

PICTURE PERFECT DESIGN DOCUMENT

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ABOUT

This is a website which has a collection of various movies and their information like rating,review and other details. It provides a great user experience and lets users know everything about the recent and old movies. It also lists the various cineplexes which show the movie nearby.

BACKEND

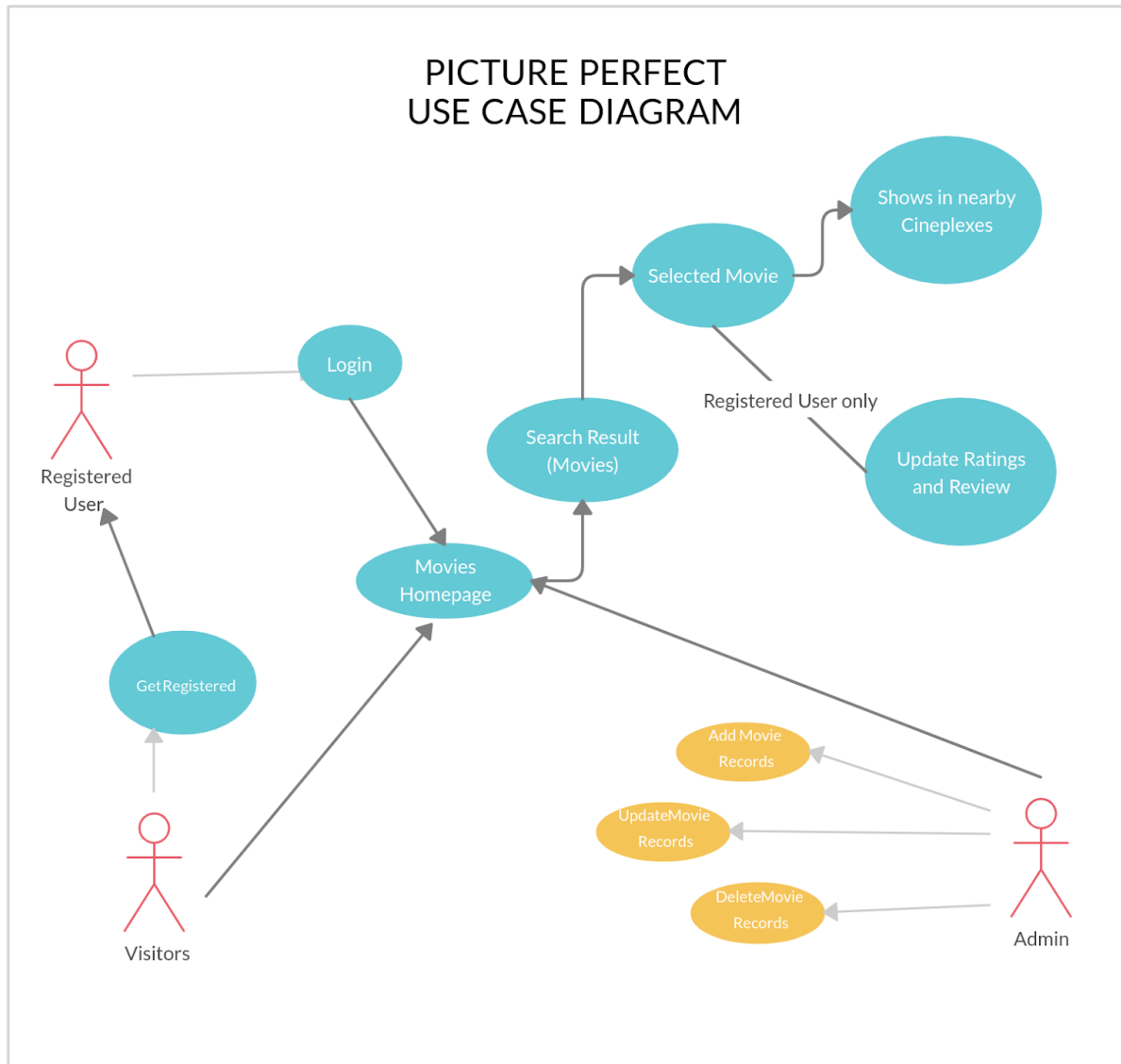
We will use go-lang to design the back-end of the website as it is very reliable and efficient.

