

Introduction

This document describes the features and functionality of the Library video management project. The purpose of the document is to define the feature set and behavior of each feature

Application Functionalities

The following table enumerates all application functionalities and their description.

Role	Functionalities
Client	<ul style="list-style-type: none">• Lists all the films• Rents a film• Return all the rented films
Administrator	<ul style="list-style-type: none">• Lists all the films• Rents a film• Return all the rented films• Manages selected film• Lists all the registration requests• Manages selected registration• Lists all the directors• Manages selected director

Detailed Use Cases

Authentication and Authorization

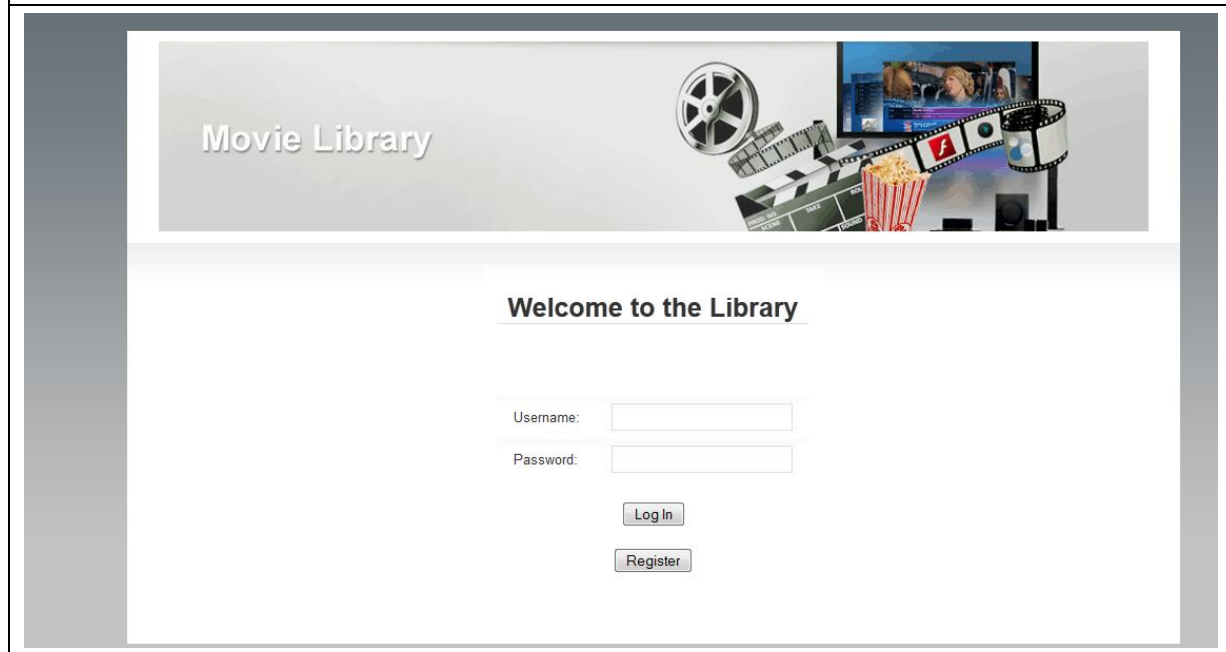
AU01: Authentication

This use case enables users to access the application by authenticating them and checking their authorization to access certain modules of application.

Main Process		
	User Actions	System Responses
01	User accesses the "Login Page".	System displays the Login page.
02	User enters Username and Password and submits the form.	System authenticates the user against Active Directory.
03		System determines user's role from the database.

04		System displays the application's home page.
Alternate Process		
A01	After 02 in the Main process when system determines that a user is marked as inactive.	
01		System displays the appropriate error message above the login form notifying the user that he/she does not have access to the application.

Screenshot



AU02: Authorization

This use case enables users to access certain application functionality.

Main Process		
	User Actions	System Responses
01	User accesses the desired application functionality.	System checks if the user has appropriate role or appropriate features granted.
02		System determines that user has been granted access to the requested functionality.
03		System allows access to the requested functionality.

AU03: Logout

This use case enables users to end current application session.

