



Πανεπιστήμιο Κύπρου
Πολυτεχνική Σχολή

Τμήμα Ηλεκτρολόγων Μηχανικών
και Μηχανικών Υπολογιστών

HMY 318

Αρχές Προγραμματισμού για Μηχανικούς

Ημερομηνία Ανάθεσης Άσκησης: 20/10/2022

Ημερομηνία Εγγραφής Αναφοράς: 07/11/2022

Ημερομηνία Παράδοσης: 08/11/2022

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Assignment 2 – Scenarios & ERD:

Περιεχόμενα

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Scenario 1:

```
-----Main Menu-----
```

1. Show more info about the company
2. Find a charging point
3. Login
4. Register
5. Exit

Please choose one from the above options: 3

Enter the Customer's ID: 885566

This ID does not exist to anyone!

```
-----Main Menu-----
```

1. Show more info about the company
2. Find a charging point
3. Login
4. Register
5. Exit

Please choose one from the above options: 4

Please give the Customer's ID:

885566

Enter the Full name: John Doe

Enter the Model's ID: 88246

Enter the Car's registration number: NGH806

Enter the Car's color: Gold

Enter the Car's battery level: 67

Enter the Car's last service (yyyy-mm-dd): 2022-10-07

Enter the Total millimetres: 56

-----Main Menu-----

1. Show more info about the company
2. Find a charging point
3. Login
4. Register
5. Exit

Please choose one from the above options: 3

Enter the Customer's ID: 885566

-----Login Menu-----

1. Show car status
2. Start charging
3. Complete charging process
4. Logout

Please choose one from the above options: 1

The car's battery level is: 67

Enter the covered Distance (If none then 0):0

The car's total millimetres are: 56

No date has inserted

```
-----Login Menu-----

1. Show car status
2. Start charging
3. Complete charging process
4. Logout

Please choose one from the above options: 2
Please specify the Point ID of your charging station:
524
The charging process has begun!
```

<input type="checkbox"/>	Edit Copy Delete	36	885566	524	2022-11-05 23:26:00	0000-00-00 00:00:00
--------------------------	--------------------	----	--------	-----	---------------------	---------------------

```
-----Login Menu-----

1. Show car status
2. Start charging
3. Complete charging process
4. Logout

Please choose one from the above options: 3
The charging process has finished!
```

<input type="checkbox"/>	Edit Copy Delete	36	885566	524	2022-11-05 22:27:54	2022-11-05 23:27:39
--------------------------	--------------------	----	--------	-----	---------------------	---------------------

```

-----Login Menu-----

1. Show car status
2. Start charging
3. Complete charging process
4. Logout

Please choose one from the above options: 4

-----Main Menu-----

1. Show more info about the company
2. Find a charging point
3. Login
4. Register
5. Exit

Please choose one from the above options: |

```

Scenario 2:

```

-----Main Menu-----

1. Show more info about the company
2. Find a charging point
3. Login
4. Register
5. Exit

Please choose one from the above options: 2
Please specify the desired city: papfo

1. Show all the charging points in the city
2. Show the charging points with available outlets
Please choose one option: 1

The Charging Outlets in papfo are:
King of tombs 55 with 5 outlets, of which the 5 are free
Agiov Georgiou 2 with 10 outlets, of which the 1 are free
Leontiou 7 with 8 outlets, of which the 5 are free

```

```
-----Main Menu-----

1. Show more info about the company
2. Find a charging point
3. Login
4. Register
5. Exit

Please choose one from the above options: 4
Please give the Customer's ID: 222222
Enter the Full name: Helen Smith
Enter the Model's ID: 77671
Enter the Car's registration number: ABC123
Enter the Car's color: Gold
Enter the Car's battery level: 34
Enter the Car's last service (yyyy-mm-dd): 2021-10-07
Enter the Total millimetres: 10000
```

<input type="checkbox"/>	Edit	Copy	Delete	222222	Helen Smith	ABC123	77671	Gold	34	2021-10-07	10000
--------------------------	------	------	--------	--------	-------------	--------	-------	------	----	------------	-------

```
-----Main Menu-----

1. Show more info about the company
2. Find a charging point
3. Login
4. Register
5. Exit

Please choose one from the above options: 3
Enter the Customer's ID: 222222

-----Login Menu-----

1. Show car status
2. Start charging
3. Complete charging process
4. Logout

Please choose one from the above options: 2
Please specify the Point ID of your charging station:
525
The charging process has begun!
```

<input type="checkbox"/>	Edit	Copy	Delete	36	222222	525	2022-11-07 00:15:17	0000-00-00 00:00:00
--------------------------	------	------	--------	----	--------	-----	---------------------	---------------------

Scenario 3:

```
-----Main Menu-----

1. Show more info about the company
2. Find a charging point
3. Login
4. Register
5. Exit

Please choose one from the above options: 2
Please specify the desired city: Papho

1. Show all the charging points in the city
2. Show the charging points with available outlets
Please choose one option: 1

The Charging Outlets in Papho are:
King of tombs 55 with 5 outlets, of which the 5 are free
Agiou Georgiou 2 with 10 outlets, of which the 1 are free
Leontiou 7 with 8 outlets, of which the 5 are free
```

Scenario 4:

```
-----Main Menu-----

1. Show more info about the company
2. Find a charging point
3. Login
4. Register
5. Exit

Please choose one from the above options: 3
Enter the Customer's ID: 222222

-----Login Menu-----

1. Show car status
2. Start charging
3. Complete charging process
4. Logout

Please choose one from the above options: 2
Please specify the Point ID of your charging station:
525
The charging process has begun!

-----Login Menu-----

1. Show car status
2. Start charging
3. Complete charging process
4. Logout

Please choose one from the above options: 3
The charging process has finished!
```


Scenario 5:

```
-----Main Menu-----

1. Show more info about the company
2. Find a charging point
3. Login
4. Register
5. Exit

Please choose one from the above options: 2
Please specify the desired city: Papho

1. Show all the charging points in the city
2. Show the charging points with available outlets
Please choose one option: 2
Enter the Point's ID: 525
The available outlets on point 525 are: 1
```

Entity Relationship Diagram:



