

Parking Lot Management System

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Description

The project represents a system for parking of different types of vehicles on the free parking slots. System finds a proper spot for entered vehicle based on its type and provides a ticket with amount of money driver should pay after vehicle enters a parking lot based on amount of time client desires to park his car. Program considers needs of people with disabilities. System automatically uses a proper tariff depending on the date - normal tariff or holiday. Client should check-out a barcode printed on the ticket in order to leave the parking lot. If client exceeds his time limit the fine must be added to the ticket. All information is stored in MySQL database.

Features

- Different types of spots
- Reservation of the desired spot for a particular time
- Management of multiple parking lots
- Authorization system
- Automatic tariff selection
- Barcode generation for the ticket
- A system of fines

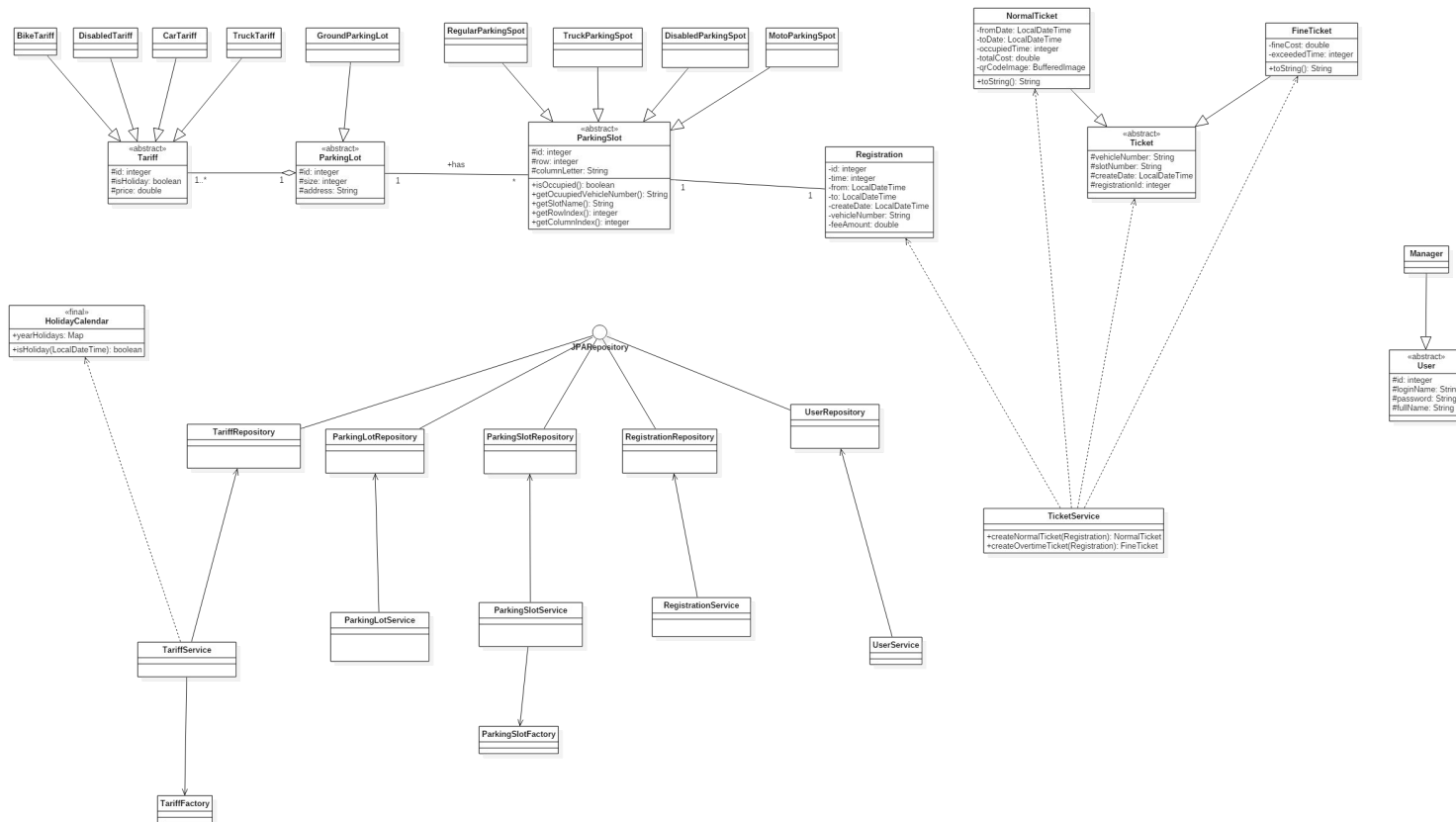
List of technologies

Core technologies - Java, Spring, Hibernate

Database - MySQL

UI - JavaFX

Class diagram



Presentation