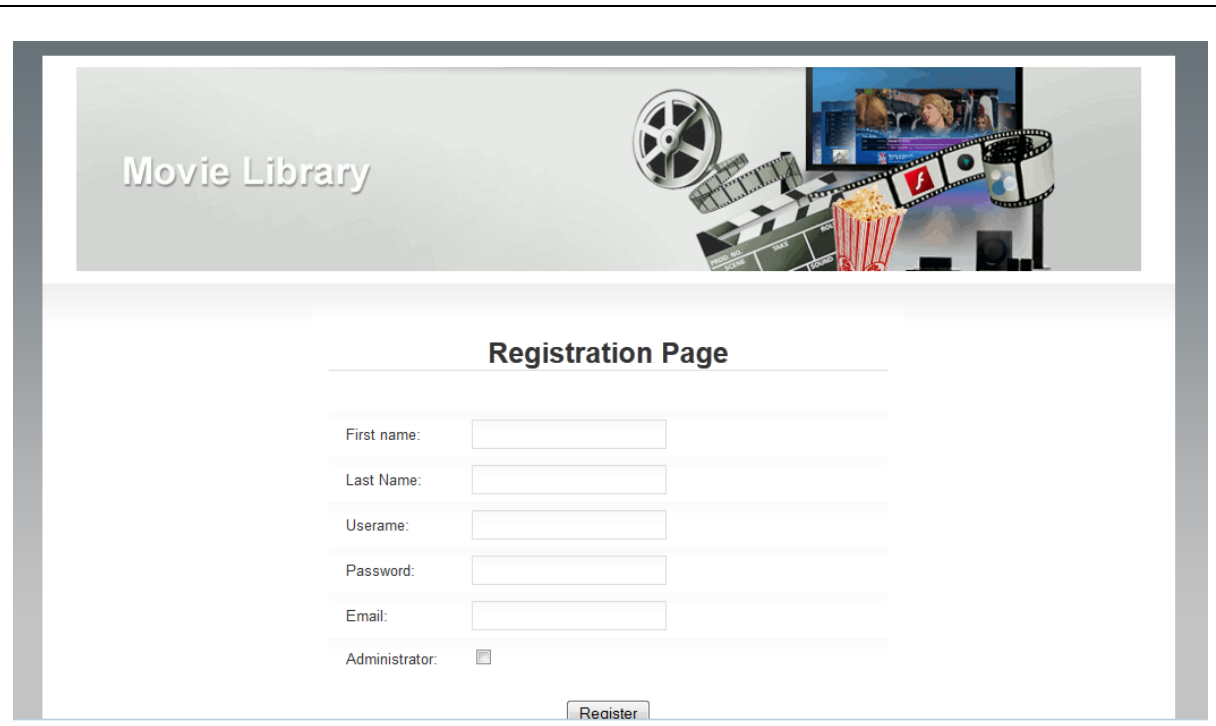
Main Process		
	User Actions	System Responses
01	User selects the Logout button.	System will terminate the user's session.
02		System will display login page.

AU04: Register

This use case enables new users to register themselves to the system.

Main Process		
	User Actions	System Responses
01	User selects "Register" button	System displays the Registration form.
02	User populates required fields.	
03	User clicks on "Register" button	System searches to check if the user with the same username, who is active, already exists, or if there are format errors.
Alternate Process		
A01	After the step 03 in the Main Process when system finds a case with the same username in the system or formatting errors.	
01		System displays the Register Step 2 page, informing the user about found case.

Screenshot



The screenshot shows a web page titled "Movie Library" with a header image featuring a film reel, a clapperboard, a movie screen, and a bucket of popcorn. Below the header is a "Registration Page" form. The form contains the following fields: "First name:", "Last Name:", "Username:", "Password:", "Email:", and "Administrator:" with a checkbox. A "Register" button is located at the bottom right of the form.

