

# Picture Perfect Design Document

## Content

- Overview
- Backend
  - Language
  - Database
  - Design Diagram
- Frontend
  - Language
  - Library
  - UX Mock Layout
- Other Technologies
- Testing

## Overview:

Picture Perfect is an online movie ticket booking, review and rating service. The service helps users generate reviews and rating content for movies across the world. One may wish to publish only a rating or a full review of the movie in a language of choice.

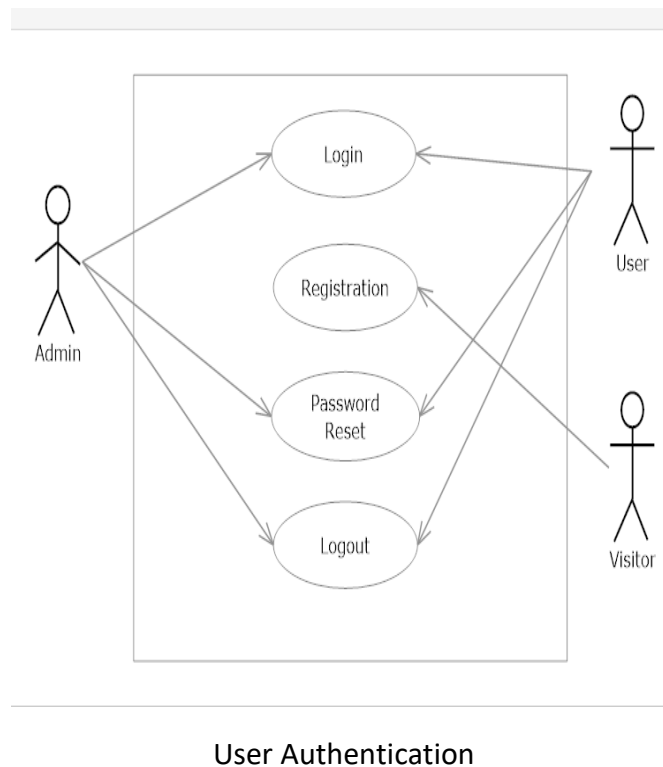
## Backend:

