



CEN 308 SOFTWARE ENGINEERING

PROJECT DOCUMENTATION

Movie Streaming Platform

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1. Introduction

This document represents the basic template of the documentation that you need to submit along with your project. Your documentation *should contain all the content* that is mentioned here. However, if you want to add additional sections to the document, rearrange it or redesign it, you are welcome to do so, as long as you keep all of the content that is required here.

There will not be a separate LMS submission for the documentation. Instead, you will add this documentation file to your *project repository on GitHub* once you are done.

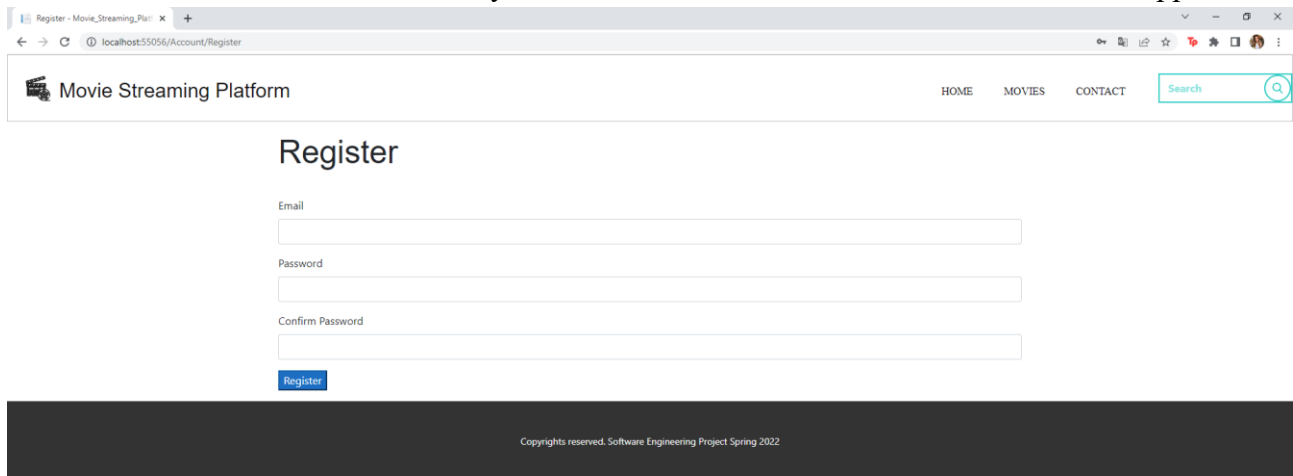
As a final note, before submitting your final project version, go over the [project requirements](#) one more time and make sure that your project was done in accordance with them. You may delete these three paragraphs in your final document.

1.1. About the Project

For our project we decided to make a different web application from our initial idea. The application we wanted to use was only applicable as a mobile application, that's why we decided to go in a different route. Our project is based on movie streaming application. With popularity that Netflix and other famous streaming platforms have, we thought that our application can be useful and that it has a lot of potential. We made sure to use knowledge we gained from the current year and previous years to complete this project successfully.

1.2. Project Functionalities and Screenshots

1. The user can successfully make an account for our web application.



The screenshot displays a web browser window with the address bar showing 'localhost:55056/Account/Register'. The page title is 'Register - Movie_Streaming_Platform'. The header includes the site name 'Movie Streaming Platform', navigation links 'HOME', 'MOVIES', and 'CONTACT', and a search bar. The main content area is titled 'Register' and contains three input fields labeled 'Email', 'Password', and 'Confirm Password'. A blue 'Register' button is positioned below the 'Confirm Password' field. The footer of the page states 'Copyrights reserved. Software Engineering Project Spring 2022'.

2. After finishing register process, user can use his login information to login to the website.

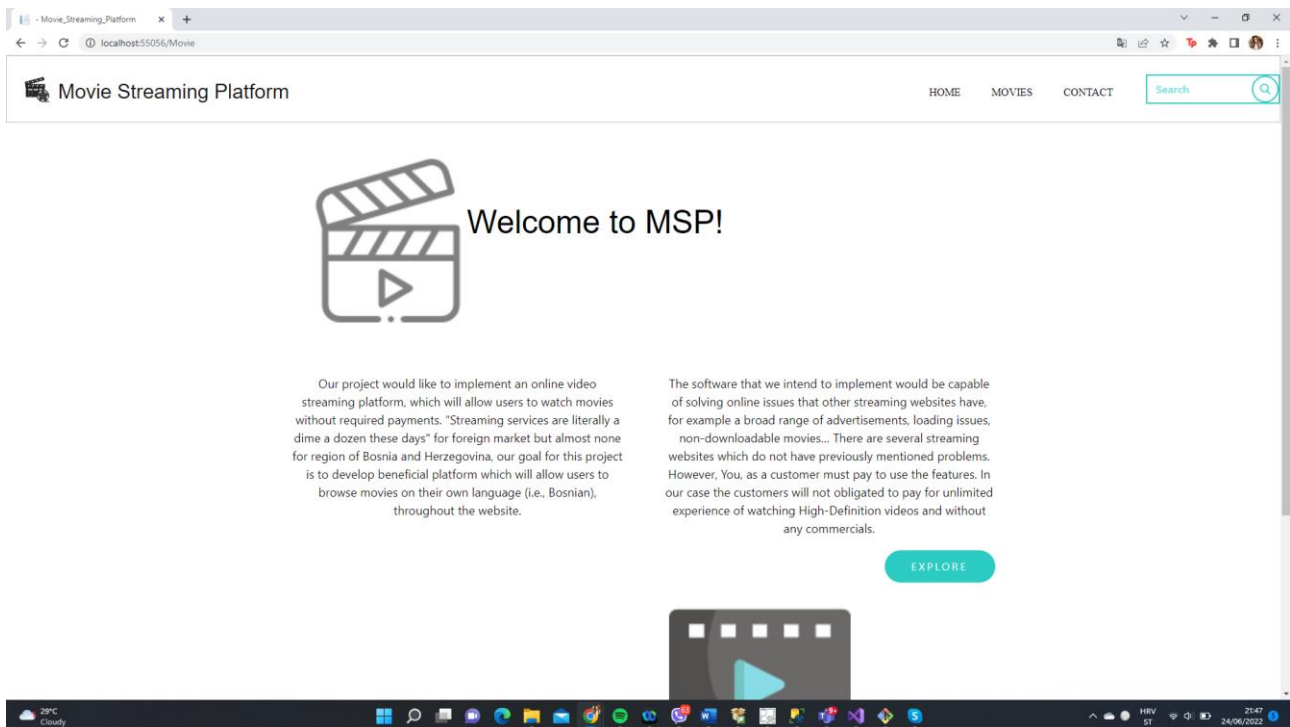
The screenshot shows a web browser window with the address bar displaying 'localhost:55056/Account/Login'. The page title is 'Login'. The header includes the 'Movie Streaming Platform' logo, navigation links for 'HOME', 'MOVIES', and 'CONTACT', and a search bar. The main content area contains a login form with fields for 'Email' and 'Password', a 'Remember Me' checkbox, and a blue 'Login' button. The footer displays 'Copyrights reserved. Software Engineering Project Spring 2022'.



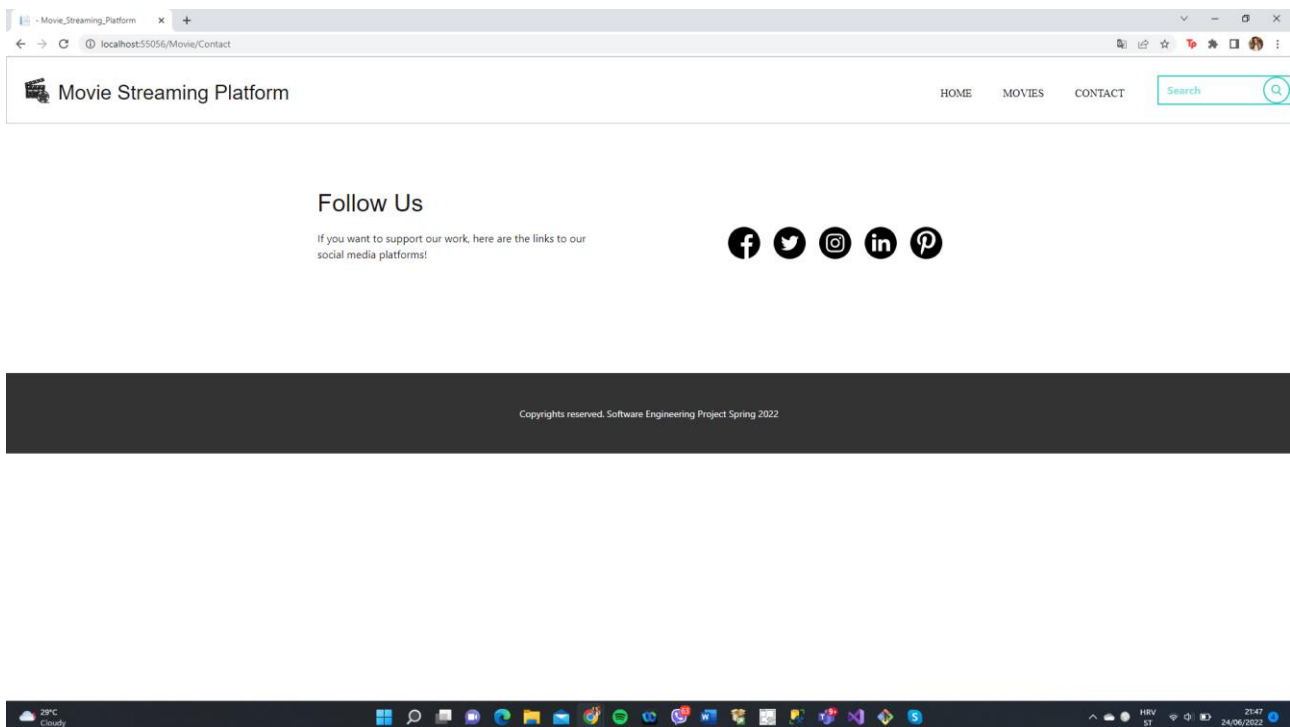
3. When user enters the application, he can choose if he wants to register or login to the website.

