**CAMERA RENTAL APPLICATION**

**Application Features:**

1. **Camera Management.**

* Insert a new Camera with Brand name, model, and pre-date rent amount.
* Display the all-camera list with the details.
* Delete camera from the list

1. **Camera Renting Process.**

* Select A Camera from the rented list.
* User can select the camera using camera **ID**.
* User cannot select camera which is in rent.
* After Giving the id of camera check the user balance amount.
* If the balance is insufficient display the custom message.

1. **User Wallet Management.**

* User can view the balance.
* User can add balance.
* The two options display in sub menu.

1. **User Interface.**

* User can login with username and password.

1. **View Camera List**

* User can view the camera rent list.

**Flow of Application**

* Open the application.
* User can open the application with giving username and password.
* Use can see the menu like Add camera, Rent camera, wallet, and exit.
* User can use the application or exit the application.
* If the user can take rent, adding the camera or add the amount for these an approver message can be displayed.

**Sprints Planning**

**Sprint 1:**

* Set a project Interface in eclipse.
* Create the welcome page.
* Develop concept like camera.
* Develop a concept like adding a camera to list, remove camera from the list, view all-camera from the list and list must sorted.

**Sprint 2:**

* Develop concept Wallet.
* Handel the Wallet with the balance.
* Create Concept like crediting amount from the wallet.
* If the amount is credited to the account displays a message

**Sprint 3:**

* Develop concept like camera rent.
* User can select a camera using camera id.
* If the use taking camera has a rent check the balance.
* If the balance is sufficient debate amount from user wallet

Display the message like (**Your Transitions for a camera camera-name, camera-model with rent INR camera-rent prise, has been successfully completed camera-id).**

* If the balance is less then the camera rent displays the custom message (**Insufficient balance in wallet**)

**Git and GitHub**

* Crete a new repository.
* Allow the developers to push and pull the code.
* Use the branches for the different features.

**Java Concepts:**

* Collections for data management.
* Custom exception handling and error handling.
* Class for camera, wallet, and welcome page.
* Loops for repeating functions.

**Tools To Develop The An Application:**

* Eclipse IDE current version.
* Java
* Scrum
* Searching and sorting.
* Version control for git (Git Bash software local machine).
* Collaboration with git repository.
* Opening the source document tools like (e.g., google chrome, Microsoft edge).

**Algorithm**

1. **Step 1:** Start.
2. **Step 2:** Enter Username and Password.
3. **Step 3:** Select the option from menu like 1 My camera 2. rent camera 3. View cameras 4. view wallet 5. Exit.
4. **Step 3:** If you select option 1 it will show the submenu
   1. Add camera (You can add your Camera).
   2. Remove camera (Delete Your camera).
   3. View Camera (You can view all cameras).
   4. Go back to main menu.
5. **step 4:** If you select option 2, It is for rent a camera you can take camera has a rent for one day.

* User can select a camera using camera id.
* After selecting camera if amount is insufficient, it will display the custom message like insufficient amount in account
* If the amount is sufficient, it will display the custom message like Your Transitions for a camera camera-name, camera-model with rent INR camera-rent prise, has been successfully completed camera-id

1. **Step 5:** If you select Option 3 You see all the above to rent cameras.
2. **Step 6:** If You select option 4 It is for wallet it shows the sub-menu
   1. View balance (You can view balance).
   2. Add balance (You can add balance).
3. **Step 7:** If you select an option 5 it will exit the application.

**Git repository link:** [https://github.com/Harshavardhan320/Phase1-cameraRentalApplication.git](https://github.com/Harshavardhan320/Phase1-cameraRentalApplication.git%20)

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