

**SDLC PROJECT ON
DVD STORE MANAGEMENT SYSTEM**

Team Number : 23

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DVD STORE MANAGEMENT SYSTEM



1.Requirements

1.1. Introduction

DVD store management system is specially designed for the purpose of adding daily DVD records in a CD/DVD store. This system makes easy for storing records as it is not time consuming. It easy to store, user just has to select DVD categories like : Movies, series, musics, animated, adults. Each of the record contains unique DVD id no. which makes easy to search. All the DVD records are maintained with their Availability Status (yes/no), their price and quantity. Each and every records are displayed in a systematic way so that the user won't find difficulties in viewing records. The whole project is designed in 'C' Programming language and different variables and strings have been used for the development of this project. It's easy to operate and understand by users. There's no any error and warning contents in the project and the design is simple and user won't find it difficult to use and navigate.

DVD store management system is specially designed for the purpose of adding daily DVD records in a CD/DVD store. This system makes easy for storing records as it is not time consuming. It easy to store, user just has to select DVD categories like : Movies.

BENEFITS

1. Gaining access to a much wider collection.
2. Saving time.
3. Saving money.
4. Managing your entertainment budget.

1.2.Proposed System

As this new system will be fully automated, so manual processing will be not required to achieve any task. This system will not only keep records of the cassettes which are being sold under this shop but it will also able to maintain records or their customers and make modifications as and when required. Admin will have the option of getting all the records by using single option provided under the cd shop menu section. To make easy processing work, admin have to only enter the correct option without pressing any other button and this system will identify their choice and take action based on their selected option.

