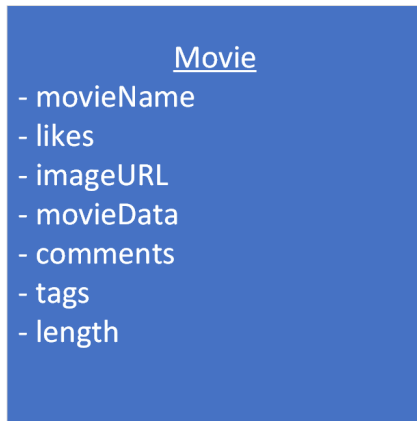
Fundamentally, the entire site will function in a request+response format.

Architecture Diagram



This is an overview of the planned technologies and their relationships. This diagram is broken up into layers based on where each technology plays a role, with PUG playing a role both in the UI layer and the business layer. Node.js is the main server component, using Mongoose to access the database, and Express to manage the web server. The client's browser will execute some of it's own javascript and load some CSS style sheets to help make the site look and function cleaner.

Class Diagram



These are the two “classes” we plan on using. Movies and users will be stored in the database, and in this diagram are the data they will have.