

Faculty of Computers, Informatics and Microelectronics  
Technical University of Moldova

Web Technologies  
Laboratory work # 3

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Implement basic Create, Read, Update, Delete operations for the  
defined model.

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## Laboratory work #3

### 1 Laboratory Work Requirements

#### Main requirements:

- Define one model;
- Implement basic Create, Read, Update, Delete operations for the defined model;

#### Bonus points:

- 2 or more models are defined and there are some relations between them (FK, MtM...); 2pt
- Define and ImageField or something related in a model. Display the uploaded image in detail view; 1pt
- On the list view, implement some basic filtering (search field, etc...); 1pt

## 2 Laboratory work implementation

### 2.1 Tasks and Points

#### Main requirements:

- Define one model;
- Implement basic Create, Read, Update, Delete operations for the defined model;

**All main requirements are implemented !**

#### Bonus points:

- 2 or more models are defined and there are some relations between them (FK, MtM...); 2pt  
- In this project are 4 models and between them are relations. (Country, Director, Language, Movie).
- Define and ImageField or something related in a model. Display the uploaded image in detail view; 1pt  
- Movie model contains an ImageField , actually I stored a path to image in database. Images are displayed in the detail view.
- On the list view, implement some basic filtering (search field, etc...); 1pt  
- On the list view ( "Index" , "Movie" ) user can filter movies by genre.

**4p / 4p**

## 2.2 Laboratory work analysis

Link to my repository - [https://github.com/Vladd97/Web\\_Technology.git](https://github.com/Vladd97/Web_Technology.git)

### About DataBase

I used migration to seed the data base. So in this way anybody can download this project , open nugget package console and type:

1. enable-migration;
2. update-database.

After that in your database will be generated all required tables and all required data will be introduced in that tables . So you have just to update your database and run project .

### About Project

I've chosen to make a movie site where you can find films to watch. On this site you will also be able to sort movies by genres and rate them.

### This site has 3 main pages :

- Most popular - there user can find most popular films on the site. A film is popular if film rating > 700.
- Movie - there user can sort movies by genres and choose the one he likes.
- CRUD –By clicking on CRUD user will be redirected to Admin Page where he can Create, Update and Delete Movie Model. In the future laboratory work only admin will have access to that page.