Films management

01: List films

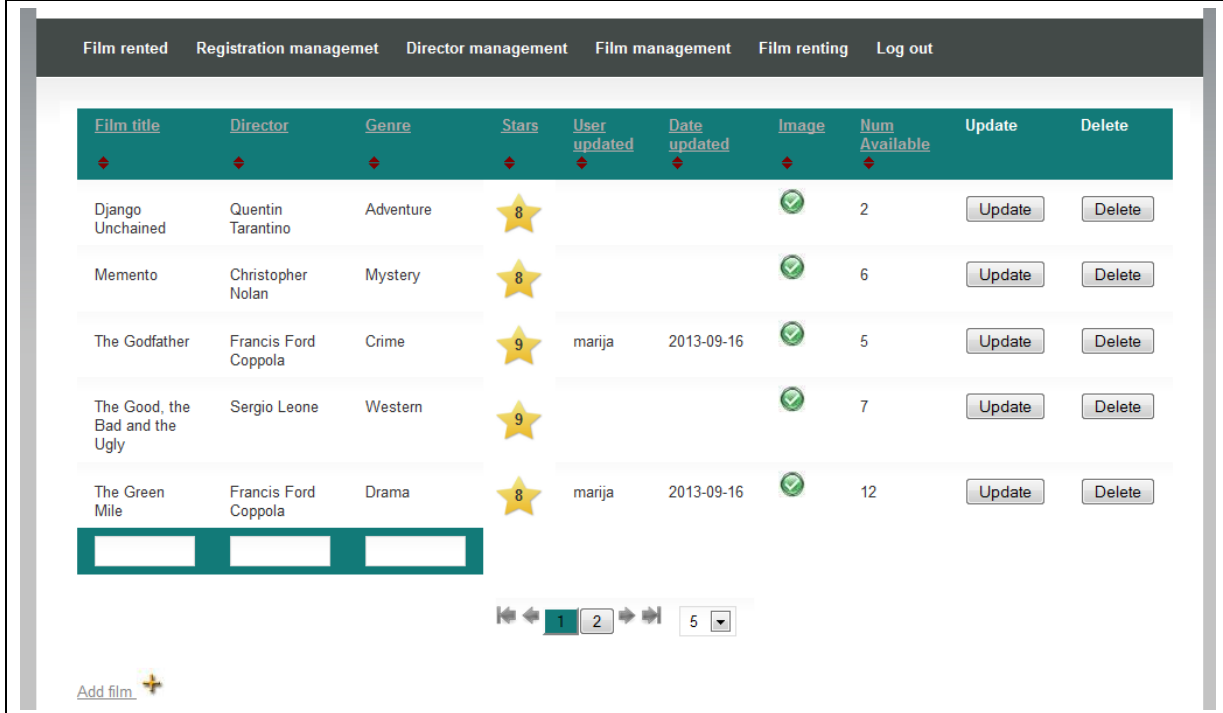
Role: Administrator

This use case enables users to view a list of films.

Main Process		
	User Actions	System Responses
01	User selects the "Film management" menu.	System displays the films table.
Alternate Process		
Output		
<p>Films table has the following columns:</p> <ul style="list-style-type: none">Film Title – title of the filmDirector – name of the film directorGenre – the genre of the movieStars – rating of the movieUser updated – which user update the filmDate of update – date of film update		

- Image – if the image is available for the movie or not
- Num available – number of remaining films
- Update – button for updating film
- Delete – button for deleting film

Screenshot



B002: Edit existing film

Role: Administrator

This use case enables users to edit information about existing film.

Main Process		
	User Actions	System Responses
01	A user clicks update button in the table row	Systems displays the edit page for the selected row in the films table
02	User submits his/her changes	System checks if all the entered fields are formatted properly and if the film with same title already exists and then stores changes and updates the table.
Alternate Branches		
A01	After 02 in the Main Process when system determines that there is some error.	
01		System displays the same page stating that user didn't entered the fields correctly or that the film already

		exists.
Screenshot		

B003: Add new film

Role: Administrator

This use case enables users to add new film into the system.

Main Process		
	User Actions	System Responses
01	A user clicks Add film link on the page film managment	Systems displays the new film page
02	User submits his/her changes	System checks if all the entered fields are formatted properly and if the film with same title already exists and then stores changes and updates the table.
Alternate Branches		
A01	After 02 in the Main Process when system determines that there is some error.	
01		System displays the same page stating that user didn't entered the fields correctly or that the film already exists.

Screenshot

Film create

Film title:

Director:

Genre:

Stars raiting:

Remaining:

[Back](#)

No file selected.

No image to display

B004: Delete film

Role: Administrator

This use case enables users to delete existing film from the system.