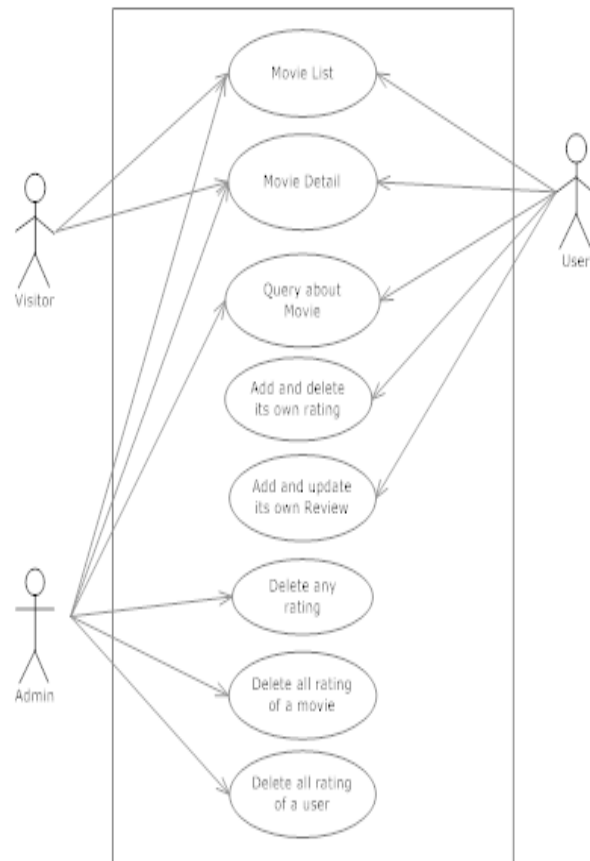
**Language:** Golang

**Database:** MySQL or Amazon Aurora

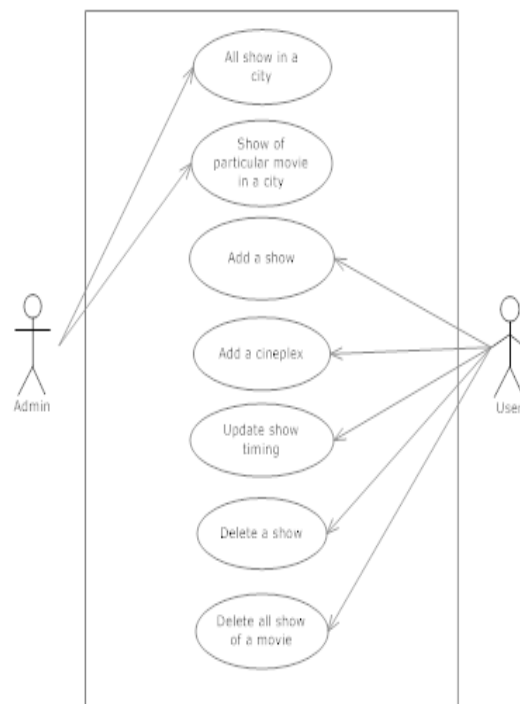
## Design Diagram:

Use Case Diagram



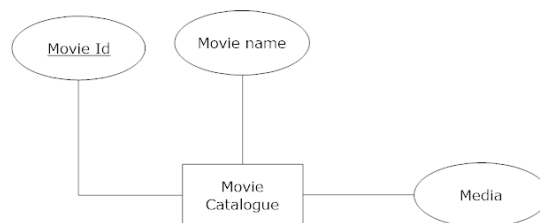
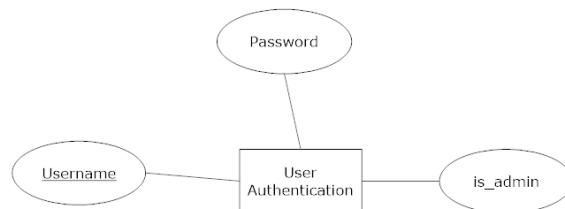
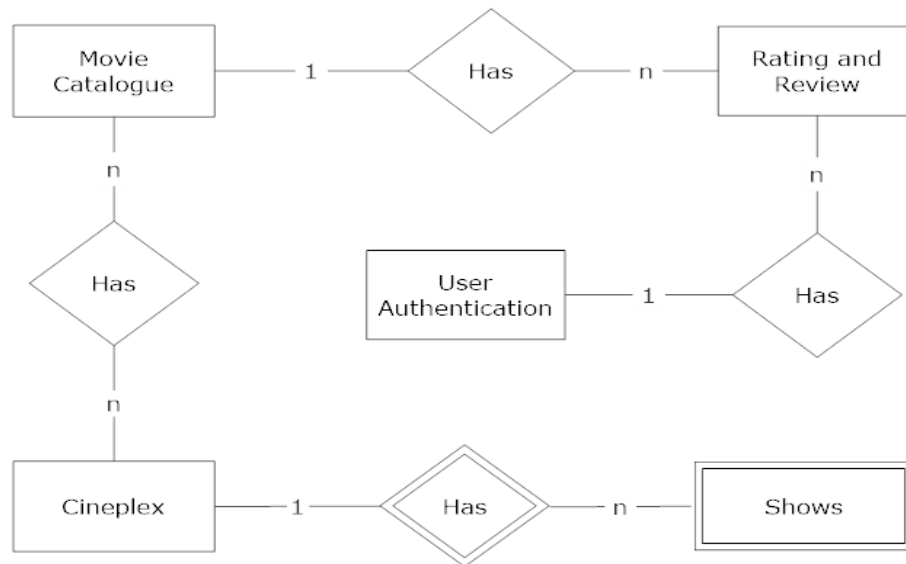