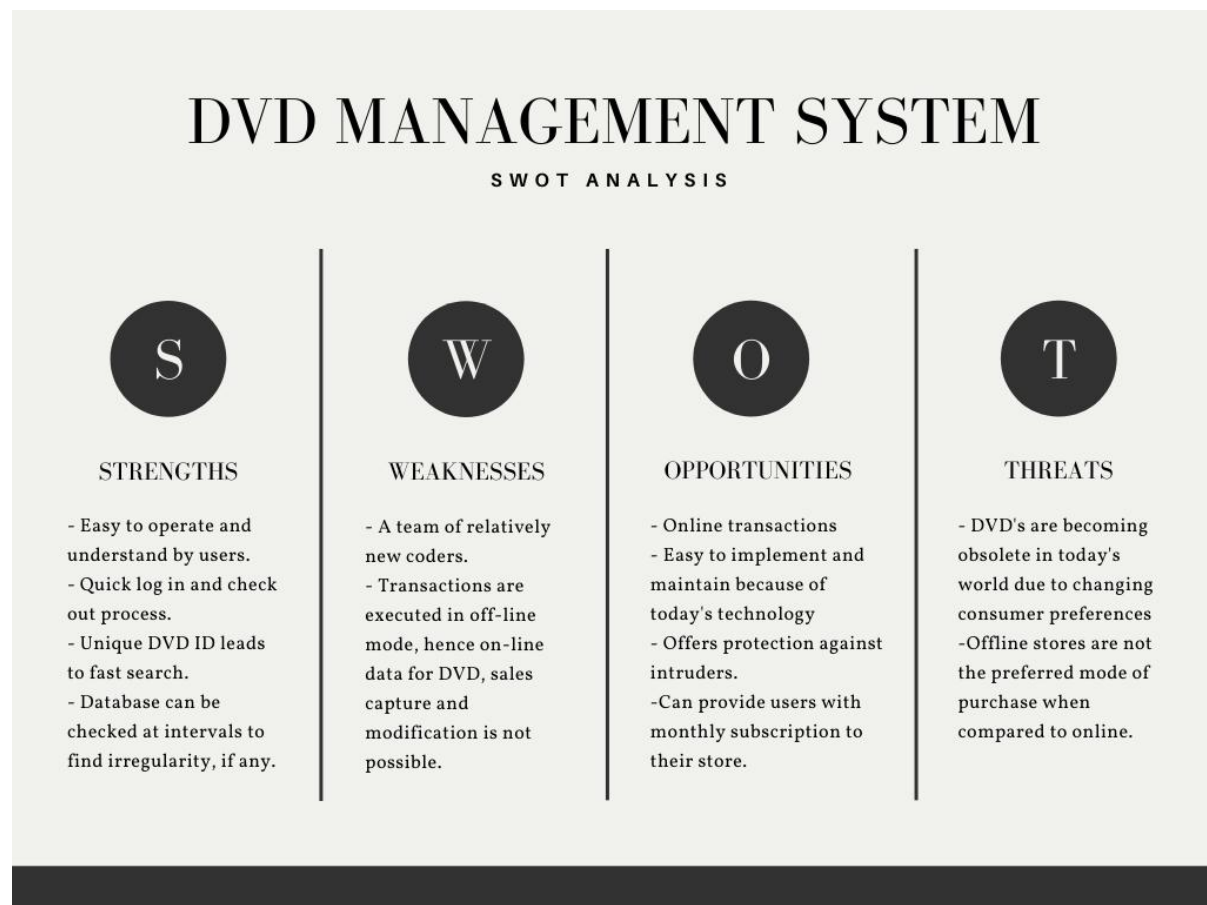
1.3.Cost and Features and Timeline

- This was a costless application and we have features like 1.AddDvd 2.DeleteDvd 3.SearchDvd 4.ViewDvd 5.EditDvd 6.Exit

1.4.Defining Our System

- This application can store all DVD details, such as their category, id, quantity, availability and price.

1.5.SWOT ANALYSIS



1.6. 4W's and 1'H

Who: Users who need to store movies, images, videos, etc and admin who need to maintain records.

What: This system will add, modify, view, delete, access CD/DVD contents.

When: The user can store their contents here to make a record of it.

Where: In the management system which performs function by adding, deleting, modifying, viewing, etc the data stored.

How: By using the different operations given after login into the system.

1.7.Detail requirements

High Level Requirements:

HIGH LEVEL REQUIREMENTS

ID	DESCRIPTION	CATEGORY	STATUS
HR01	Login to the DVD/CD store management system.	Requirement Based	Implemented
HR02	User just has to select DVD categories like: Movies, series, musics, animated, adults.	Requirement Based	Implemented
HR03	Each of the record contains unique DVD id no, which makes easy to search for the user.	Requirement Based	Implemented
HR04	All the DVD records are maintained with their Availability status (yes/no), along with their price and quantity.	Requirement Based	Implemented
HR05	Each and every records are displayed in a systematic way, so that the user won't find any difficulties in viewing records.	Requirement Based	Implemented

Low level Requirements:

LOW LEVEL REQUIREMENTS

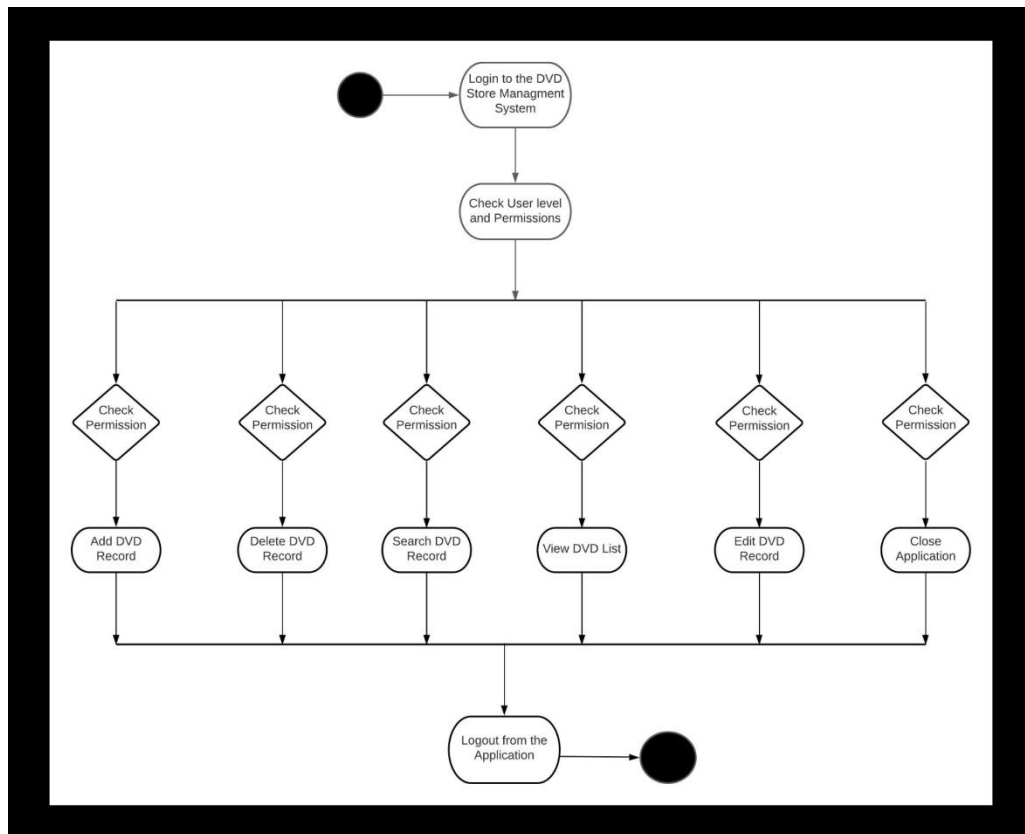
ID	DESCRIPTION	CATEGORY	STATUS
LR01	(1) User should be able to login into the system. (2) User who has permissions shall be able to add, delete, or search DVD record list.	HR01	Implemented
LR02	User should choose under which DVD categories does he/she is wishing to watch.	HR02	Implemented
LR03	User must be able to search the DVD by entering the id no.	HR03	Implemented
LR04	If the Availability status of DVD is "yes" then the user can view its quality and price or else if the availability status of DVD is "no" then it is not currently available in the store	HR04	Implemented
LR05	Each and every records are displayed in a systematic way, So that user must not find any difficulty in searching the availability of DVD/CD in the store.	HR05	Implemented

2.DESIGN

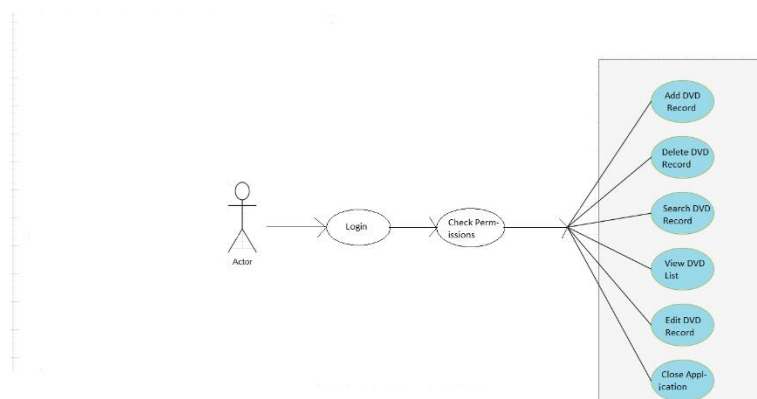
Architecture:

High Level Architecture Design

Architecture Design :



Usecase Diagram :



3.TEST PLAN

Table no: High level test plan:

Test ID	Description	Exp I/P	Exp O/P	Actual Out	Type Of Test
H_01	If User enters correct password - Checking the password	Data	Success - Program continues	Success - Program continues	Scenario based
H_02	If User enters wrong password - Checking the password	Data	Fails - Program exit	Fails - Program exit	Scenario based

Table no: Low level test plan:

Test ID	H ID	Description	Exp IN	Exp OUT	Actual Out	Type Of Test
L_01	H_01	Add new DVD to store	Data	Add DVD	Add DVD	Requirement based
L_02	H_01	Delete DVD from store	Data	Delete DVD	Delete DVD	Requirement based
L_03	H-01	Search for specific DVD	Data	Search DVD	Search DVD	Requirement based
L_04	H_01	View the list of DVDs	Data	View DVD	View DVD	Requirement based
L_05	H_01	Edit DVD specific Information	Data	Edit DVD	Edit DVD	Requirement based
L_06	H_01	User wants to exit	Data	Exit	Exit	Requirement based

4.IMPLEMENTATION

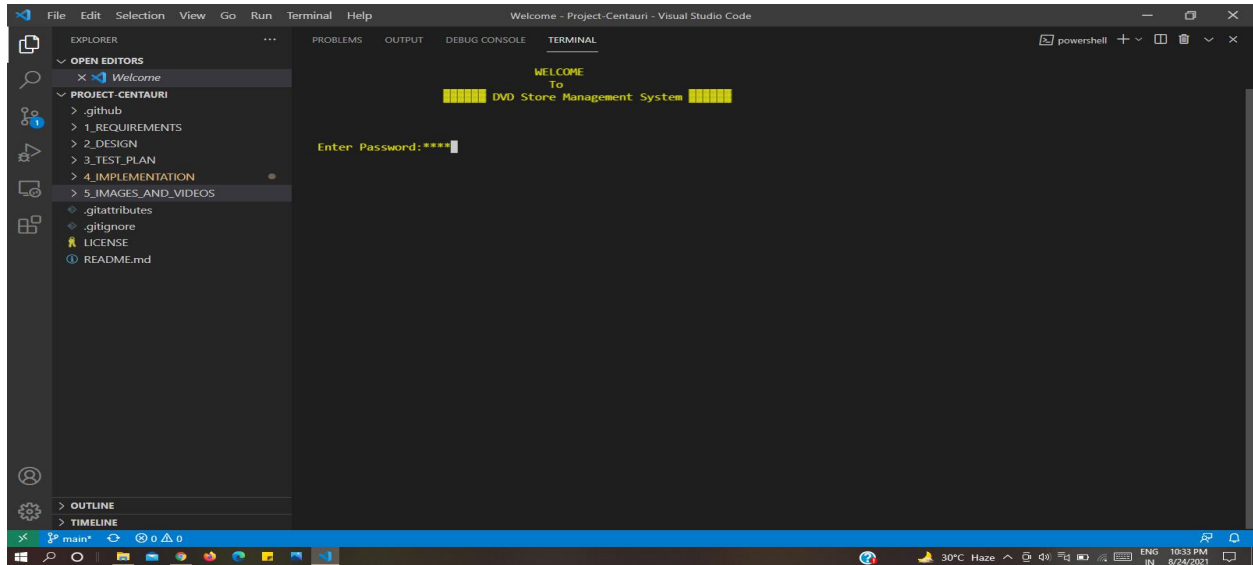
Implementation:

