Camera Rental Application

1. **Product Overview:**

The Camera Rental Application is a software application that allows users to rent cameras for various purposes. Users can list available cameras along with their brand, model, and per-day rental amount. They can select a camera from the listing to rent, add or view their wallet amount, navigate between different contexts, and close the application.

Tools required:

* Eclipse
* Java
* Git
* GitHub
* Scrum
* Search techniques

1. **Application Flow:** The application follows the following flow:

• User Login:

• The user is prompted to enter a username and password to log in.

• If the entered credentials are valid, the user is granted access to the application's main menu.

• If the credentials are invalid, an error message is displayed, and the user is prompted to enter the credentials again.

• Main Menu:

• Once logged in, the user is presented with a main menu displaying the available options.

• The user can select one of the following options:

1. My Camera: Allows the user to add, remove, or view their cameras.

2. Rent a Camera: Displays a listing of available cameras and allows the user to select and rent a camera.

3. View All Cameras: Shows a complete listing of all available cameras.

4. My Wallet: Enables the user to add or view their wallet amount.

5. Exit: Closes the application.

• My Camera:

• In this context, the user can perform the following operations:

1. Add: Allows the user to add a camera to their camera list by providing the brand, model, and per-day rental amount.

2. Remove: Enables the user to remove a camera from their camera list.

3. View My Cameras: Shows a listing of all cameras the user has added to their camera list.

• Rent a Camera:

• This context displays a listing of available cameras for rent.

• The user can select a camera from the listing and proceed to rent it.

• After selecting a camera, the user may be prompted to enter rental details such as rental duration, contact information, etc.

• View All Cameras:

• This context displays a complete listing of all available cameras for rent.

• The user can view the brand, model, and per-day rental amount of each camera.

• My Wallet:

• In this context, the user can perform the following operations:

1. Add: Allows the user to add funds to their wallet by specifying the amount.

2. View: Displays the current amount available in the user's wallet.

• Exit:

• Choosing this option closes the application and terminates the user's session.

1. **Appearance**

The rentmycam.io application prototype will have a clean and user-friendly interface. It will feature a responsive design to ensure compatibility with various devices such as smartphones, tablets, and desktops. The visual elements will include a logo, navigation menus, camera listings with details, wallet balance sub-menu, and appropriate messages for status updates.

**Flowchart**

