Documentation

# Git url: https://github.com/logesh010/PhaseEndProjects.git

# Core java concepts used:

* Oops concepts like class, object , method, encapsulation, inheritance
* User defined exception class to throw exception
* Switch.
* Validation using equals()
* Use of different access modifier.
* Scanner class, Assignment operators.
* Array list (To store camera list)
* to String().

# Description:

**Package**

|  |  |  |
| --- | --- | --- |
| **Package Name** | **Classes** | **Description** |
| exception | InvalidDecision  LoginException | To throw user  defined exception |
| loginapp | CameraOperations  LoginMain ViewAllCameras Wallet | Package contains all the camera rental application  classes |

# Class

|  |  |  |
| --- | --- | --- |
| **class** | **method** | **use** |
| LoginMain | Main , mainMenu,  subMenu | Main class which  contains switch case and all  method calls |
| CameraOperations | InitializeList, Remove, displayAllCameras addCamera,  rentCamera | All the methods can be called |
| ViewAllCameras | view | To display all  Camera |
| Wallet | manageWallet  deposit withdraw | To manage Wallet |
| InvalidDecision | Tostring() | Throws new  invalidDecision |
| LoginException | Tostring() | Throws new  LoginException |

**Flowchart**



Login credentials

Login Failed

Main Menu

1 2 3 4 5

My Camera

Rent a Camera

View all Camera

My Wallet

Exit

insufficient

1

Sub Menu

Add

Balance> ppd

Remove

Main Menu

View my camera

enough

Camera id not found

Id not found

**False**

Remove Camera