

# Movie Web Application Requirements Document

Web App Class Homework 6-7

Updated 1/5/2019

## Objective

You are hired as an intern with Cinemark, a movie theatre chain in USA. Your assignment is to build a web application listing movie information for Cinemark's customers. Cinemark intends to use this website to market movie information to its moviegoers. Future additions include the use case to buy tickets. This website has two types of users (or roles): customer and admin.

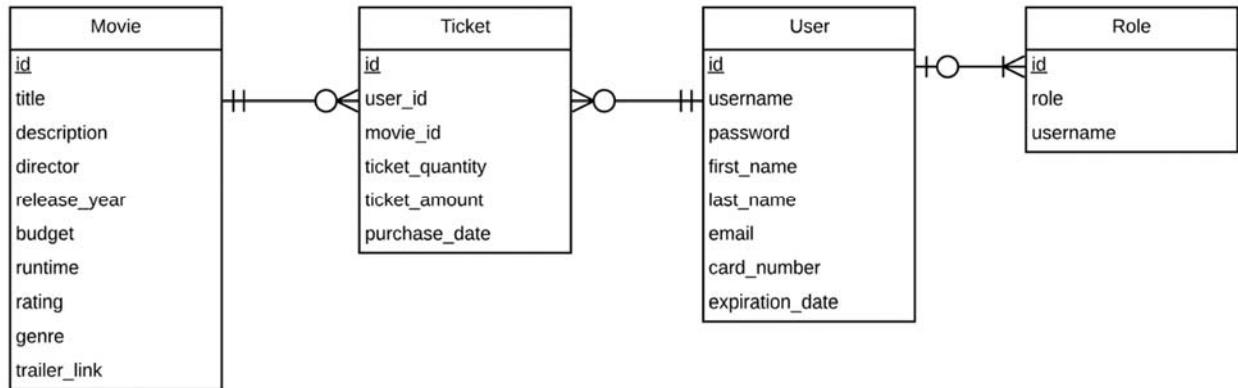
## Use cases

This website should have the following use cases:

	Use case	Page Name	Role(s)	Description
1	Login	Movie-login	Customer Admin	<ol style="list-style-type: none"><li>1. User login to the app.</li><li>2. Upon login, user is forwarded to Movie-list page.</li></ol>
2	View list of movies	Movie-list	Customer Admin	<ol style="list-style-type: none"><li>1. User views list of movies (show movie image and movie name).</li><li>2. Each movie has a link to Movie-details page. The link can be on the image or movie name.</li><li>3. Display a link on top of the page to Movie-add page.</li></ol>
3	View details of one movie	Movie-details	Customer Admin	<ol style="list-style-type: none"><li>1. User view details of one movie. Show movie image.</li><li>2. Show movie trailer from YouTube.</li><li>3. Display a link to Movie-update page.</li><li>4. Display a link to Movie-delete page.</li></ol>
4	Add data for a new movie	Movie-add	Admin	<ol style="list-style-type: none"><li>1. User adds data for a new movie.</li><li>2. Upon submission, user is forwarded to Movie-list page.</li></ol>
5	Update data for one movie	Movie-update	Admin	<ol style="list-style-type: none"><li>1. User updates data for one movie.</li><li>2. Upon submission, user is forwarded to Movie-list page.</li></ol>
6	Delete a movie	Movie-delete	Admin	<ol style="list-style-type: none"><li>1. User deletes one movie.</li><li>2. This is a PHP page no HTML display is needed.</li></ol>

## Database Information

### Entity Relationship Diagram (ERD)



### Movie table data structure

Attribute	Data Type	Size	Auto	NULL	Constraint
<b>id</b>	int	11	YES	NO	Primary
<b>title</b>	varchar	100		NO	
<b>description</b>	varchar	500		YES	
<b>director</b>	varchar	100		YES	
<b>release_year</b>	varchar	50		YES	
<b>budget</b>	varchar	50		YES	
<b>runtime</b>	varchar	50		YES	
<b>rating</b>	varchar	50		YES	
<b>genre</b>	varchar	50		YES	
<b>trailer_link</b>	varchar	200		YES	

### User table data structure

Attribute	Data Type	Size	Auto	NULL	Constraint
<b>id</b>	int	11	YES	NO	Primary
<b>username</b>	varchar	50		NO	
<b>password</b>	varchar	50		NO	
<b>first_name</b>	varchar	50		YES	
<b>last_name</b>	varchar	50		YES	
<b>email</b>	varchar	100		YES	
<b>card_number</b>	varchar	50		YES	
<b>expiration_date</b>	varchar	20		YES	

Role table data structure

Attribute	Data Type	Size	Auto	NULL	Constraint
id	int	11	YES	NO	Primary
username	varchar	50		NO	
role	varchar	20		NO	

Ticket table data structure

Attribute	Data Type	Size	Auto	NULL	Constraint
id	int	11	YES	NO	Primary
movie_id	int	11		NO	
user_id	int	11		NO	
ticket_quantity	int	11		NO	
ticket_amount	float			YES	
purchase_date	varchar	20		YES	

## Web Application Site Map

