**Phase End Project**

**CAMERA RENTAL APPLICATION**

By

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**Github link:** <https://github.com/harish3451/CameraRentalApp>

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**Description of Project:**

Creating a Camera rental application where user can see the list of cameras in application. The list will contain the following items, they are Camera id, brand of camera, model, price, and status of camera. User will be able to modify this list by adding and removing camera from list. If user rents a camera the status of camera will update from Available to rented.

There is wallet where user can use that amount to rent a camera. If there is less amount user is able to add amount to his wallet.

In further topics will be discussed like

* Welcome Screen
* Main menu
* My Camera
* Rent a Camera
* View all Camera
* My Wallet

Tools used for this project:

* Eclipse
* Java
* Git
* Github
* Sprint
* Ms Word

**Welcome Screen:**

Once the program is started the following screen will visible to user.

PLEASE LOGIN TO CONTINUE -

USERNAME -

WELCOME TO CAMERA RENTAL APPLICATION

**Main Menu:**

Once user enter username and password user will able to see the main menu where five options are given to user. Based on operation user can enter the input.

Algorithm for main menu:

Step1: Start

Step2: Login to Camera rental application.

Step3: Display the menu to user.

Step4: Input n from user to do operation .

Step5: If n equals to 1 go to Mycamera and do operation then go to step 3 else go to next step.

Step6: If n equals to 2 go to RENT A CAMERA and do operation then go to step 3 else go to next step.

Step7: If n equals to 3 Display all the camera available in list then go to step3 else go to next step.

Step8: if n equals to 4 go to My wallet and do operation then go to step3 else go to next step.

Step9: if n equals to 5 go to step 12.

Step10: if n not equals to any above option then go to step11.

Step11: Display “Please enter a valid input” then go to step3.

Step12: Display “THANK YOU FOR USING THIS APPLICATION”.

Step13: STOP.

**My Camera:**

Once user enter option 1 in main menu, user will able to do operations available in this class.

The following operations user can do is:

1. ADD

2. REMOVE

3. VIEW MY CAMERAS

4. GO TO PREVIOUS MENU

Algorith for MYCamera:

Step1: Start.

Step2: Display the options available in mycamera class to user.

Step3: Input n from user.

Step4: If n is equals to 1 then go to next step else go to step 6.

Step5: Ask user for camera brand , model and price for day of camera and add that data to list then go to step 2.

Step6: if n is equals to 2 then go to next step else go to step 8.

Step7: Ask user camera ID to be removed from list then remove camera details then go to step 2.

Step8: if n is equals to 3 then Display mycamera list then go to step 2 else go to next step.

Step9: if n is equals to 4 then go to next step else go to step 11.

Step10: User will be redirected to previous menu.

Step11: Display “Please enter a valid option”

Step12: Stop

**Rent a camera:**

Once user enter option 2 in main menu, user will get redirected to rent a camera class. Here user can rant a camera based on availability status of camera and available amount in user wallet.

Rent a camera flow chart:

Display Available cameras to user

If user entered camera id

is available in list

?

Ask user to enter Camera Id

FLASE

Display wrong camera id entered

TRUE

If camera rent price is less than amount in wallet

?

FALSE

Display inefficient amount

Camera rented and amount is debited

From wallet

TRUE

**View all camera:**

Once user enter option 3 to view all camera available in application, a table of camera with its details will be displayed to user.

The table will contains the following details Cameraid, Brand, model price and status of camera.

**My Wallet:**

Once user enter option 4, the application will display available wallet amount and asks user if he/she want to add more money to wallet or not.

If user wants to add more money user will give input according to application and amount will be added to user wallet. After amount added to user wallet, user will redirected to main menu.

**For output :** Output document has been shared

Source Code file also available in Github link