Use Cases:

|  |  |  |
| --- | --- | --- |
| Actor | Goal | Use Case Name |
| System | Add reservation | Add (UC1) |
| System | Record the information of the reservation for further use | Record(UC2) |
| User | Reserve parking spot | Reserve (UC3) |
| User | To check if there are spots available for reservation at specific date and time | Check(UC4) |
| User | Alert police of a parking spot in misuse | Alert(UC5) |
| Cop | Receive parking information | Cop (UC6) |
| Admin | Check space availability and reservation information | Admin-info (UC7) |
| Admin | Create a parking lot | Create(UC8) |
| Admin | Remove a pre-existing parking lot from the system | Delete(UC9) |
| Admin | Check names of all parking lots | LotNames(UC10) |
| Admin | Remove a pre-existing reservation | Check(UC11) |

Traceability Matrix:

|  |  |  |
| --- | --- | --- |
| Req’ | PW | UC1 UC2 UC3 UC4 UC5 UC6 UC7 UC8 UC9 UC10 UC11 |
| REQ1  REQ2  REQ3  REQ4  REQ5  REQ6  REQ7  REQ8  REQ9 |  | X X X X  X X X X X X  X  X X  X X X X  X X X X X X X X X X X  X X  X X X X  X X |
| Max PW |  |  |
| Total PW |  | 16 16 18 13 8 10 8 7 7 5 7 |