Personal Car Rental system

Use-Case Model

Version 1.0

Revision History

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Use-Case Model

# Use-Cases Identification

There are 3 types of actors for this application: the Owner, the Client, and the Admin. For the purpose of this document, we will also consider the user type User, which has use cases that apply to all 3 user types mentioned above.

***Use case: Create Advertisement***

***Level: User Goal***

***Primary actor: Owner***

***Main success scenario: The Owner fills in the requested details for the vehicle he wishes to advertise, uploads some photos, and then confirms the request. After this is done, admins are notified of the advertisement approval request and will review this ad, and then decide whether it will be posted or not. For the success scenario, it is approved and then the Owner is notified of this event.***

***Extensions: In case of bad input, the Owner is asked to review the input. In case the ad is rejected, it is deleted completely and the Owner is notified of this event.***

***Use case: Search for vehicles***

***Level: Summary***

***Primary actor: Customer***

***Main success scenario: The Client is asked to enter certain details to refine the search, and then the database is queried accordingly and the results are displayed, allowing the client to see multiple advertisements of nearby available vehicles.***

***Extensions: In case of bad input, the Customer is asked to review the input data and try again.***

***Use case: Request rental***

***Level: Summary***

***Primary actor: Customer***

***Main success scenario: The Client has found a certain vehicle and wishes to rent it. He is on said vehicle’s page, and from there he can perform a rental request, which notifies the owner of said vehicle. The owner can then decide whether or not he approves this rental. For the success scenario, it is approved and the Client is notified.***

***Extensions: In case the Owner denies, the request is deleted and the Client is notified.***

# UML Use-Case Diagrams

