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**A CAR WASHİNG RESERVATION PROGRAM**

A car wash firm realized that there were not enough car wash places and that there was a parking problem. So, customers were spending a long time in line and complaining about it. The company was losing customers very quickly and had to find a solution. So, they applied to us and asked us to make a reservation system. They said that the program should be simple, convenient and faster than a human being in the most convenient way. We have written a program to solve this problem. So, how does this program work? After asking and analyzing what kind of cleaning the customer wants and what time it would be suitable for it, it shows the days and times that are suitable for the customer. If the day and hours of the program are suitable for the customer, the customer receives the name, surname and contact information and confirms the reservation. In this way, the capacity of the car wash company also uses the maximum level of customers can do their jobs easily without wasting time.

**Requirement list**

1-Asks what customer want to do.

2-Show available dates and times.

3-Asks name, surname and contact information (phone number, e-mail etc.).

4-Saves the data.

5-Customer can cancel or change the book with name.

6-Gets booking info with phone number.

7-Sends notification to company.

**Use Cases**

**Use Case-1**

1-Open program. N/A

2-Program shows menu. 1

3-The customer choose make reservation. N/A

4-System asks name, surname and which date customer want. 3

5-Customer choose the time which he/she want. 2

6-Program saves contact info. 4

7-Sends notification to company. 7

**External Initiator = Customer Start Condition = 1 Stop Condition = 7**

**Clear Value = Booking at the most convenient time according to the customer request.**

**Use Case-2**

1-Open program. N/A

2-Program shows menu. 1

3-The customer choose change reservation. N/A

4-System asks a name 5

5-System deletes old reservation. 5

6- System asks name, surname and which date customer want. 3

7-Customer choose the time which he/she want. 2

8-Program saves contact info. 4

9-Sends notification to company. 7

**External Initiator = Customer Start Condition = 1 Stop Condition = 9**

**Clear Value = Customer can change the booking time with his/her name.**

**Use Case-3:**

1-Open program. N/A

2-Program shows menu. 1

3-The customer choose cancel reservation. N/A

5-System asks name. 5

6-Program deletes the booking. 5

7-Program saves the changes. 4

8-Sends notification to company. 7

**External Initiator = Customer Start Condition = 1 Stop Condition = 8**

**Clear Value = Customer can cancel the booking via ref. number.**

**Use Case-4**

1-Open program. N/A

2-Program shows menu. 1

3-The customer choose Search Reservation N/A

4-System asks phone number. 6

5-System shows reservation details. 6

**External Initiator = Customer Start Condition = 1 Stop Condition = 5**

**Clear Value = Customer can search the booking via phone number.**

**VARIABLE METHOD CLASSNAME**

**Use Case-1**

1-Open program.

2-Program shows MENU.

3-The customer choose MakeRes().

4-System asks ad, soyad and which day customer want.

5-Customer ChooseHour() which he/she want.

6-Program saves contact info.

7-SendNotification() to company.

**Use Case-2**

1-Open program.

2-Program shows MENU.

3-The customer choose ChangeRes().

4-System asks ad.

5-System CancelReservation().

6- System asks ad, soyad and which day customer want.

7- Customer ChooseHour() which he/she want.

8-Program saves contact info.

9- SendNotification() to company.

**Use Case-3:**

1-Open program.

2-Program shows Menu.

3-The ad soyad CancelRezervation(String).

5-System MakeRes() ad soyad.

6-Program CancelReservation().

7-Program saves the ChangeRes().

8-SendNotification() to company.

**Use Case-4**

1-Open program.

2-Program shows Menu.

3-The customer choose Search() Reservation.

4-System asks numara.

5-System shows reservation ad soyad Numara(resnumber) hour.