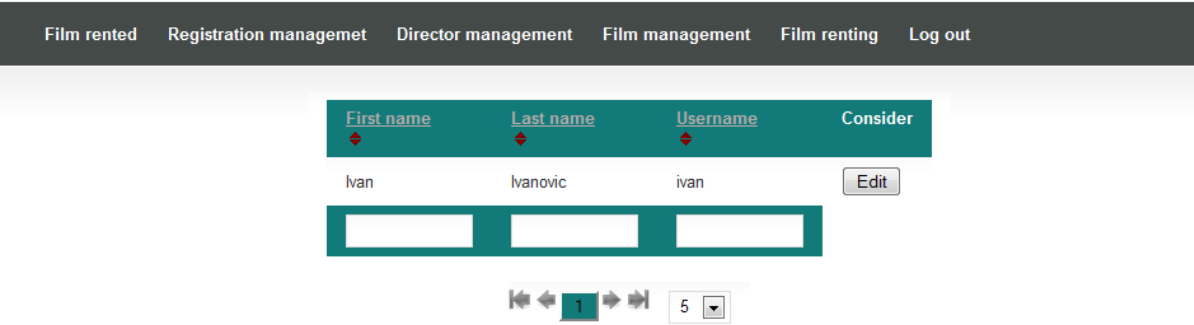
Main Process		
	User Actions	System Responses
01	A user clicks delete button in the table row on the page film managment	System checks if the film is rented.
	End of the flow.	
Alternate Branches		
A01	After 01 in the Main Process when system determines that the film is rented.	
01		System displays the same page stating that the film can not be deleted.

Registrations managment

Role: Administrator

RE01: List registrations

This use case enables users to view a list of sent registrations.

Main Process		
	User Actions	System Responses
01	User selects the “Registration management” menu.	System displays the registrations table.
Screenshot		
		

RE02: Manage registration

This use case enables users to manage selected registration request.

Main Process		
	User Actions	System Responses
01	A user clicks edit in the table row	Systems displays the edit page for the selected row in the films table
02	User submits his/her changes	System checks if all the entered fields are formatted properly and if user with that username who is active already exists in the system and then stores changes and updates the table.
Alternate Branches		
A01	After 02 in the Main Process when system determines that the fields are not entered in the right format.	
01		System displays the same page stating that user made errors during input or that username already exists in the system.

Screenshot

[Film rented](#) [Registration managemet](#) [Director management](#) [Film management](#) [Film renting](#) [Log out](#)

Consider registration

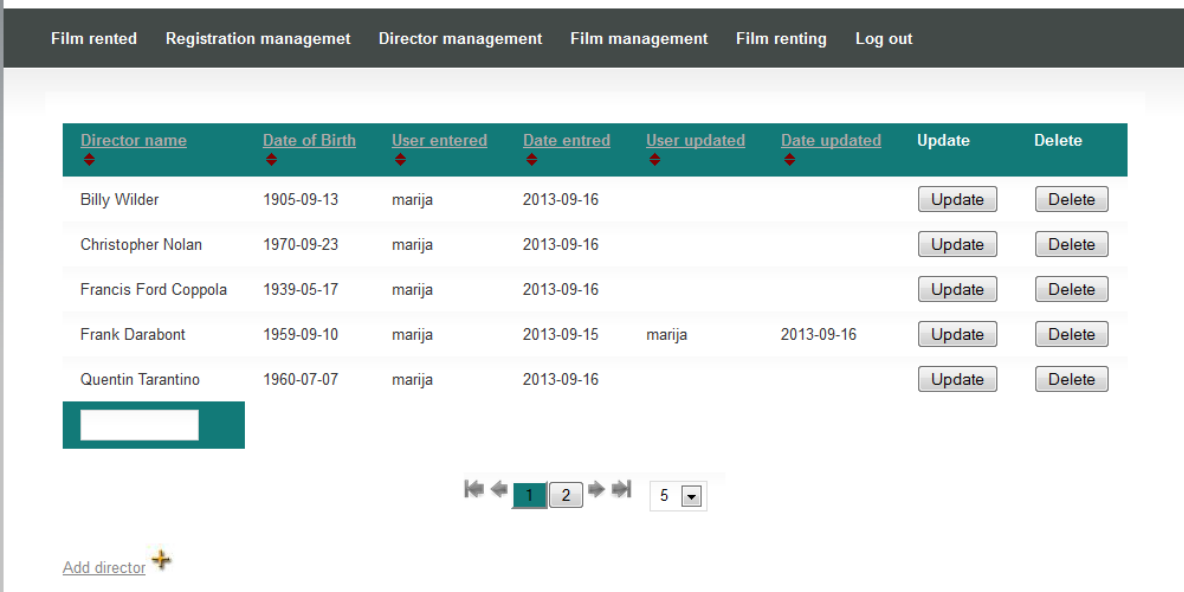
First name:	<input type="text" value="ivan"/>
Last name:	<input type="text" value="ivanovic"/>
Username:	<input type="text" value="ivan"/>
Password:	<input type="text" value="ivan"/>
Allowed films:	<input type="text" value="0"/>
Email:	ivan@gmail.com
Administrator:	<input type="checkbox"/>
Approve:	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="button" value="Change"/>	
Back	

