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| **Use Case Name:** Updating profile | **ID:** UC - 6 | **Priority:** Medium |

* **Actor:** Car Owner
* **Description:** The car owner wants to update his profile details. The system accepts the request by asking him which data he wants to update and notifying his email of the change.
* **Trigger:** The car owner wants to update his profile details.
* **Type:** **External.**
* **Preconditions:**

1. Car owner must have an account on the application.
2. Parking database is available and on-line.

* **Normal Course:**

1. The system displays default home page of logging in and signing up.
2. Car owner enters account username and password. 🡨 username/password
3. Car owner defines which data he wants to update (username/password - car details - credit card – email data). 🡨determine which data to update
4. If the user wants to update his account username:
5. The user enters his new username. 🡨new username
6. The system asks the user to enter his password to confirm the process of update. 🡨 request confirmation
7. The system notifies user’s email of the changing. 🡪 updating notice
8. If the user wants to update his account password:
9. The system asks the user to enter his old password then the new one. 🡨old password/new password
10. The system asks the user to re-enter the new password to confirm the process. 🡨new password/confirmation
11. (4.3) is repeated.
12. If the user wants to update his

Email:

1. The user enters his new email. 🡨new email
2. The system sends a code to the new email and asks the user to enter it to confirm the process. 🡨request confirmation
3. Otherwise, the user enters the new data of other details (car data - credit card data) 🡪new data
4. The system displays the page of searching a parking slot and if the user wants to make a request to park: perform find a place to park use case,

Or the use case ends.

* **Post conditions:**

1. Receive an email message about the updating.
2. System database is updated.

* **Exceptions:**

E1. Account is not valid (occurs at step 2)

1. System displays message that username/password is not valid.
2. System asks Car Owner to re-enter username/password or contact customer service for help.

E2. New username is not valid (occurs at step 4.1)

1. System displays message that username is duplicated.
2. System asks Car Owner to enter another username.

E3. New password is not valid (occurs at step 5.1)

1. System displays message that password is weak.
2. System asks Car Owner to enter a strong password.

E4. The code is not valid (occurs at step 6.2)

1. System displays message that code is wrong.
2. System asks Car Owner to re-enter the code or the user asks to send another one.

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| **Summary Inputs** | **Source** | **Outputs** | **Destination** |
| * Username/password * New (username * /password * /email * /data) * Confirmation * updating data | User  User information database | * updating notice * Request confirmation | User’s email  User |