**Final Project**

Vanier College Desktop Application 1

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**Group Name:** MovieDuo

**Group Members:**

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**Project Title:** Movie Hub

**1. Project Scope .**

* Rent or Buy a movie.
* This is an entertainment platform
* A subscriber can have access to this platform.
* To access the MovieHub website, select Sign In to access the account or register if user does not have an account.

**2. Project Functionalities**

**Home:**

* Choose Login or Register

**Log in:**

* Log in Username and password (case sensitive).

**Register:**

Register an Account that required to fill all fields and conditions like Email(email address pattern), Username and Password(specified condition).

**Admin menu:**

* + Show all movies using Datagrid
  + Search Movie by id using textbox(id)
  + Delete a specific movie by id using textbox(id)
  + Add a Movie by filling up textboxes
  + Modify or Update a movie based on movie ID
  + Show all Registered Account information(First name, Last name, date of birth and Email only)
  + Show all Purchases made by all Users

**User menu:**

* Register Payment card , add funds to your Payment card, rent or buy movies you want to watch, check purchased history and check balance.
* Show all Available Movies.
* Rent or Buy selected movie from movie lists but will not allow the user to purchase the same movie that is already bought or rented movies that are not expired or still active.
* Register a Payment Card that requires to fill all fields and with email address pattern.
* Deposit Payment card or Add card balance.
* Purchase history based on Specific User Account
* Function to check payment card balance
* Username confirmation when the user selects / clicks a button to avoid mis-click.
* Access Purchased Movies and select which movie you want to watch.
* Watch Selected Movie with Play, Pause and Stop button.

**Rest API:**

* + List all movies
  + Search a movie by movie ID
  + Delete a movie by movie ID
  + Add a movie
  + Modify or Update a movie
  + Buy Movie
  + Rent Movie

**End users:**

* + Anyone who would like to have entertainment.
  + Integration of the End users with the project (user stories),
  + User can only use their account.
  + Rent and you have up to 30 days to watch the movie rented.
  + Areas covered with this project.
  + Locally or anywhere in the world can have access.

**Project Users:**

Anyone can be a User. The user uses this especially for entertainment purposes.

**3.Project Setup.**

* + Visual Studio
  + Net Framework: 4.5.2
  + MSSQL: SQL SERVER V 18.4

**4**. **Mid-Term Project Discussion**

**Project work progress:**

* Home Page
* Login Page
* Register Page
* Admin Menu Page
* Admin Rest API

**What percentage of the project was implemented**

I implemented the **Home Page, Login Page, Register Page** and **Admin Menu Page** and **Admin Rest API.**

**What functionalities were implemented**

* + Register an Account(Admin or User)
  + Log in Account to Access either Admin Menu or User Menu

Admin Menu:

* + Show all movies using datagrid
  + Search for a specific movie by id using textbox(id)
  + Delete a specific movie by id using textbox(id)
  + Add a Movie by filling up textboxes
  + Modify or Update a movie based on ID

Rest API:

* + List all movies
  + Search a movie by movie ID
  + Delete a movie by movie ID
  + Add a movie
  + Modify or Update a movie

**You plans to add in Final Projects**

Work on Empty User Menu:

* + - show all movies available
    - rent or buy selected movie from movie lists
    - Register a Payment Card
    - Deposit Payment card or Add balance / funds
    - Add purchase history based on Specific User Account
    - Add function to check payment car balance
    - Add username as confirmation when the user selects / clicks a button to avoid mis-click.
    - Add Design to the Whole Project

**5. Work Progress in Future**

* + Add Security so that hackers wont steal and destroy the application or website.
  + Add more features or options (User-Friendly).
  + Propose the Project to Clients / Companies like CinePlex and Cinema Guzzo to use it as their website or application.

**6. Participants Contribution**

* we both shared ideas and plans about deliverable 1 but my partner did the documentation/report.
* In WPF/RestApi Project, i did it all by myself even Assignment1 and Assignment2 without the help of my partner (I kept on asking my partner what’s her progress with our project after deliverable 1 and if my partner did or started the project but says “no”) and took me more than a month to complete this Project.
* Shared my Project progress to my partner before and after Midterm Presentation so my partner can work on user menu. Shared my Assignment 1 and Assignment 2 just to ask my partner to Push on GitHub and send the link to Omnivox.