Practical Lab – 9

User Experience Evaluation

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Condor E- CASE STUDY: ELIBRARY CONDOR

A Web application for electronic libraries that would enable users to check out and purchase electronic books, music, and video is something that Condor Library is interested in launching. Audio items include music albums and audio books; video items include movies; text items include eBooks and eMagazines. Text items are assigned to a publisher and a title. eBooks are assigned an author and an ISBN. Every audio file has a producer and a title. Each of the above-stated has a category as well. Administrators, staff, and patrons are the first three user types that must be specified in the application. Every user has an email address, a password, a forename, a surname, and an identification number. Another type of staff is an administrator.
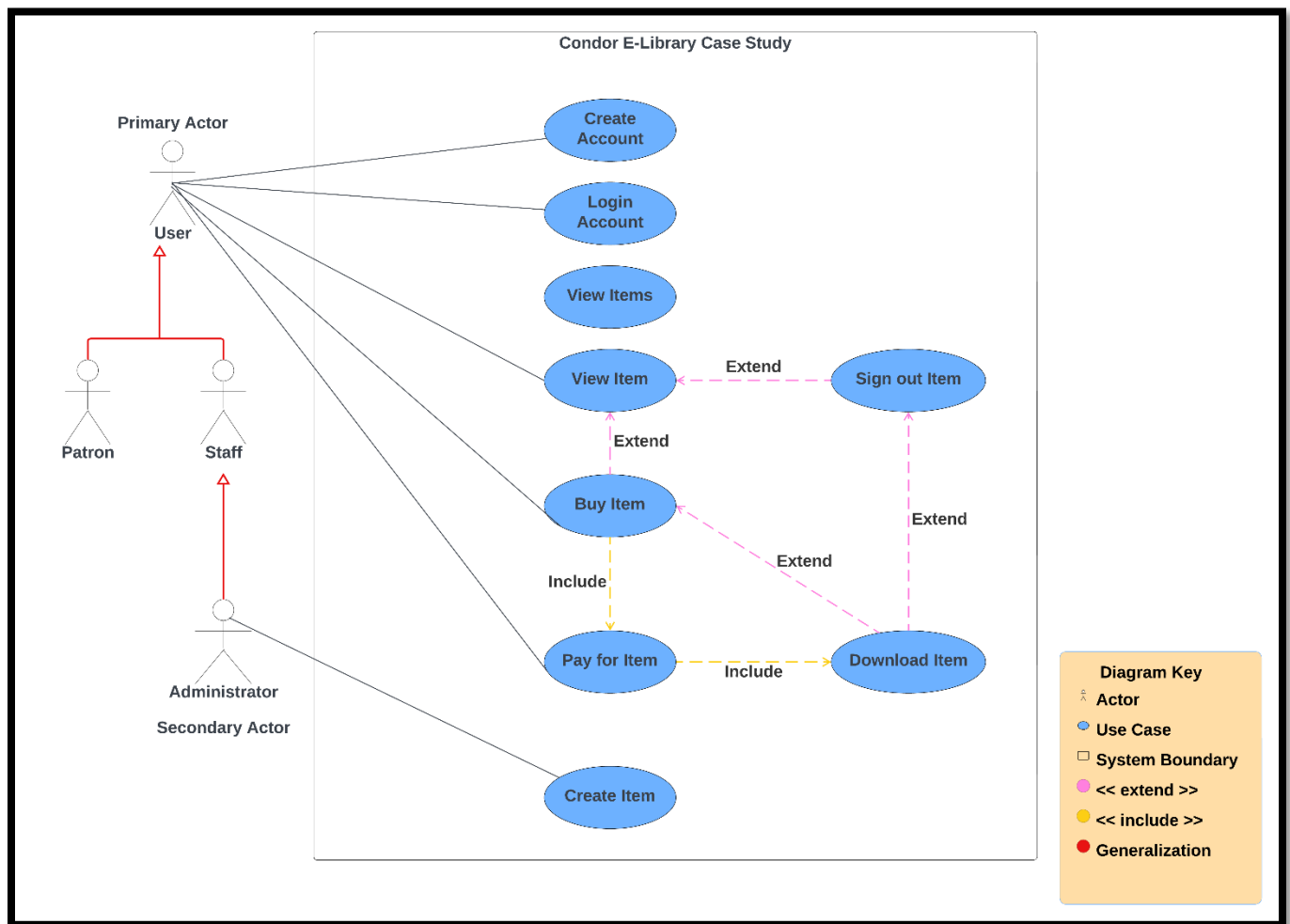
➢ **Actors:**

1. **User (Patron):** Represents individuals who interact with the Condor eLibrary System to browse, borrow, and purchase digital items.
2. **Administrator (Admin):** Users with elevated privileges responsible for managing the system, including adding new items.
3. **Staff:** Regular users with additional privileges, such as assisting patrons and managing content.

➢ **Use Cases:**

- **Create Account**: Allows users to create a new account on the Condor eLibrary System.
- Log Into Account: Enables users to log into their existing accounts.
- **Create item**: This use case is only available to administrators, and it involves adding new things to the system.
- **View Items:** Users can view a list of available items in the library.
- **View Item:** Allows users to view details of a specific item.
- **Sign Out Item:** Users can select and sign out specific items for borrowing.
- **Buy Item:** Users can purchase specific items from the library.
- **Pay for Item**: Included use case for payment processing when buying items.
- **Download Item:** Allows users to download items they have signed out or purchased.

➢ **Actor-Use Case Relationships:**

⇨ **Users (Patrons)** interact with various use cases such as creating an account, logging in, viewing items, signing out, and buying items.
⇨ **Administrators** are responsible for creating items in the system.

⇨ **Staff members**, being a subset of administrators, share similar privileges but may have restricted access.

➢ **Use Case Relationships:**

▪ **Include Relationships:**

o The **"Buy Item"** use case includes the **"Pay for Item"** use case, representing the payment process when buying items.

o The **"Pay for Item"** use case includes the **"Download Item"** use case, indicating the download process after successful payment.

▪ **Extend Relationships:**

o The **"View Item"** use case can be extended by the **"Sign Out Item"** and **"Buy Item"** use cases, allowing users to directly access these actions from the item details view.

o The **"Sign Out Item"** and **"Buy Item"** use cases can be further extended by the **"Download Item"** use case, enabling users to download items after signing out or purchasing them.

Lucid chart Link:

https://lucid.app/lucidchart/7d92cbd1-355b-4a36-9de2-c8a51b0a7448/edit?invitationId=inv_f62dbceb-5901-49d2-80b1-2f81b33f1830