EirVid movie Rental System

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GitHub Link:
https://github.com/MUHAMMAD145/EirVid_movie_rental_system

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Introduction:

The main objective of the system is to provide users an interface to manage all the aspects of EirVid Movie rental, Manage customer data and EirVid Movie inventory. This is a simple User interface developed in core java that enables the user to log in and rent EirVid Movie of his choice. The system shall allow the user to rent a EirVid Movie and return it back. The EirVid Movie rental application shall hold the information about customer like the customer email , password, the name of the EirVid Movie and the price of the EirVid Movie. The system shall check for the availability of the EirVid Movie and can issue the EirVid Movie to the customer. It shall also have the information about the cost of each EirVid Movie rented. This Application is developed using Core java and has connectivity to CSV file.

Langauge Used:

Java is a popular programming language, created in 1995.It is owned by Oracle, and more than 3 billion devices run Java.It is used for:

- Mobile applications (specially Android apps)
- Desktop applications
- Web applications
- Web servers and application servers
- Games
- Database connection
- And much, much more!

Use Java:

- Java works on different platforms (Windows, Mac, Linux, Raspberry Pi, etc.)
- It is one of the most popular programming language in the world
- It has a large demand in the current job market

- It is easy to learn and simple to use
- It is open-source and free

Problem in Existing System:

The EirVid Movie rental centres transacted their EirVid Movies manually. It was a difficult task to manage all the EirVid Movies with their date of issue and return. There was no centralised repository of EirVid Movies. It was a difficult task to search for EirVid Movies. The centres had trouble tracking EirVid Movies and their due dates. Even the customer details were noted manually. Keeping track of records was a difficult task.

UML diagram:

LOGIN
+ Email: String + Password : String
+ getEmail(): String +setEmail(String email): void +getPassword():String +setPassword(String password):void

Movie_price
+ Num: Int +Movies:String +Price:Int
+ getNum(): int +setNum(int num):void +getMovies():String +setMovies(String Movies):void +getPrice():int +setPrice(int price): void

Main
+ login(): void +movie():void