

Waterfall Development Model for Online Car Rental System

The Waterfall model is a sequential development approach that follows a structured phase-by-phase process.

For this task, we are applying it to develop an Online Car Rental System.

Waterfall Model Phases:

1. Requirement Analysis

Gathering requirements for user roles, car listings, booking system, and payment integration.

2. System Design

Designing UI, database schema, and backend API structure.

3. Implementation

Developing modules: car listing, booking system, payments, and user management.

4. Testing

Performing unit testing, integration testing, and system testing for smooth functionality.

5. Deployment

Deploying the system on a cloud server for real-world usage.

6. Maintenance

Providing regular updates, bug fixes, and customer support.