|  |  |
| --- | --- |
| Use case UC1 | Make Reservation |
| Primary Actor | Student |
| Stakeholders and Interests | Student: Wants to reserve a room |
| Preconditions | Student is identified and authenticated |
| Success Guarantee (Postconditions) | Room is reserved under the students ID and displayed in its reservation list.  Number of personal available timeslots is reduced by one.  Room is not available to other users during the same reservation time slot. |
| Main success scenario (or basic flow) | Students prompts the system to reserve the desired room at the desired time.  The system validates that the student has enough timeslots left to reserve.  The system validates that the room is free at the desired time.  Upon completion of the reservation, the system displays the room summary information page and a notice that a notification will be send 1 hour before the time. |
| Extensions (or alternative flows) | If student does not have any timeslots left, indicate error.  If room already reservation at desired time, indicate error.  If no timeslots left, but some are in a "waitlist", ask student if he/she wants to remove himself/herself from a waiting list. |
| Special Requirements | Touch screen UI |
| Technology and Data Variations List | Mobile app |
| Open issues |  |

|  |  |
| --- | --- |
| Use case UC2 | Cancel Reservation |
| Primary Actor | Student |
| Stakeholders and Interests | Student: Wants to cancel reservation |
| Preconditions | Student is identified and authenticated  Student has a room reserved under its id at a specific time. |
| Success Guarantee (Postconditions) | Room is deleted under the students ID reservation list.  Number of personal available timeslots is incremented by one.  Room is now available to other users during the same reservation time slot. |
| Main success scenario (or basic flow) | Student goes to the list of reservations and chooses a class to cancel.  The system props the student to confirm the cancellation.  The student confirms.  The system deletes the reservation from the student record and displays the updated list. |
| Extensions (or alternative flows) | If student tries to cancel a reservation after the time, the system cancels it but does not increment the total number of available reservations by one. |
| Special Requirements | Touch screen UI |
| Technology and Data Variations List | Mobile app |
| Open issues |  |

|  |  |
| --- | --- |
| Use case UC3 | Modify Reservation |
| Primary Actor | Student |
| Stakeholders and Interests | Student: Wants to modify reservation |
| Preconditions | Student is identified and authenticated  Student has an ongoing reservation for a room.  The room set time has not begun. |
| Success Guarantee (Postconditions) |  |
| Main success scenario (or basic flow) |  |
| Extensions (or alternative flows) |  |
| Special Requirements | Touch screen UI |
| Technology and Data Variations List | Mobile app |
| Open issues |  |

|  |  |
| --- | --- |
| Use case UC4 | Add to Waitlist |
| Primary Actor | Student |
| Stakeholders and Interests | Student: Student wants to append to the waitlist of a room. |
| Preconditions | Student is identified and authenticated  Student has at least 1 timeslot reservation left.  Room has to be reserved at the desired time. |
| Success Guarantee (Postconditions) | Number of time slots decreased by 1.  Student is appended to the waitlist of a room at a specific time. |
| Main success scenario (or basic flow) | Students prompts the system to add him/her to the waitlist of the desired already-reserved room.  The system appends the student to the waiting list and confirms the action. |
| Extensions (or alternative flows) | If students decides to append to a waitlist but has no more available reservation timeslots, the system prompt an error message. |
| Special Requirements | Touch screen UI |
| Technology and Data Variations List | Mobile app |
| Open issues |  |

|  |  |
| --- | --- |
| Use case UC5 | Remove from Waitlist |
| Primary Actor | Student |
| Stakeholders and Interests | Student: Student wants to remove himself/herself from a waitlist. |
| Preconditions | Student is identified and authenticated  Student is already in the waitlist of the room/time he/she wants to get removed from. |
| Success Guarantee (Postconditions) | Number of time slots increased by 1.  Student is removed from the waitlist. |
| Main success scenario (or basic flow) | Students prompts the system to remove him/her from the waitlist of the desired already-reserved room.  The system removes the student from the waitlist.  The system displays a success message. |
| Extensions (or alternative flows) | - |
| Special Requirements | Touch screen UI |
| Technology and Data Variations List | Mobile app |
| Open issues |  |

|  |  |
| --- | --- |
| Use case UC6 | Add Room to Favourite |
| Primary Actor | Student |
| Stakeholders and Interests | Student: Student wants add a room to its favourites. |
| Preconditions | Student is identified and authenticated.  Room is not in favourites. |
| Success Guarantee (Postconditions) | Room added to favourites. |
| Main success scenario (or basic flow) | Students prompts the system to add a room to his/her favourite list.  System add room to favourite list.  System returns a confirmation of the action. |
| Extensions (or alternative flows) | - |
| Special Requirements | Touch screen UI |
| Technology and Data Variations List | Mobile app |
| Open issues |  |

|  |  |
| --- | --- |
| Use case UC7 | Send Reminder Notification |
| Primary Actor | Application |
| Stakeholders and Interests | Application: Reminds student about upcoming reservation. |
| Preconditions | Room is reserved by a student at a specific time. |
| Success Guarantee (Postconditions) | Notification is received by the student. |
| Main success scenario (or basic flow) | System |
| Extensions (or alternative flows) | - |
| Special Requirements | Touch screen UI |
| Technology and Data Variations List | Mobile app |
| Open issues |  |