

## Phase1Projects:

The Camera Rental System is a Java-based program that simulates a simple camera rental service. It allows users to view available cameras, rent a camera, return a rented camera, and display a list of currently rented cameras. The system is designed to provide a user-friendly interface for managing camera rentals.

### Classes:

- Camera Class: Represents a camera with attributes such as model and availability.
- CameraRentalSystem Class: Manages the camera inventory and user interactions.
- CameraRentPurchase Class: Contains the main method to run the program. Creates an instance of the CameraRentalSystem class and enters a loop to continuously display the menu and process user choices until the user chooses to exit.

### Usage:

Display Available Cameras (Option 1): Lists all available cameras in the inventory for rental.

Rent a Camera (Option 2): Prompts the user to enter the model of the camera they want to rent.

Return a Rented Camera (Option 3): Prompts the user to enter the model of the camera they want to return.

Display Rented Cameras (Option 4): Lists all currently rented cameras.

Exit from the Purchase (Option 5): Terminates the program with a farewell message.

The Camera Rental System offers a straightforward and interactive solution for managing camera rentals. Users can easily view available cameras, rent and return cameras, and track rented cameras. The system demonstrates the use of Java classes, ArrayLists, and user input to create a functional rental service.