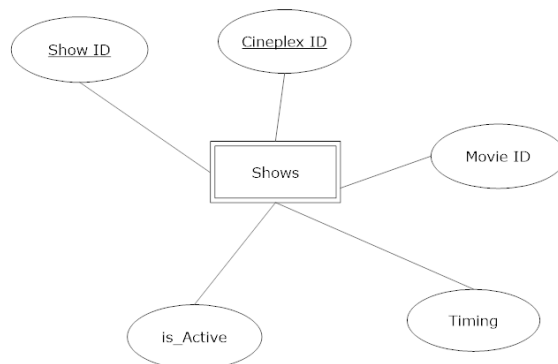
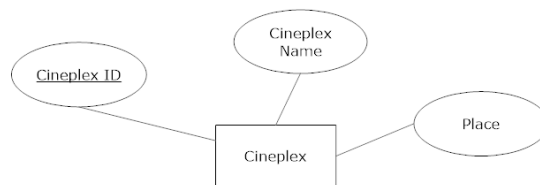
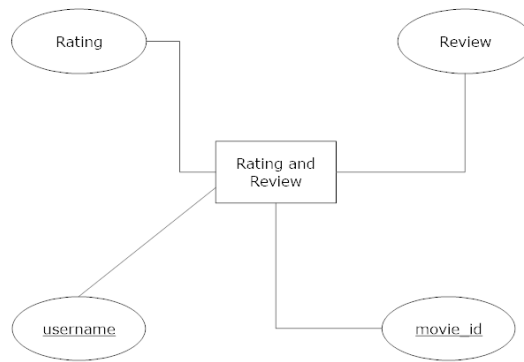
Movie Catalogue