Directors managment

Role: Administrator

AT01: List directors

This use case enables users to view a list of all directors in system.

Main Process		
	User Actions	System Responses
01	User selects the “Directors management” menu.	System displays the directors table.
Screenshot		
		

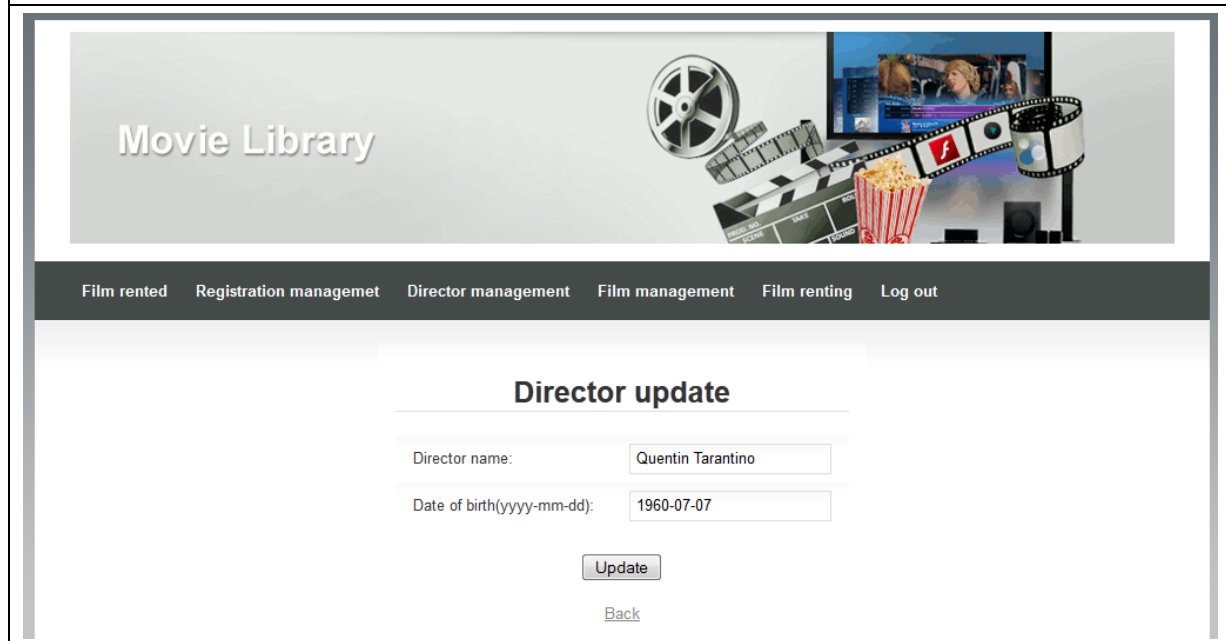
AT02: Edit existing director

This use case enables users to edit information about existing director.

Main Process		
	User Actions	System Responses
01	A user clicks update button in the table row	Systems displays the edit page for the selected row in the directors table
02	User submits his/her changes	System checks if all the entered fields are formatted properly and if the director with same name already exists and then stores changes and updates the table.

	Alternate Branches	
A01	After 02 in the Main Process when system determines that there is some error.	
01		System displays the same page stating that user didn't entered the fields correctly or that the director already exists.