DATABASE : MySQL

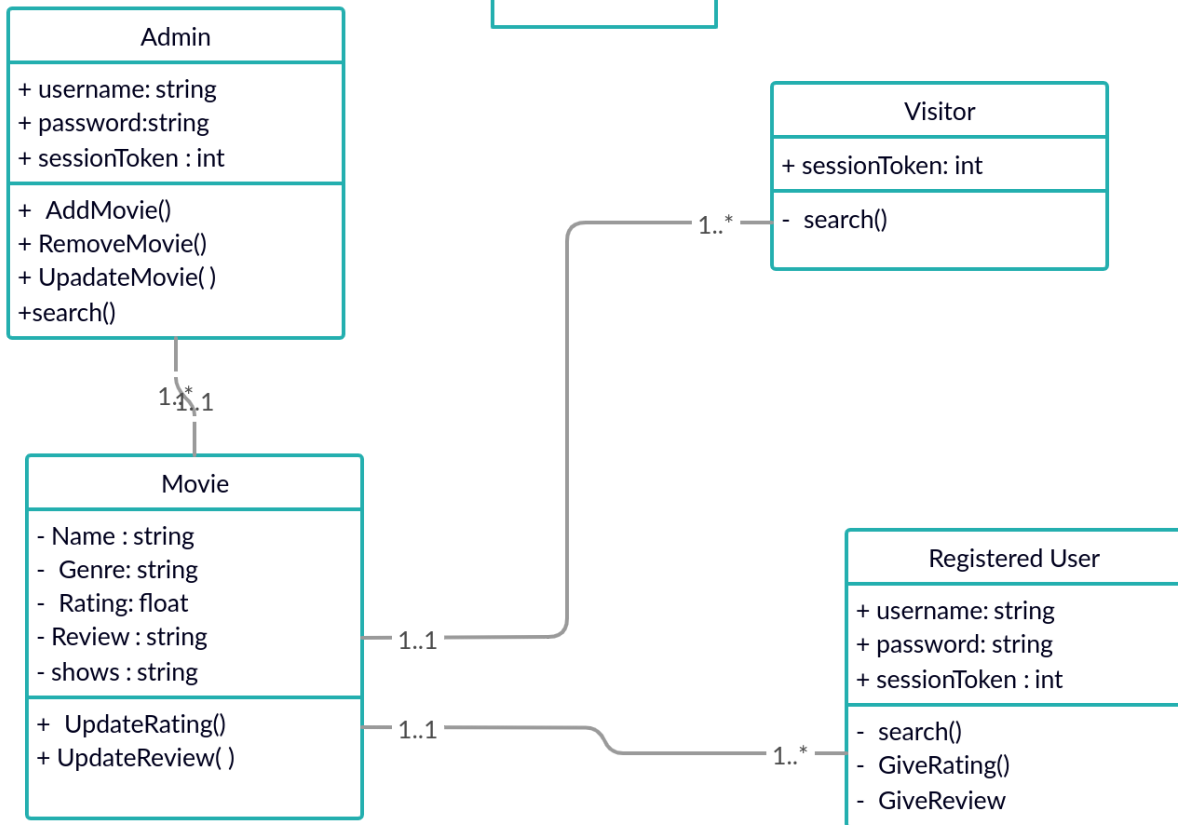
MySQL is a very commonly used relational database management system. We have to maintain a database of movies and their contents and need a structured relational database which is highly scalable and quick so MySQL is perfect for our purpose.

AWS SERVICES : *We will use AWS lambda, Amazon RDS (MySQL) , AWS CloudFront (Networking and content-delivery) and Amazon S3 (Storage).*

