|  |  |  |  |
| --- | --- | --- | --- |
| UC Code | UC001 | Use case name | Login |
| Actor | User, hotel’s system | | |
| Precondition | Already had an account | | |
| Main flow of event (success) | |  |  |  | | --- | --- | --- | | # | Actor | Action | | 1 | User | Enter username and password. | | 2 | System | Verify username and password. | | 3 | System | Take user to logged-in screen. | | | |
| Alternative flow of event | |  |  |  | | --- | --- | --- | | # | Actor | Action | | 1 | System | Notify login error if username or password is incorrect. | | 2 | System | Ask user to reenter username and password. | | | |
| Post condition | None | | |

UC “Login”

|  |  |  |  |
| --- | --- | --- | --- |
| UC Code | UC001 | Use case name | Change password |
| Actor | User, hotel’s system | | |
| Precondition | Successfully login | | |
| Main flow of event (success) | |  |  |  | | --- | --- | --- | | # | Actor | Action | | 1 | User | Choose a field and click change. | | 2 | System | Ask users to fill in the form. | | 3 | User | Enter appropriate information into the form and click change. | | 4 | System | Process the request and update new data into the database. | | | |
| Alternative flow of event | |  |  |  | | --- | --- | --- | | # | Actor | Action | | 1 | System | Notify an error if the information in the form is invalid. | | 2 | System | Ask user to reenter the information. | | | |
| Post condition | None | | |

UC “Change profile”

|  |  |  |  |
| --- | --- | --- | --- |
| UC Code | UC001 | Use case name | View room list |
| Actor | User, hotel’s system | | |
| Precondition | None | | |
| Main flow of event (success) | |  |  |  | | --- | --- | --- | | # | Actor | Action | | 1 | User | Click view room list. | | 2 | System | Process the request and display the result. | | 3 | User | Choose a sorting option and reclick view room list. | | 4 | System | Process the request and display the result. | | | |
| Alternative flow of event | none | | |
| Post condition | None | | |

UC “View room list”

|  |  |  |  |
| --- | --- | --- | --- |
| UC Code | UC002 | Use case name | Book rooms |
| Actor | Customer, hotel’s system | | |
| Precondition | Successfully login | | |
| Main flow of event (success) | |  |  |  | | --- | --- | --- | | # | Actor | Action | | 1 | Customer | Fill in the room form. | | 2 | System | Search for suitable rooms. | | 3 | System | Display a room list for the customer. | | 4 | Customer | Choose rooms and click book. | | 5 | System | Display a confirmation form. | | 6 | Customer | Click confirm to finish the booking process. | | | |
| Alternative flow of event | |  |  |  | | --- | --- | --- | | # | Actor | Action | | 1 | System | Notify an error if the customer omits any heads in the room form. | | 2 | System | Ask user to fill that head. | | 3 | System | Notify an error if that type of room is run out. | | | |
| Post condition | None | | |

UC “Book rooms”

|  |  |  |  |
| --- | --- | --- | --- |
| UC Code | UC003 | Use case name | Give feedbacks |
| Actor | Customer, hotel’s system | | |
| Precondition | Successfully login | | |
| Main flow of event (success) | |  |  |  | | --- | --- | --- | | # | Actor | Action | | 1 | Customer | Fill in the feedback form. | | 2 | System | Receive the form and save it . | | | |
| Alternative flow of event | None | | |
| Post condition | None | | |

UC “Give feedbacks”

|  |  |  |  |
| --- | --- | --- | --- |
| UC Code | UC004 | Use case name | View turnover |
| Actor | Administrator, hotel’s system | | |
| Precondition | Successfully login | | |
| Main flow of event (success) | |  |  |  | | --- | --- | --- | | # | Actor | Action | | 1 | Administrator | Choose a month. | | 2 | System | Search for turnover of that month. | | 3 | System | Display turnover of that month. | | | |
| Alternative flow of event | |  |  |  | | --- | --- | --- | | # | Actor | Action | | 1 | System | Display “the turnover of this month is empty” if the turnover of that month is 0. | | | |
| Post condition | None | | |

UC “View turnover”

|  |  |  |  |
| --- | --- | --- | --- |
| UC Code | UC005 | Use case name | View empty rooms |
| Actor | Administrator, hotel’s system | | |
| Precondition | Successfully login | | |
| Main flow of event (success) | |  |  |  | | --- | --- | --- | | # | Actor | Action | | 1 | Administrator | Choose a sorting option. | | 2 | System | Search for the ordered room list. | | 3 | System | Display the result. | | | |
| Alternative flow of event | None | | |
| Post condition | None | | |

UC “View empty rooms”

|  |  |  |  |
| --- | --- | --- | --- |
| UC Code | UC003 | Use case name | Finish check out procedure |
| Actor | Administrator, hotel’s system | | |
| Precondition | Successfully login | | |
| Main flow of event (success) | |  |  |  | | --- | --- | --- | | # | Actor | Action | | 1 | Administrator | Enter rooms’ ids | | 2 | System | Search for those rooms | | 3 | System | Display the result | | 4 | Administrator | Click check out to finish the process | | | |
| Alternative flow of event | |  |  |  | | --- | --- | --- | | # | Actor | Action | | 1 | System | Display error “no result found” if the rooms’ ids doesn’t exist or the pattern is not correct. | | | |
| Post condition | None | | |

UC “Finish check out procedure”