Screenshot

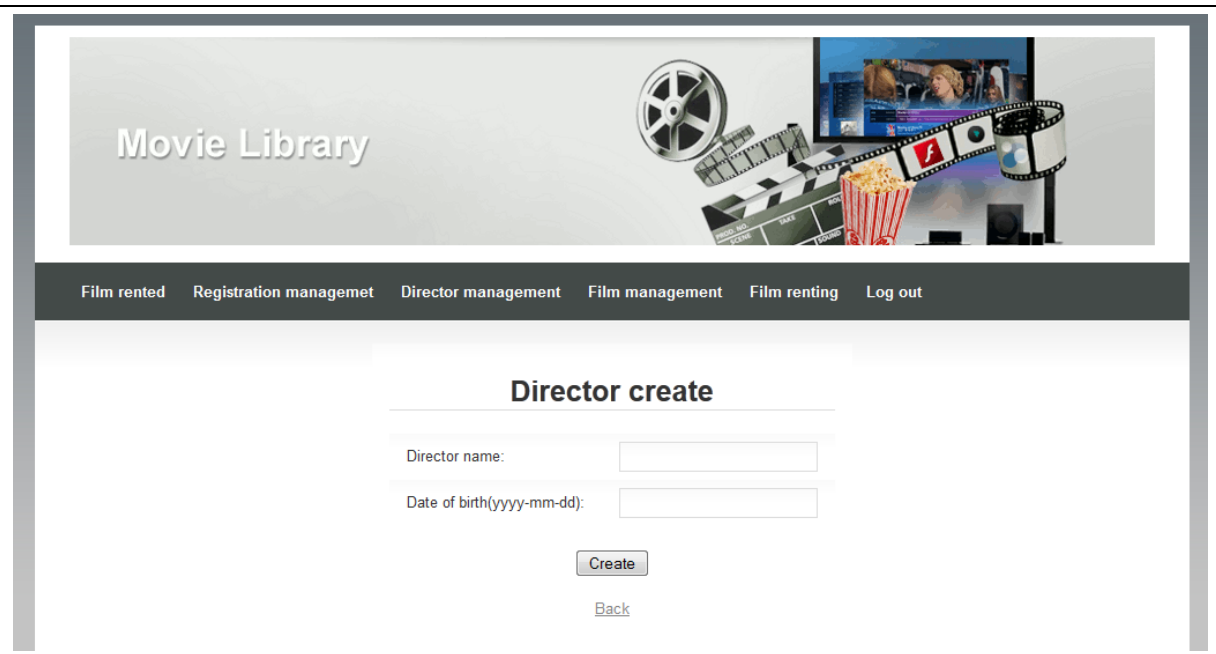


AT03: Add new director

This use case enables users to add new director into the system.

Main Process		
	User Actions	System Responses
01	A user clicks Add director+ link on the director managment	Systems displays the edit page for the selected row in the directors table
02	User submits his/her changes	System checks if all the entered fields are formatted properly and if the director with same name already exists and then stores changes and updates the table.

Screenshot



AT04: Delete director

This use case enables users to delete existing director from the system.

