

FASTag Toll Collection System

Hackathon Project by Team Omega

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Project Objective

- To develop a basic Java GUI-based FASTag Toll Collection System that can:
 - - Store vehicle data
 - - Recharge FASTag balances
 - - Deduct toll on entry/exit
 - - Store data using MySQL
 - - Simulate a real-world toll booth experience

Key Features

- - Java Swing GUI Interface
- - Vehicle Entry & Exit with Balance Update
- - MySQL Database Integration
- - Simple, Clean UI
- - Beginner-friendly code structure

Project Architecture

- The project is divided into three parts:
 - - Model: Vehicle.java
 - - DAO: DatabaseManager.java
 - - UI: TollSystemUI.java
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- This separation ensures modular and maintainable code.



Screenshot of GUI

FASTag Toll Collection System

Vehicle Number:

Owner Name:

Recharge Amount:

Buttons:

Review 2 Completed Tasks

- - Implemented backend MySQL Database
- - User input validation and error handling
- - Final GUI integrated with DB operations
- - Uploaded to GitHub with README
- - PPT created with screenshots

GitHub Repository

- <https://github.com/kanishkVar/FASTag-Toll-management-system->