***Title: Video Disc Rental App***

Description: The Video Disc Rental App is a mobile application that allows users to browse, rent, and manage physical video discs such as DVDs and Blu-rays. This app provides a user-friendly platform for movie enthusiasts to explore a catalog of movies, reserve discs, manage their rental queue, and enjoy a hassle-free movie rental experience.

Specifications:

1. User Registration and Authentication: - Users must register and log in to access the app. - Implement secure user authentication using email or social media accounts.

2. Movie Catalog: - Provide a comprehensive catalog of movies available for rent. - Include movie details, cover images, ratings, genres, and descriptions.

3. Browse and Search: - Allow users to search for movies by title, genre, actor, or director. - Implement filters and sorting options to refine search results.

4. Disc Reservation: - Enable users to reserve physical video discs for rental. - Show availability status and estimated delivery times.

5. Rental Queue(optional): - Allow users to create and manage a rental queue where they can add, remove, or prioritize discs. - Automatic selection of the next available disc based on user preferences.

6. User Ratings and Reviews: - Allow users to rate and review movies to provide recommendations and insights for other users.

7. Account Management: - Users can manage their account information, payment methods, and rental history. - Set up rental preferences and notification settings.

8. Payment Processing: - Implement secure payment processing for rental fees, including credit card or digital wallet payments.

9. Notification System: - Send email or in-app notifications for order confirmation, disc shipment, and return reminders.

10. Shipping and Return: - Manage the logistics of disc shipments to users' addresses. - Provide return instructions and prepaid shipping labels for easy disc return.

11. Wishlist: - Allow users to create a wishlist of movies they plan to rent in the future.

12. User Support and Feedback(optinal): - Offer a support system for users to request assistance or provide feedback. - Include FAQs and a help center.

13. Security:\* - Implement security measures to protect user data and payment information.

14. Inventory Management: - Admin functionality to manage the availability of video discs, track inventory, and update the catalog.

15. Testing and Debugging: - Perform thorough testing to ensure the app functions without errors.

The Video Disc Rental App is designed to offer movie enthusiasts a convenient and user-friendly platform for renting and enjoying physical video discs. It aims to provide a seamless movie rental experience, from browsing the catalog to disc delivery and return.

Using **StringComparison.OrdinalIgnoreCase** is a best practice when you want to ensure that string comparisons are both fast and case-insensitive. It helps provide a more user-friendly experience by allowing for flexibility in text input. Let me know if you have more questions or need further examples!

Reservation Status:

**1. Active**

* **Definition**: The reservation is currently valid, and the customer is able to pick up or rent the movie.
* **Example**:
  + A customer reserves "Inception" on October 5th. The reservation is active because the movie is available, and the customer has until October 10th to pick it up.

**2. Pending**

* **Definition**: The reservation has been made but is awaiting confirmation or processing.
* **Example**:
  + A customer attempts to reserve "The Godfather," but the reservation is pending because there is a review process in place to confirm the availability of the movie. The system will check if the movie can be reserved, and the status will change once it's confirmed.

**3. Completed**

* **Definition**: The customer has successfully picked up or rented the movie associated with the reservation.
* **Example**:
  + After reserving "Titanic," the customer visits the store on October 8th, picks up the movie, and the reservation status is updated to completed.

**4. Cancelled**

* **Definition**: The reservation has been cancelled either by the customer or due to unavailability.
* **Example**:
  + A customer decides not to rent "The Shawshank Redemption" anymore and cancels their reservation on October 7th. The status of that reservation changes to cancelled.

**5. Expired**

* **Definition**: The reservation period has lapsed without the customer taking action to rent the movie.
* **Example**:
  + A customer reserves "The Matrix" on October 1st, but forgets to pick it up by October 5th. After the pick-up period expires, the status is updated to expired.

**6. Not Available**

* **Definition**: The movie reserved is no longer available for rental.
* **Example**:
  + A customer reserves "Jurassic Park," but another customer rents it out before the reservation can be fulfilled. The status of the reservation changes to not available.

### Summary of Reservation Statuses

|  |  |  |
| --- | --- | --- |
| Status | Description | Example |
| Active | Valid reservation, ready for pick-up | Reservation for "Inception" is active until October 10th. |
| Pending | Awaiting confirmation | Reservation for "The Godfather" is pending confirmation. |
| Completed | Customer has picked up the movie | Reservation for "Titanic" marked completed after pick-up. |
| Cancelled | Reservation cancelled by customer or system | Customer cancels reservation for "The Shawshank Redemption." |
| Expired | Reservation period lapsed without action | Reservation for "The Matrix" expires without pick-up. |
| Not Available | Reserved movie is no longer available | Reservation for "Jurassic Park" marked as not available. |