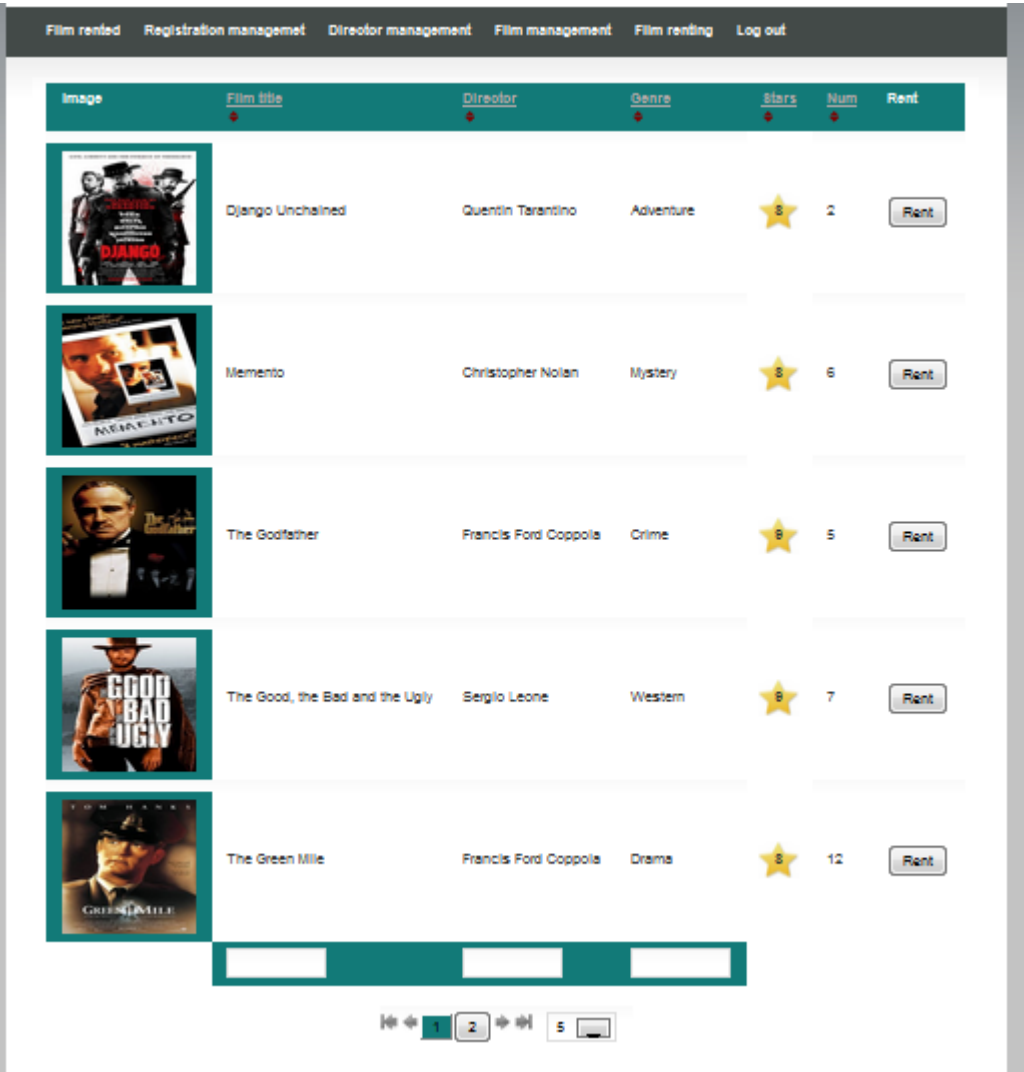
Main Process		
	User Actions	System Responses
01	A user clicks delete button in the table row	System checks if the director is assigned to some film.
Alternate Branches		
A01	After 01 in the Main Process when system determines that the director is assigned to some film.	
01		System displays the same page stating that the director can not be deleted.

Film renting

Role: Administrator and Client

BOR1: List available films

This use case enables users to view a list of available films.

Main Process		
	User Actions	System Responses
01	User selects the “Film renting” menu.	System displays the films table.
Screenshot		
		

BOR2: Rent film

This use case enables users to rent films.

Main Process		
	User Actions	System Responses
01	A user clicks rent button in the table row	System checks if a film can be rented and rents the film
Alternate Branches		
A01	After 01 in the Main Process when system determines that film can not be rented.	
01		System displays the same page stating that user can not rent that film.

BOR3: Return all films

This use case enables users to return all the rented films.

Main Process		
	User Actions	System Responses
01		System displays all rented films and button which enables user to return them. If there are no rented films system displays message “no films rented” and hides button.
02	A user clicks “Return all films” button	System checks if a user rented some films and returns them to the LM system.

Screenshot

The screenshot displays a web application interface for a film rental system. At the top, a dark navigation bar contains links: 'Film rented', 'Registration managemet', 'Director management', 'Film management', 'Film renting', and 'Log out'. Below this, a white area shows a welcome message 'Welcome Marija Milicevic'. A table lists rented films with columns 'Title', 'Director', and 'Date of rent'. The table contains two rows: 'Memento' by Christopher Nolan and 'Django Unchained' by Quentin Tarantino, both with a date of '2013-09-17'. Below the table is a button labeled 'Return all films'. At the bottom, a form displays user details: 'First Name: Marija', 'Last Name: Milicevic', 'Username: marija', and 'Allowed Films: 1'.

Title	Director	Date of rent
Memento	Christopher Nolan	2013-09-17
Django Unchained	Quentin Tarantino	2013-09-17

Return all films

First Name: Marija Last Name: Milicevic Username: marija Allowed Films: 1