*Requirements Definition*

*Group 4*

**Dan’s Shady Business**

**1. Introduction and Context**

Dan’s Shady Business is a car rental company which allows customers to rent a variety of cars at fixed per day rates. Our software project aims to provide a simple, yet useful set of tools to help customers of Dan’s as well as management and employees to run the business.

The application will allow customers to choose from among a list of available cars that come in three different models. These cars may be rented for multiple days at a time. At the time of reservation a customer must pay the rental fee, and will be prompted to pay a fee for insurance. If the customer refuses to pay the insurance, sometime during the rental period their car will be LoJacked, and an employee will be dispatched to “fix” and replace the rental with another available car. A $300 service fee will be charged in this case.

Managers using our app will be able to pay employees hire new employees from the customer base as well as pay outstanding wages. Employees will be able to approve car checkouts, as well as LoJack cars that have not been returned within the agreed rental period.

**2. Users and Their Goals**

***Case 1 User Reserves Car***

Participating Actor:

Entry Conditions:

Exit Conditions:

Event Flow:

***Case 2 Car Pickup***

Participating Actor:

Entry Conditions:

Exit Conditions:

Event Flow:

***Case 3 User Adds Money to Wallet***

Participating Actor:

Entry Conditions:

Exit Conditions:

Event Flow:

***Case 4 Manager Hires New Employee***

Participating Actor:

Entry Conditions:

Exit Conditions:

Event Flow:

***Case 5 Manager Purchases New Car***

Participating Actor:

Entry Conditions:

Exit Conditions:

Event Flow:

***Case 6 Manager Pays Employees***

Participating Actor:

Entry Conditions:

Exit Conditions:

Event Flow:

***Case 7 Service Call***

Participating Actor:

Entry Conditions:

Exit Conditions:

Event Flow:

***Case 8 Employee Lojacks Overdue Car***

Participating Actor:

Entry Conditions:

Exit Conditions:

Event Flow:

**3. Functional Requirements**

(car inventory)

(reservations/status tracking)

(3 types, 3 fees)

(purchasing cars)

(fund wallet)

(adding funds)

(payments/deductions)

(employee wages)

(reporting hours)

(manager pays)

(Lo-Jack)

(manual?)

(automatic?)

**4. Non-functional Requirements**

(database)

(theme)

(bug testing)

()

**5. Future Features**

**Glossary**