



# Movie Rating System

CSCI 5448 Object Oriented Analysis & Design  
Team# 39

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# OVERVIEW

- ↴ An online Movie Rating System as a web-application using Spring MVC
- ↴ Users can view/give ratings and reviews to movies
- ↴ Features like filtering based on Genre and Year of release could be done and sorting based on the rating are available

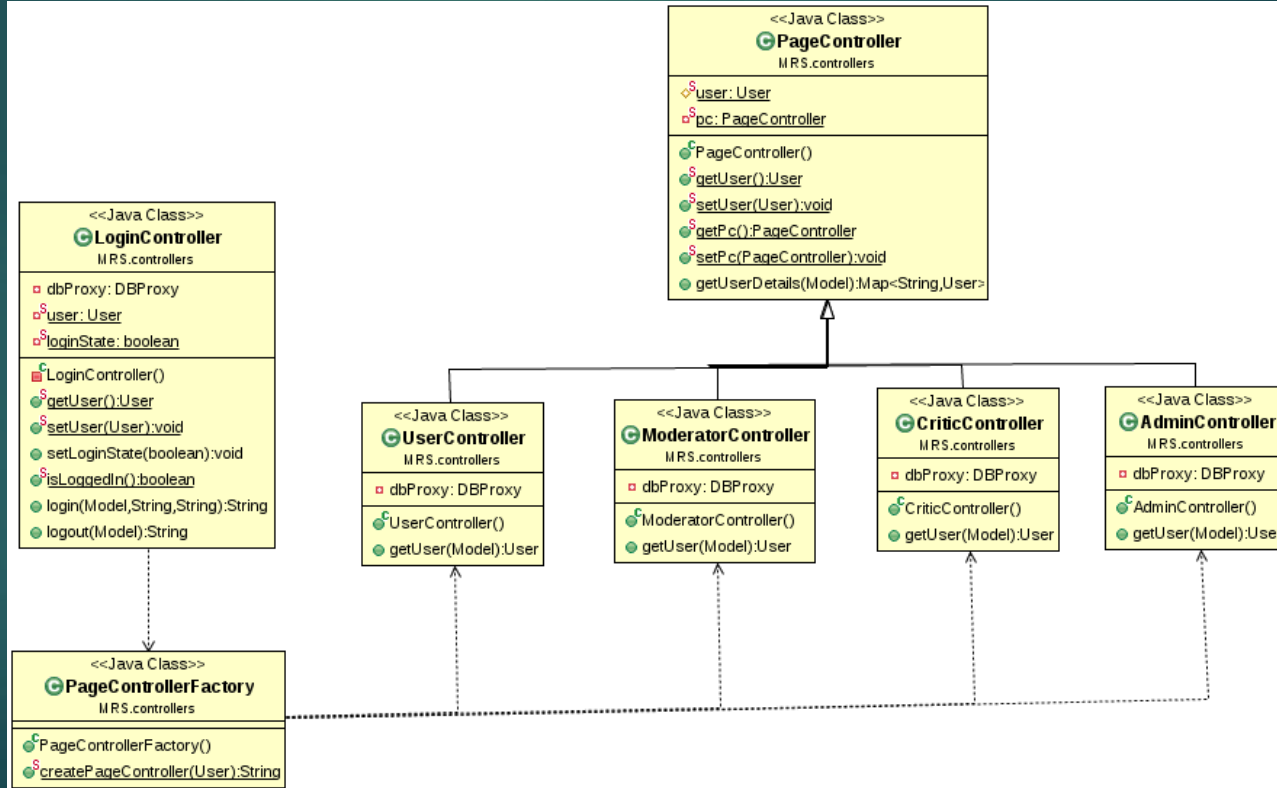
# USE CASES IMPLEMENTED

- User can Sign-up in the system depending on his/her role
- User can log-in/log-out to/from system
- The User can Rate/Review a Movie
- The Critic can Request to Add a new Movie
- The Admin/Moderator can Add a new Movie or approve a Critic's request
- The User can Delete their own review
- The User can Flag a Review
- The User can Delete the flagged review

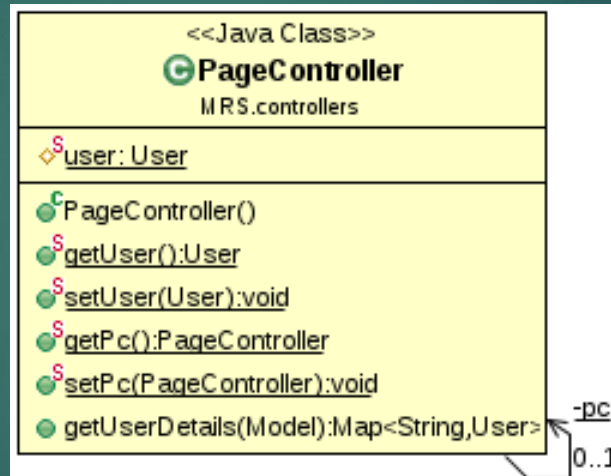
# DESIGN PATTERNS

- ↵ Factory Method
- ↵ Proxy
- ↵ Singleton
- ↵ MVC (Architectural Pattern)

# Factory Method Design Pattern for LoginController



# Singleton Design Pattern for PageController



# FUTURE DESIGN PATTERNS

- Memento : To save user preferences
- Flyweight : To store pictures of movie items as flyweight objects

# ANTI PATTERNS

- BLOB
- Initially had a Single Controller in the Class Diagram
- Separated the controller into different controllers related to specific class/task



THANK YOU

