

Hands-on Project Abstract: Car Rental Simulation

Type: Type 1

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Problem Statement (or Background):

Commuting plays an essential role in our everyday life, and everyone can't own a car. A car rental system is a service that enables its customers/users to be able to rent a car at their convenience. It is gaining a lot of popularity for the services offered and its affordability. It gives information about the availability of cars, the quotation based on the time, and the kinds of cars to help customers get a car based on their requirements.

Modeling and simulation goals (for Type 1):

The focus of the Hands-on project is to simulate the process of a car rental system using DEVJAVA. In a car rental system, it is essential to keep track of the cars, history of rentals for cars along with users/customers for a particular car rental service center, availability of car, duration of the rental, and various factors as such. It could be confusing for a car rental service center to manually keep track of these and understand the working initially. Hence, a simulation of a car rental system will help us understand and grasp this process flow better.