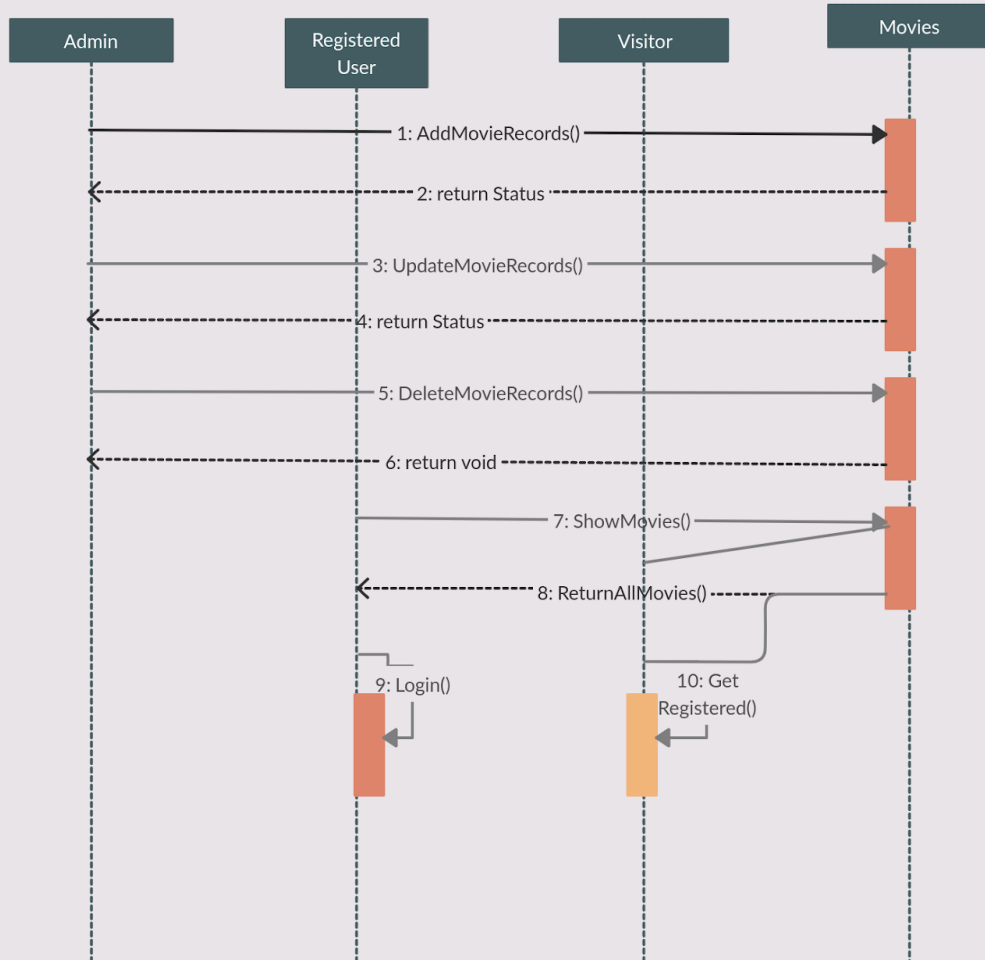
SYSTEM DESIGN (UML DIAGRAMS)