Cineplex shows

## ER Diagram:



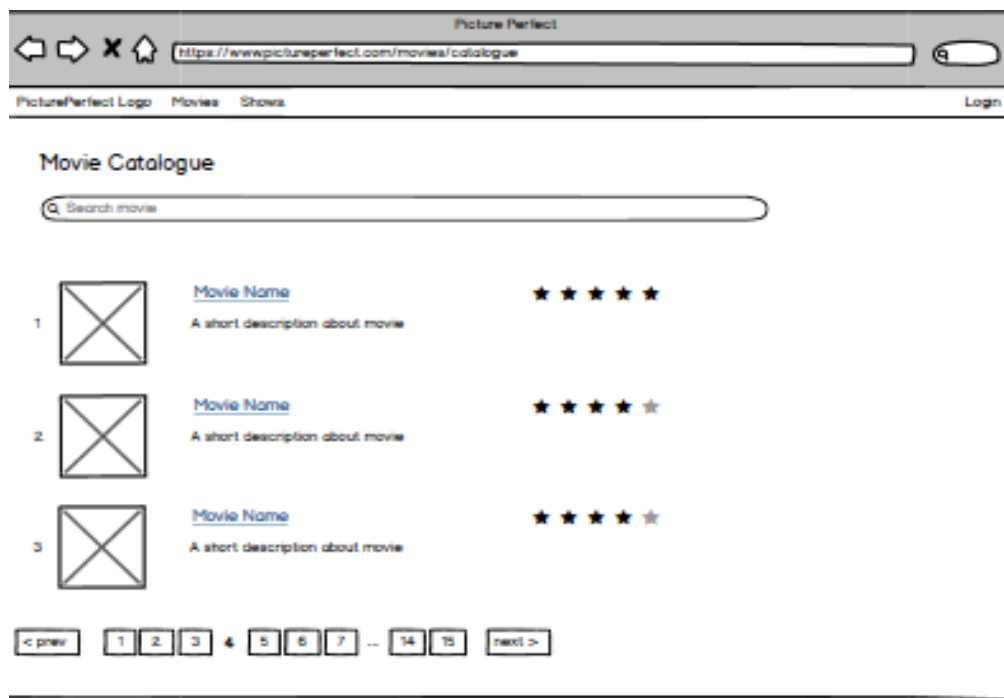


## Frontend:

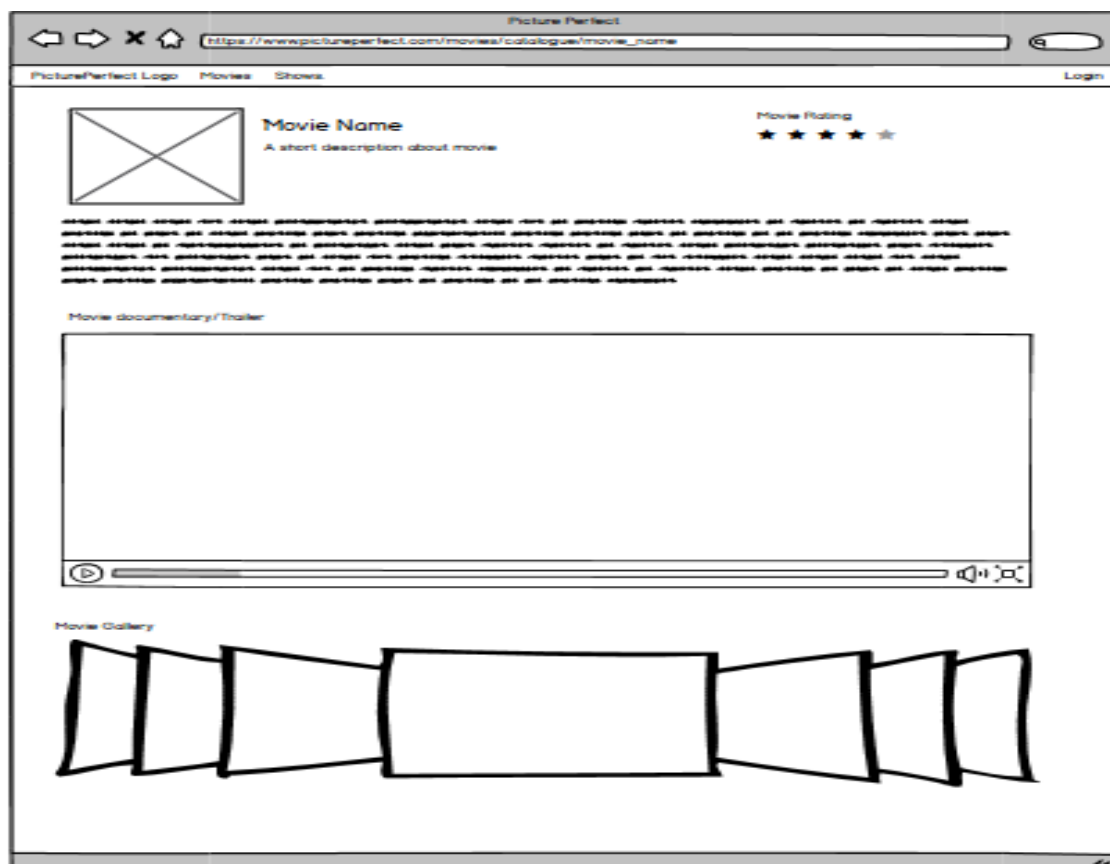
**Language:** HTML, CSS, JavaScript, TypeScript