The screenshot shows a web browser window with the address bar displaying 'localhost:55056'. The page title is 'CS308 Software Engineering Project'. The main content area features a large blue heading 'Welcome to The Movie Streaming Platform' and two prominent blue buttons labeled 'LOGIN' and 'REGISTER'. A OneDrive notification window is visible in the bottom right corner, stating 'Screenshot saved. The screenshot was added to your OneDrive.' The Windows taskbar at the bottom shows system tray icons and the date and time: 21:47 on 24/09/2022.

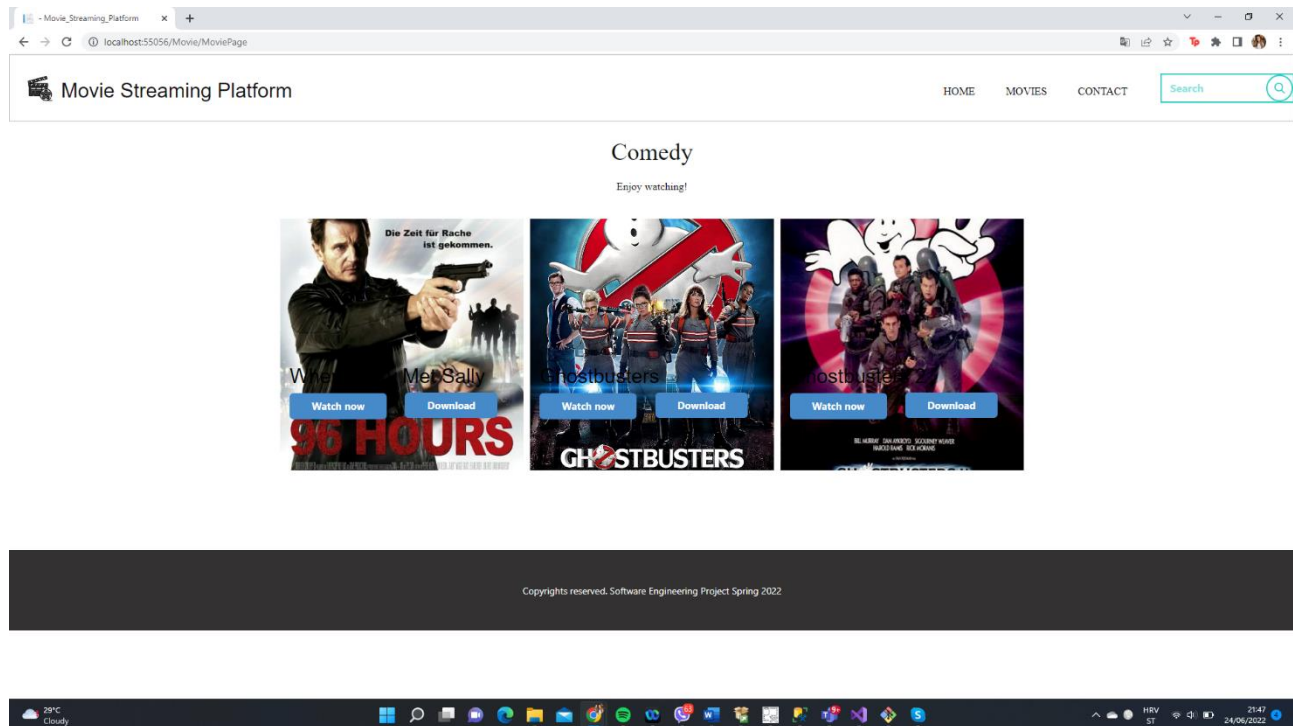
4. When user completes login, they will enter the application main interface, where they can see basic information about our website. On the right corner, the user can choose if he wants to go back to the home page, chose genre of the movie, chose to contact us or if they want to use a search bar to find a specific movie.



5. When user scrolls down from our home page, they can find socials connected to our website and name.



6. When user chooses genre of the movie, website will pick top recommendation for them and show those movies. It provides customer with 2 options: to watch the movie on our website or to download it.



2. Project Structure

2.1. Technologies

Technologies we used for this project are:

MSSQL

Dotnet core

Nicepage autogenerated frontend for frontend

2.2. Database Entities

Database entities for Movies database are: Name, ReleaseDate, Category, UnitPrice, MemoryLocation (movie mp4 file), PhotoMemoryLocation (cover photo of the movie)

2.3. Architectural Pattern

For this application, we choose to work with MVC (Model-View-Controller) architecture. In this architecture pattern there are three parts: Model, View and Controller. Model works with data logic. View displays the information from the model to the user while controller: controls the data flow into a model object and updates the view whenever data changes. We thought that this is the best method to work with in our case, especially since this web page needs a strong backend manipulation.

3. Testing

Since we wanted to make sure that certain parts of the application are verified, we decided to make tests which will be run before the deadline, to make sure that everything works correctly, while

having enough time to fix the issues. The platform we decided to use for testing is QASE.io which lets the user write detailed tests using Gherkin syntax. These are our test run results.

SMOKE:

The screenshot shows the QASE.io interface for a test run titled "Test run 2022/06/24". The left sidebar contains navigation options: TESTS (Repository, Shared Steps, Review), EXECUTION (Test Plans, Test Runs, Configurations, Environments), and ISSUES (Defects, Requirements, Milestones). The main area displays a table of test cases under the "Login" category. The table has columns for Title, Assignee, Time spent, and Results. The right sidebar shows "Test Run Details" with a donut chart indicating a completion rate of 0%.

Title	Assignee	Time spent	Results
VerifyRegistrationWithValidCredentials	Nejra Jerlagic		...
VerifyRegistrationWithAWeakPassword	Nejra Jerlagic		...
VerifyLoginWithExistingAccount ExistingEmail: jerlagicnejra@gmail.com	Nejra Jerlagic		...
VerifyLoginWithNonExistingValues ExistingEmail: jerlagicnejra@gmail.com	Nejra Jerlagic		...
VerifyRegistrationWithAnExistingAccount ExistingEmail: jerlagicnejra@gmail.com	Nejra Jerlagic		...

Test Run Details

- Completion rate: Completed 0%
- Test plan: Smoke
- Started by: Nejra Jerlagic
- Start time: 2022-06-24 23:02:02

REGRESSION:

The screenshot shows the QASE.io interface for a test run titled "Test run 2022/06/24". The left sidebar is the same as the previous screenshot. The main area displays a table of test cases under the "Regression" category. The table has columns for Title, Assignee, Time spent, and Results. The right sidebar shows "Test Run Details" with a donut chart indicating a completion rate of 10%.

Title	Assignee	Time spent	Results
VerifyHomeScreen	Nejra Jerlagic		...
VerifyMoviesScreen	Nejra Jerlagic		...
VerifyContactScreen	Nejra Jerlagic		...
VerifyMovieScreenWithoutMovies	Nejra Jerlagic		...
VerifyMoviesDropdownDoesNotShow	Nejra Jerlagic		...
VerifyMoviesDropdownDetailed	Nejra Jerlagic		...

Title	Assignee	Time spent	Results
VerifyOneOrMoreMoviesPresent	Nejra Jerlagic		...
VerifyWatchNowButton	Nejra Jerlagic	00:00:08	Failed
VerifyDownloadButton	Nejra Jerlagic		...

Title	Assignee	Time spent	Results
VerifySideBar	Nejra Jerlagic		...

Test Run Details

- Completion rate: Completed 10%
- Test plan: Regression
- Started by: Nejra Jerlagic
- Start time: 2022-06-24 23:04:38
- Time spent: 00:00:08

4. Conclusion

We are satisfied with functionality of our application and how smooth is the process. We are happy with how our application gives feedback to the user in many cases. Our web application has its place in the current market. The tests went smoothly, and we didn't have many issues during the project. Most challenging part was defiantly trying to find best way to use all knowledge we gained so far. We had wonderful time working together on this project and I hope you'll enjoy with our product and work we did.