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| **Event** | **Source** | **Trigger** | **Activity** | **Response** | **Destination** |
| Student checks facility availability | Student | Faculty name, location and type | Find the facility information and show it to the student | Facility information | Student |
| Student makes a reservation (reserve a facility) | Student | Reservation of the available facility,  Student name | Send the reservation request to a temporary data store | Reservation request | Reservation transaction file |
| System validates student information | Make reservation process (indirectly student) | Student details (name and ID) | Search for student details and validating it | 1.Validated information,  2.Information error message | 1.Make reservation 2.process,  Student |
| Booking management confirms the facility reservation by the student | Reservation transaction file | Reservation details | The booking management confirms or deny the reservation | 1.Confirmed reservation of faculty,  2.Error rejection message | 1.Make slip process,  2.Student |
| Make a slip of the reserved facility | Confirm reservation process | Confirmed reservation of facility | Making a slip of the reservation and send it to be updated in the database | Student name ,ID and reserved facility name, type, location and date | Update facility records process |
| Update the reserved facility information in the database | Make slip process | Student name ,ID and reserved facility name, type, location and date | Send the received data to the database and update the record of the reserved facility | Updated facility availability | Facility information database |