**Library:** React, Bootstrap

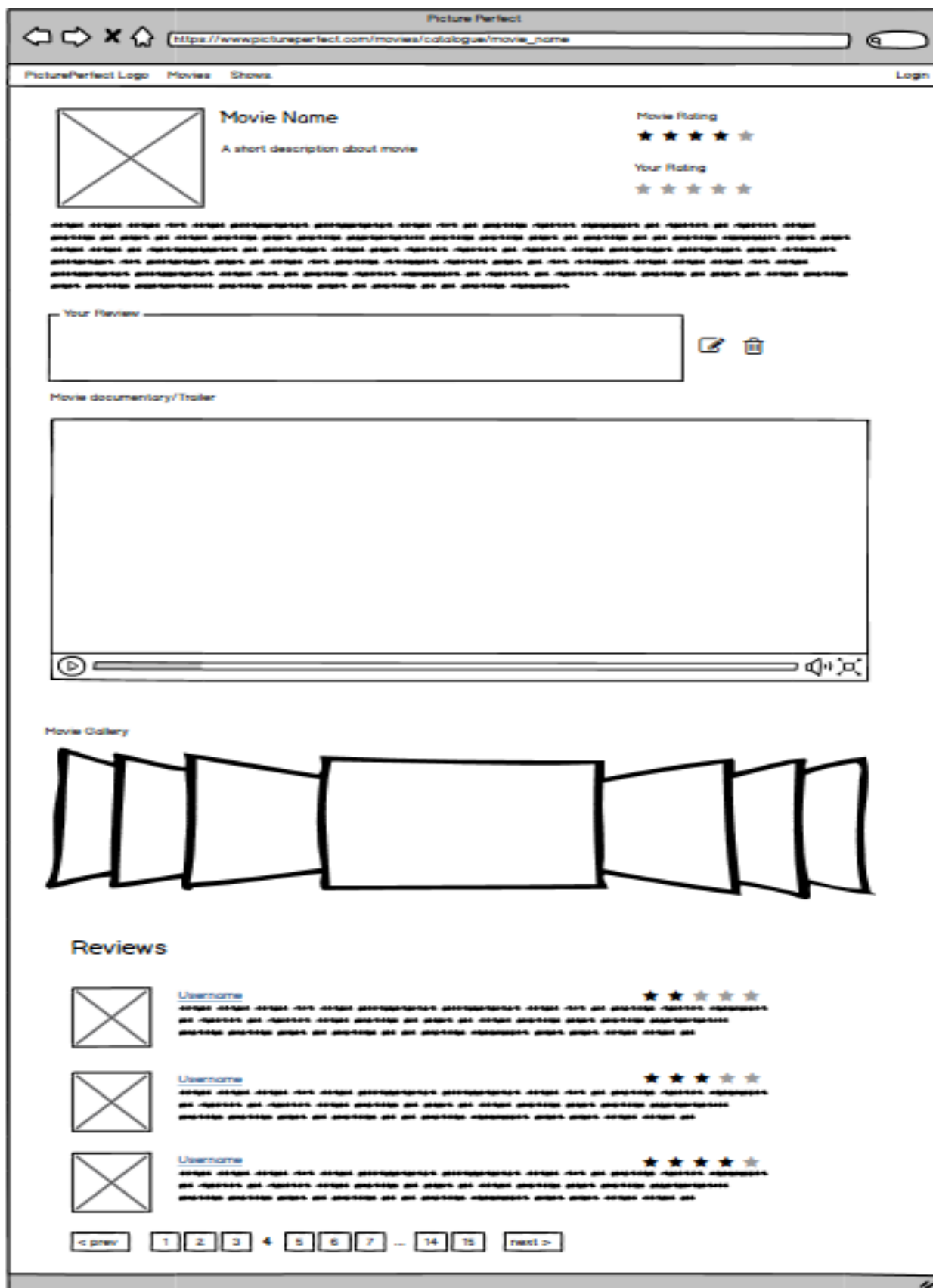
## UX Mock Layout:



Visitors and Users Only



Visitors only



Users only

Picture Perfect

https://www.pictureperfect.com/login

PicturePerfect Logo Movies Shows

## Login

Email:

Password:

[Forgot password?](#)

Visitors Only

Picture Perfect

https://www.pictureperfect.com/register

PicturePerfect Logo Movies Shows [Login](#)

## Sign Up

\* Name:

\* Email:

\* Password:  ⓘ

\* Re-type password:

☐ I agree to the [Terms of Use](#) and [Privacy Policy](#).

[Learn more](#)

Visitors only



Picture Perfect

https://www.pictureperfect.com/reset

PicturePerfect Logo Movies Shows Login

## Forgot Password

Email:

Visitors only


Picture Perfect

https://www.pictureperfect.com/movies/shows/city\_name

PicturePerfect Logo Movies Shows Login

## List of Cineplex of city\_name


1



[Cineplex Name](#)  
A short description or address

Movie 1: Show_1	Show_2	Show_3
Movie 2: Show_1	Show_2	Show_3
Movie 3: Show_1	Show_2	Show_3

2

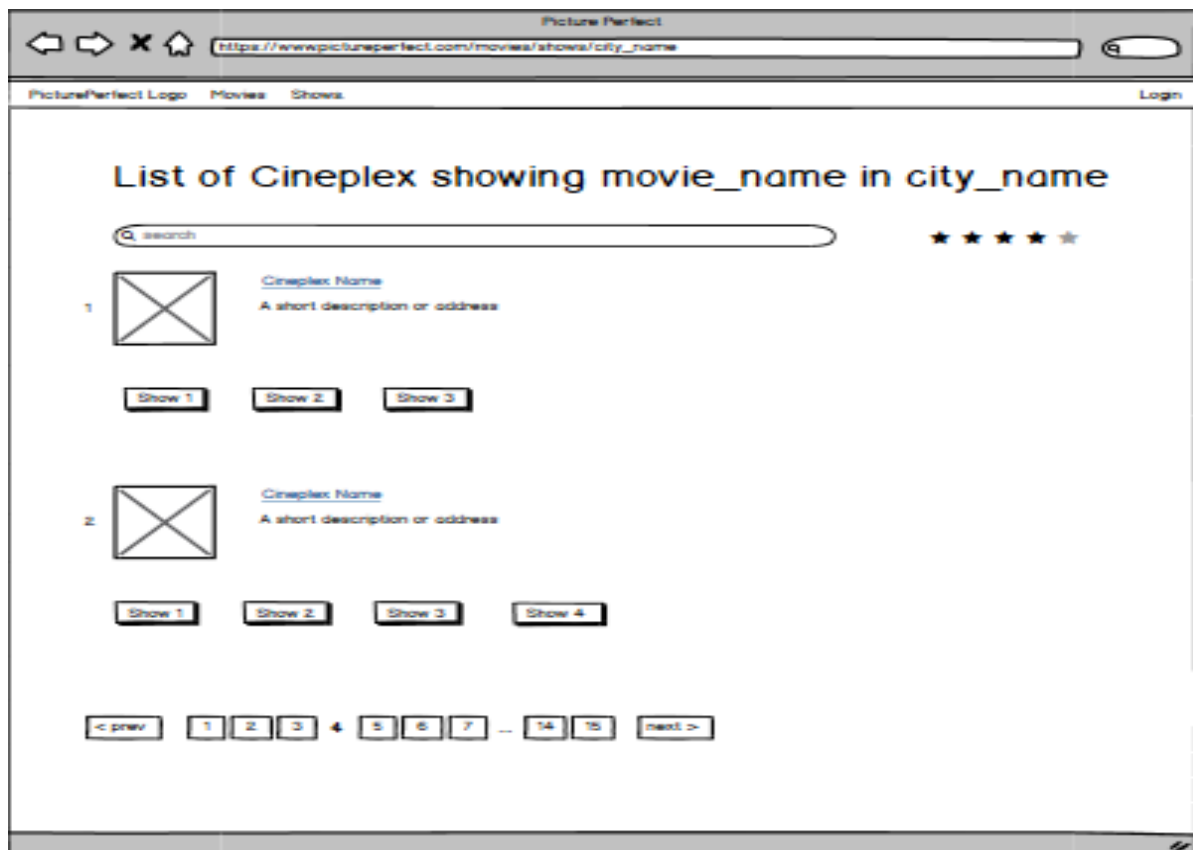


[Cineplex Name](#)  
A short description or address

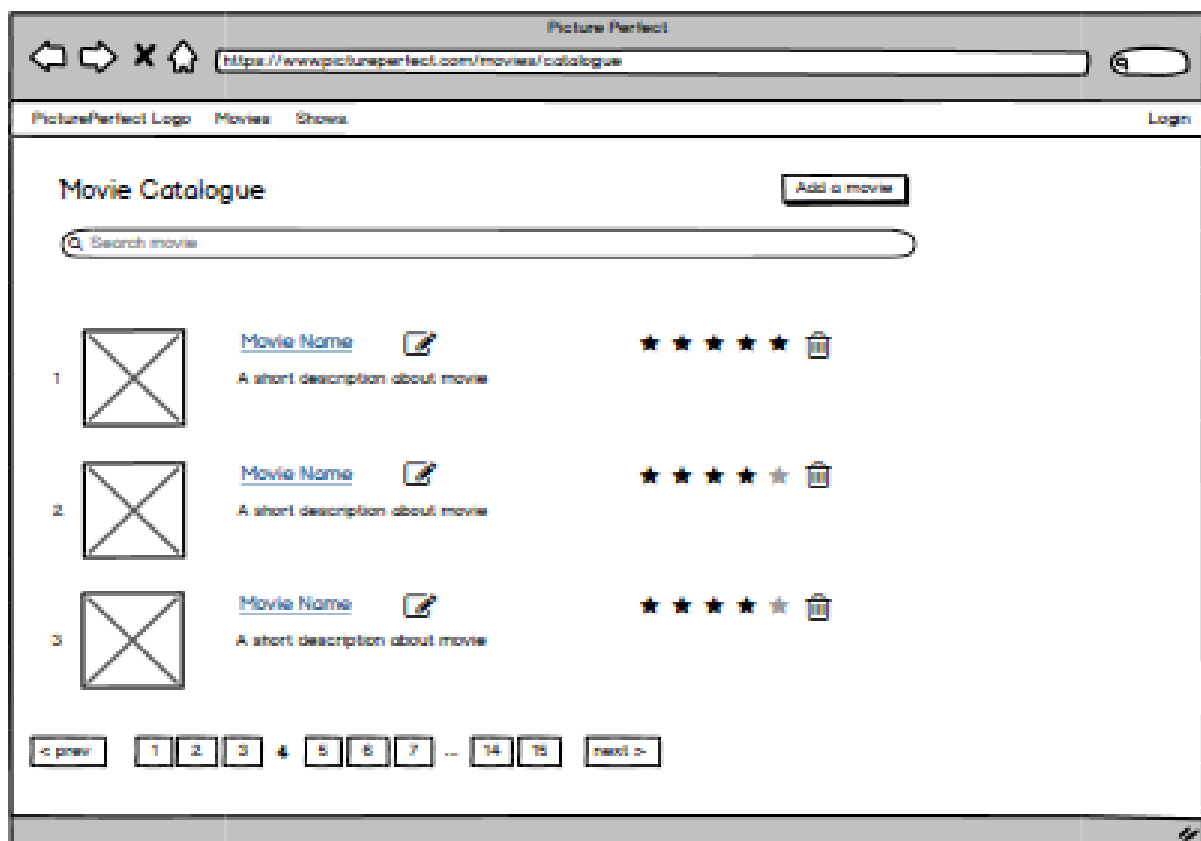
Movie 1: Show_1	Show_2	Show_3
Movie 2: Show_1	Show_2	Show_3
Movie 3: Show_1	Show_2	Show_3

< prev 1 2 3 4 5 6 7 ... 14 15 next >

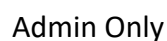
User only



Users only



Admin only



# List of Cineplex of city\_name

Add a Cineplex

1

Cineplex Name

A short description or address

Add a show

Movie 1 : Show_1			Show_2			Show_3		
Movie 2 : Show_1			Show_2			Show_3		
Movie 3 : Show_1			Show_2			Show_3		

2

Cineplex Name

A short description or address

Add a show

Movie 1 : Show_1			Show_2			Show_3		
Movie 2 : Show_1			Show_2			Show_3		
Movie 3 : Show_1			Show_2			Show_3		

## Other Technologies:

- **Deployment:** Docker
- **Code Repository:** Git
- **Server:** Amazon EC2

## Testing Strategy:

- **Functionality Testing:** The main goal of functional testing is to make sure that all the functions within a web app are working smoothly without any technical glitches
- **Web UI Testing:** Web UI testing will ensure that all the individual components within a web application are connected appropriately. We should check whether the interaction between these servers are executed properly or not with the help of this testing method.
- **Compatibility Testing:** Compatibility testing will check our website or web application for browser compatibility, operating system compatibility, mobile browsing and printing options.
- **Performance Testing:** Performance testing will help us determine the performance of our web application under various scenarios. Performance testing usually involves stress testing, scalability testing and load testing. In this testing method, website is usually tested for its functionality on different operating system, hardware platforms and more.
- **Security Testing:** This testing method is one of the most important ones for our web application as if data leaks or modifications are tolerable or not. It usually involves various things like testing the CAPTCHA for automates scripts logins, testing SSL for security measures, whether it is possible to access web directories or files directly or not and so on.