CLASS UML
DIAGRAM



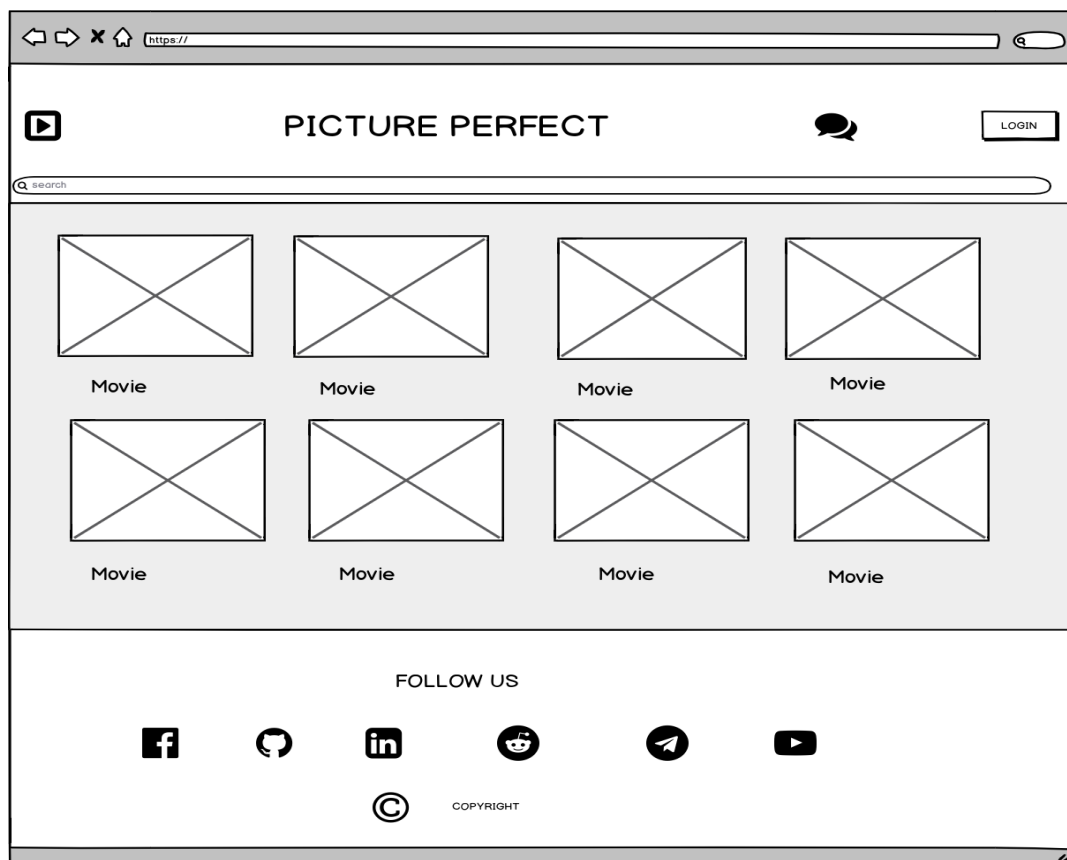
SEQUENCE
UML
DIAGRAM








FRONT-END


LANGUAGES AND LIBRARY : *We will use React.js for javascript and typescript side and bootstrap for CSS and HTML side to design Picture Perfect UI.*

UX LAY-OUT MOCKS:




HOME PAGE





PICTURE PERFECT



USERNAME




PASSWORD

OR

CREATE NEW ACCOUNT

OR

SIGN IN WITH



LOGIN PAGE

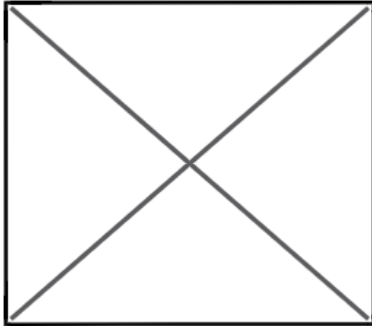


PICTURE PERFECT



LOGIN

Q search



MOVIE

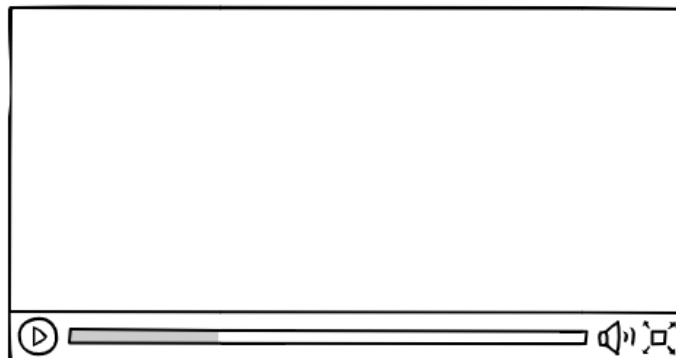
GENRE : MYSTERY , CRIME

LANGUAGE : ENGLISH , HINDI



After the devastating events of Avengers: Infinity War (2018), the universe is in ruins. With the help of remaining allies, the Avengers assemble once more in order to reverse Thanos' actions and restore balance to the universe.

TRAILER



REVIEWS



Truly a masterpiece, The Best Hollywood film of 2019, one of the Best films of the decade... And truly the Best film to bring a comic book so chillingly and realistically to real life. Remarkable Direction, Cinematography, Music and the Acting. Some people are surprised to find it DISTURBING and VIOLENT, but it's a necessity and message



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MOVIE PAGE

AUTOMATION AND TESTING

TESTING AND DEPLOYMENT : *We will use Jenkins to test our system as it is a highly efficient open source automation server. We will take care of all corner cases and glitches occur during communication between various parts and services of the system. We will use Amazon CodeDeploy and docker for deployment purposes. It works with any platform, language, and application. AWS CodeDeploy makes it easier to rapidly release new features, helps avoid downtime during application deployment, and handles the complexity of updating applications. We will do following testing :*

- 1) Functionality Testing
- 2) Usability testing
- 3) Interface testing
- 4) Compatibility testing
- 5) Performance testing
- 6) Security testing

SERVER : *Amazon EC2*