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| **Use case name:** increase the duration of parking | | **ID:** UC-3 | | | Priority: High | |
| **Actor:** the driver | | | | | | |
| Description:A driver wants to increase the parking period of the car, so he enters the application and requests an increase in the period of parking the car. | | | | | | |
| Trigger: the driver wants to increase the parking time of the car in the parking  Type: External | | | | | | |
| Preconditions:  1-the user should have an account.  2-The user reserved a block | | | | | | |
| Normal Course:  1.0-request to increase the duration of parking   1. the user request if their block that he used available to increase the duration of parking . 2. the system verifies their block if it valid**.** (Alternative Course 1.1) 3. The system found this block is valid and ask about the duration that the user wants to increase 4. -the userspecifies the duration 5. The system notifies the user that the money will increase      1. The system update user`s info | | | | Information for Steps:    🡨 name of user slot    🡪 status of slot      🡪request for new duration  🡨The Increased duration    → increase price notification  🡨 updating | | |
| Alternative Courses:  1.1the block of the user used not available of this duration (Branch at step 2)   1. the system ask the user if he can use another block or cancle the request.   2a- the user agree to use another block.  3a-The system will reserve the new block according to the period requested by the user  4a-The system gives the user the number of the new block it will use  5a-The program notifies the user that the money will increase  6a-The system displays the new price after the update  2b-The user asks to cancel the request  3b-The system terminates the use case | | | | 🡪 available slots at specific duration  ⃪ new slot  → details about new slot  →increase price notification  →The final price  ⃪Cancellation | | |
| Postconditions:   1. the block that the user used is changes 2. The money that the user will pay will increase 3. database system is updated | | | | | | |
| Exceptions:  E1: there is no available block in parking (occcure at point 3)   1. The system displays message “**there is no available block in parking to use at this time**”. 2. The system asks the user if he wants any options or to exit   2.a-the user asks to show the money that he should pay  3a. The system starts Normal Course of how he can pay the money  2b. The user asks to exit  3b. The system terminates the use case | | | | | | |
| Summary Inputs | Source | | Outputs | | | Destination |
| -name of user slot  - info of user's slot at available time  - The Increased duration  -new slot  -increasing the price  - Cancellation | -User  -slots information  database  -User  -user  -booking reference database | | -status of slot  - request for new duration  - details about new slot  - increase price  notification  -updating | | | -user  **-**user  -user  -user  -user information database |

الاسم:ماجي حمدي وسيلي سيداروس

التيم ليدر:ماجي صموئيل فرح

سيكشن:2

مجموعه:2