Folder Structure

Folder	description
inc	All header files
src	Source code for DVD Store Management System
test	All source code and data for testing purposes
build	Build output (Not included in git)

5.Images & Videos

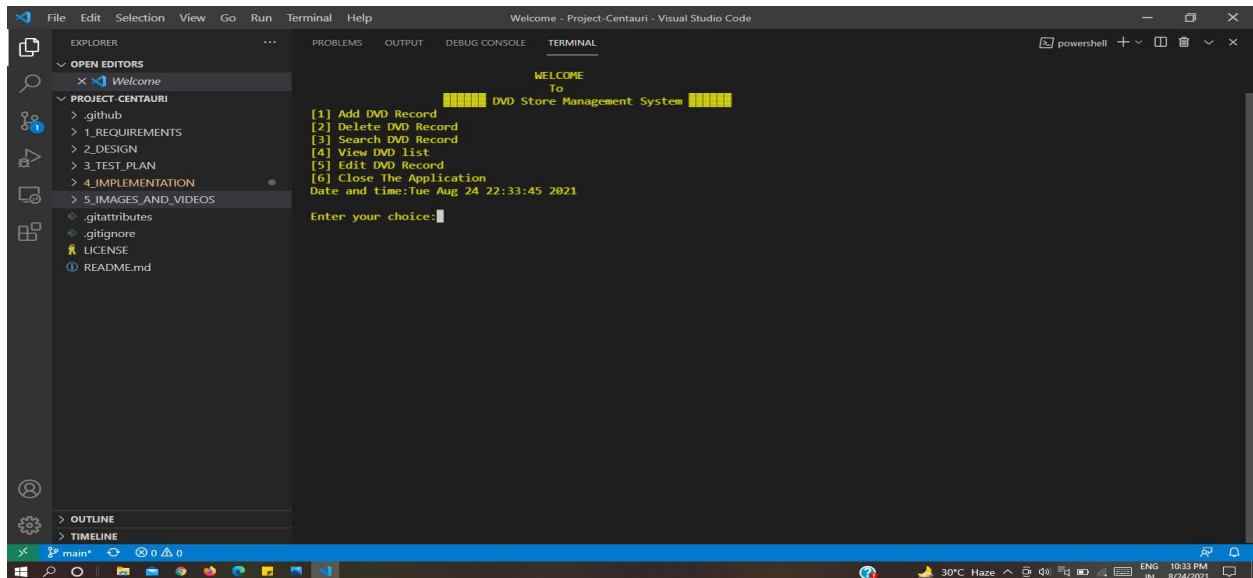
Snapshots



This screenshot shows the Visual Studio Code interface with the 'Terminal' panel active. The terminal window displays the following text:

```
WELCOME  
To  
DVD Store Management System  
  
Enter Password: ****
```

The Explorer panel on the left shows the project structure for 'PROJECT-CENTAURI', including files like .github, 1_REQUIREMENTS, 2_DESIGN, 3_TEST_PLAN, 4_IMPLEMENTATION, 5_IMAGES_AND_VIDEOS, .gitattributes, .gitignore, LICENSE, and README.md. The status bar at the bottom indicates the current file is 'main*' and the system is running on Windows.



This screenshot shows the Visual Studio Code interface with the 'Terminal' panel active. The terminal window displays the following text:

```
WELCOME  
To  
DVD Store Management System  
  
[1] Add DVD Record  
[2] Delete DVD Record  
[3] Search DVD Record  
[4] View DVD list  
[5] Edit DVD Record  
[6] Close The Application  
Date and time:Tue Aug 24 22:33:45 2021  
  
Enter your choice:
```

The Explorer panel on the left shows the same project structure as the previous screenshot. The status bar at the bottom indicates the current file is 'main*' and the system is running on Windows.