### 3.3 Screens

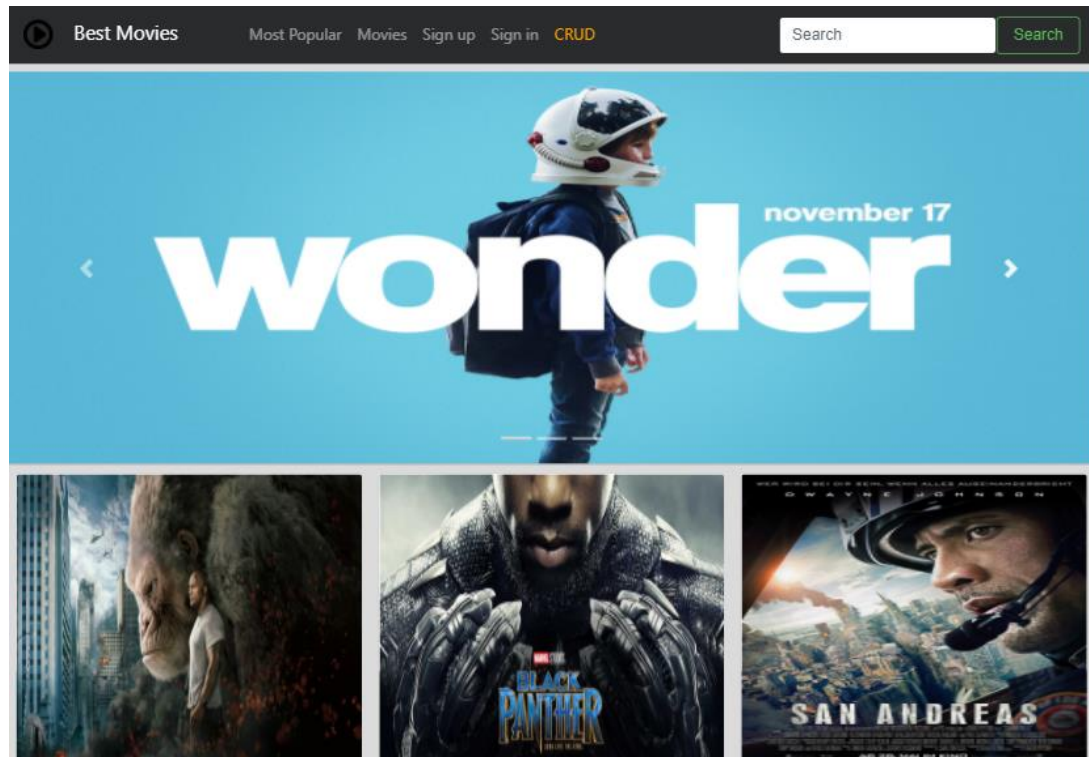


Figure 1. Most Popular Page

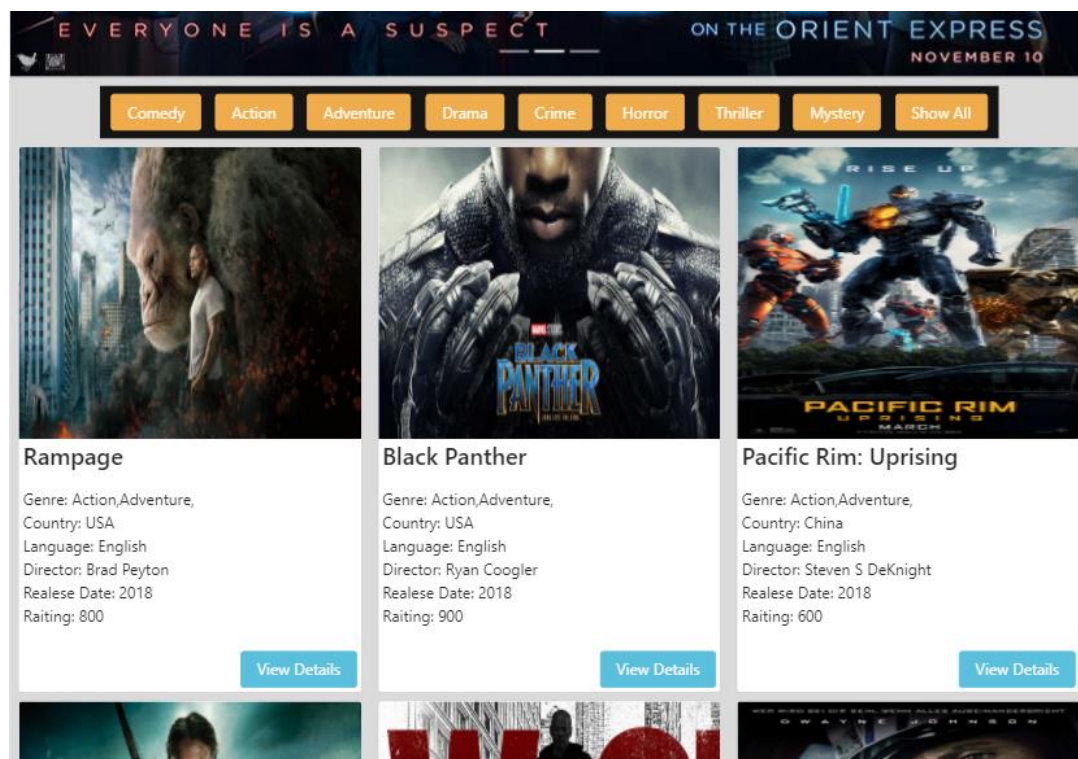


Figure 2. Movie Page

Best Movies

[Most Popular](#)
[Movies](#)
[Sign up](#)
[Sign in](#)
[CRUD](#)

THE END.

PART III

APRIL 24

Hangover 3

In the aftermath of the death of Alan's father, the wolfpack decide to take Alan to get treated for his mental issues. But things start to go wrong on the way to the hospital as the wolfpack is assaulted and Doug is kidnapped. Now they must find Mr. Chow again in order to surrender him to the gangster who kidnapped Doug in order to save him...

Genre: Comedy,,

Realese Date: 2013

Duration: 100 min

Raiting: 895

Raiting: 89.5%

Raiting - 89.5%

Hangover 3 Film

Figure 3. View Detail Page

Best Movies

[BackToMovies](#)
[Home](#)
[Create](#)
[Edit&Delte](#)

Choose Movie you wanna edit & delete

Id	Title	Realese Date	Raiting		
1	Rampage	2018	800	<a href="#">Edit</a>	<a href="#">Delete</a>
2	Black Panther	2018	900	<a href="#">Edit</a>	<a href="#">Delete</a>
3	Pacific Rim: Uprising	2018	600	<a href="#">Edit</a>	<a href="#">Delete</a>
4	Tomb Raider	2018	450	<a href="#">Edit</a>	<a href="#">Delete</a>
5	Death Wish	2018	250	<a href="#">Edit</a>	<a href="#">Delete</a>
6	San Andreas	2015	720	<a href="#">Edit</a>	<a href="#">Delete</a>
7	Knock Knock	2015	310	<a href="#">Edit</a>	<a href="#">Delete</a>
8	Hostel	2005	190	<a href="#">Edit</a>	<a href="#">Delete</a>
9	Hostel2	2007	410	<a href="#">Edit</a>	<a href="#">Delete</a>

Figure 4. CRUD – Edit & Delte

## Edit

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Title

PicturePath

Duration

RealeseDate

Raiting

Description

Genre1

Genre2

Figure 5. CRUD – Movie Form (Edit)

## Conclusion

During this laboratory work :

- I learned what is an ORM and how to use it;
- I got more familiar with MVC pattern;
- I understood what is BusinessLogic pattern and also I implemented it.

## References

pluralsight - <https://app.pluralsight.com/player?course=mvc4-building&author=scott-allen&name=mvc4-building-m0&clip=0&mode=live>