**Derived use cases**

**UC01.** Set the base rate (Actor: Management, System: HMS)

**UC02.** Make prepaid reservation (Actor: Staff, System: HMS)

**UC03.** Make 60-days in advance reservation (Actor: Staff, System: HMS)

**UC04.** Make conventional reservations (Actor: Staff, System: HMS)

**UC05.** Make incentive reservations (Actor: Staff, System: HMS)

**UC06.** Cancel reservation (Actor: Staff, System: HMS)

**UC07.** Change reservation (Actor: Staff, System: HMS)

**UC08.** Check in (Actor: Staff, System: HMS)

**UC09.** Check out (Actor: Staff, System: HMS)

**UC10.** Print accommodation bill (Actor: Staff, System: HMS)

**UC11.** Accept payment (Actor: Staff, System: HMS)

**UC12.** Classify as no show (Actor: Staff, System: HMS)

**UC13.** Backup copy of all files(Actor: Staff, System: HMS)

**UC14.** Print reports (Actor: Staff, System: HMS)

**UC15.** Print expected occupancy reports (Actor: Management, System: HMS)

**UC16.** Print expected room income reports (Actor: Management, System: HMS)

**UC17.** Print incentive reports (Actor: Management, System: HMS)

**UC18.** Print daily arrivals reports (Actor: Management, System: HMS)

**UC19.** Print daily occupancy reports (Actor: Management, System: HMS)

**Requirements-use case traceability matrix**

R = Requirements

P = Priority

UC = green

UC P = Use case priority

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 1 | 1 | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 1 | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | 1 | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | 1 |  | x | x | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | 3 |  |  |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | 3 |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | 1 |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |
| 8 | 1 |  |  |  |  |  |  |  |  | x | x |  |  |  |  |  |  |  |  |  |
| 9 | 1 |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |
| 10 | 3 |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  |
| 11 | 4 |  |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |
| 12 | 5 |  |  |  |  |  |  |  |  |  |  |  |  |  | x | x | x | x | x | x |
| UC | P | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 1 | 4 | 1 | 5 | 5 | 5 | 5 | 5 | 5 |

**High-level use cases**

**UC01.** Set the base rate

TUCBW management setting the current base rate for each room depending on the time of year and type of reservation.

TUCEW management setting the base rate for the time of year and reservation

**UC02.** Make prepaid reservation

TUCBW a staff member makes a prepaid reservation

TUCEW a staff member receives confirmation

**UC03.** Make 60-days in advance reservation

TUCBW a staff member makes a 60-days in advance reservation

TUCEW a staff member receives confirmation

**UC04.** Make conventional reservations

TUCBW a staff member makes a conventional reservation

TUCEW a staff member receives confirmation

**UC05.** Make incentive reservations

TUCBW a staff member makes an incentive reservation

TUCEW a staff member receives confirmation

**UC08.** Check in

TUCBW a staff member checks in a guest

TUCEW a staff member receive full payment and confirmation

**UC09.** Check out

TUCBW a staff member checks out a guest

TUCEW a staff member receive confirmation

**UC10.** Print accommodation bill

TUCBW a staff member access guest accommodation bill and clicks “print”

TUCEW a staff member receives the print accommodation bill

**UC11.** Accept payment

TUCBW a staff member receives guest credit card information

TUCEW a staff member receives confirmation of payment

**UC13.** Backup copy of all files

TUCBW a staff member clicks on “backup files”

TUCEW a staff member receives confirmation

**Use Case Diagram**



