Lab-8

Contribution:

IDs:	Name:	Contribution:
201801096	Rishiraj Meena	Use case diagram (Q1)
201801126	Patel Tirthkumar	Use case diagram (Q1)
201801205	Rutwa Rami	"issueBook" use case documentation (Q1)
201801190	Neel Makadiya	Sequence diagram (Q1)
201801133	Shah Jay	Sequence diagram (Q1)
201801136	Harsh Vora	Analysis object diagram (Q1)
201801445	Ishwa Bhatt	Analysis object diagram (Q1)
201801175	Yagnik Sakhiya	Draw Sequence Diagram (Q2)
201801466	Siddhraj Parmar	Draw Sequence Diagram (Q2)
201801078	Gunank Garg	Draw Sequence Diagram (Q2)

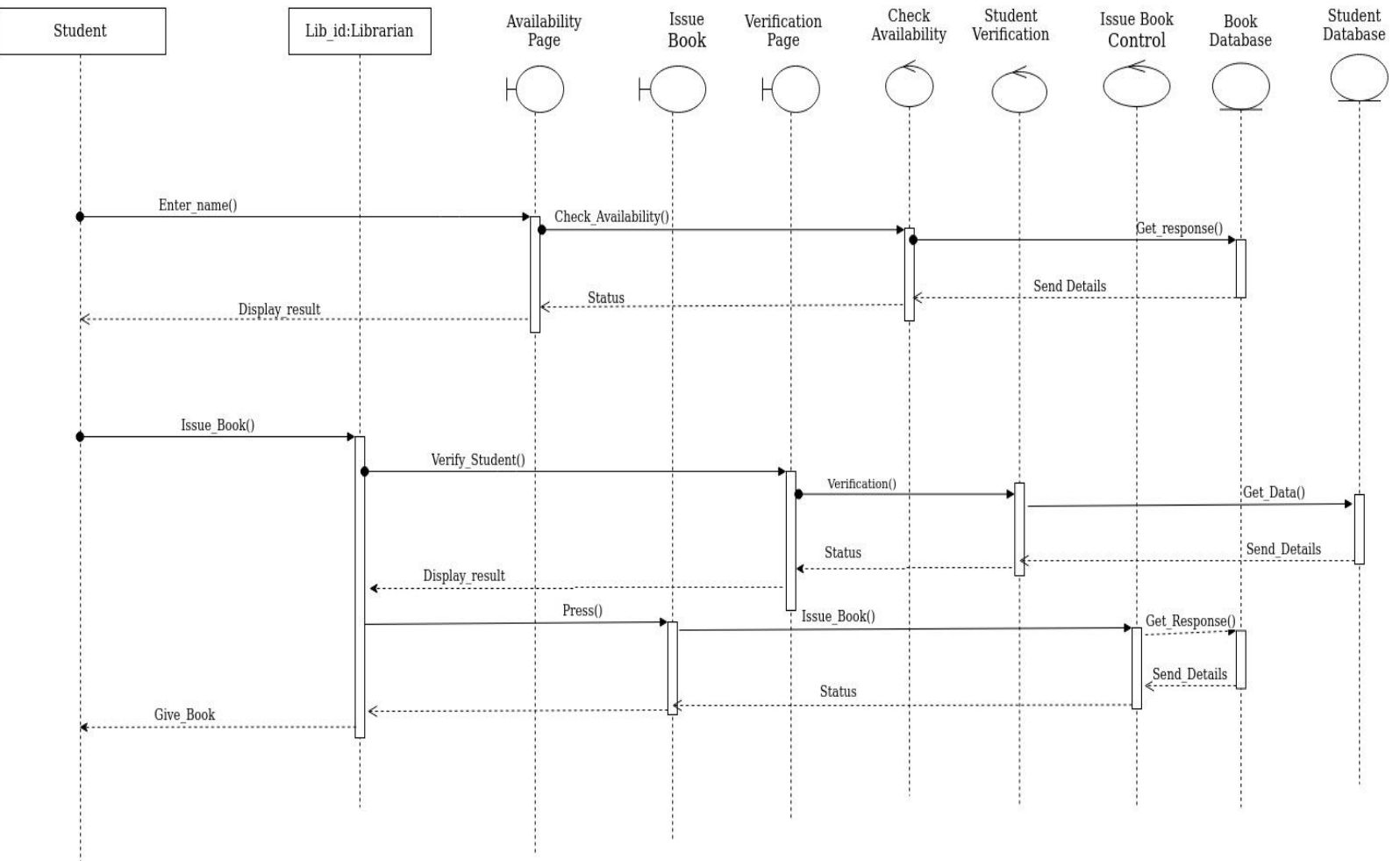**Question-1 :**

1) Use case diagram:
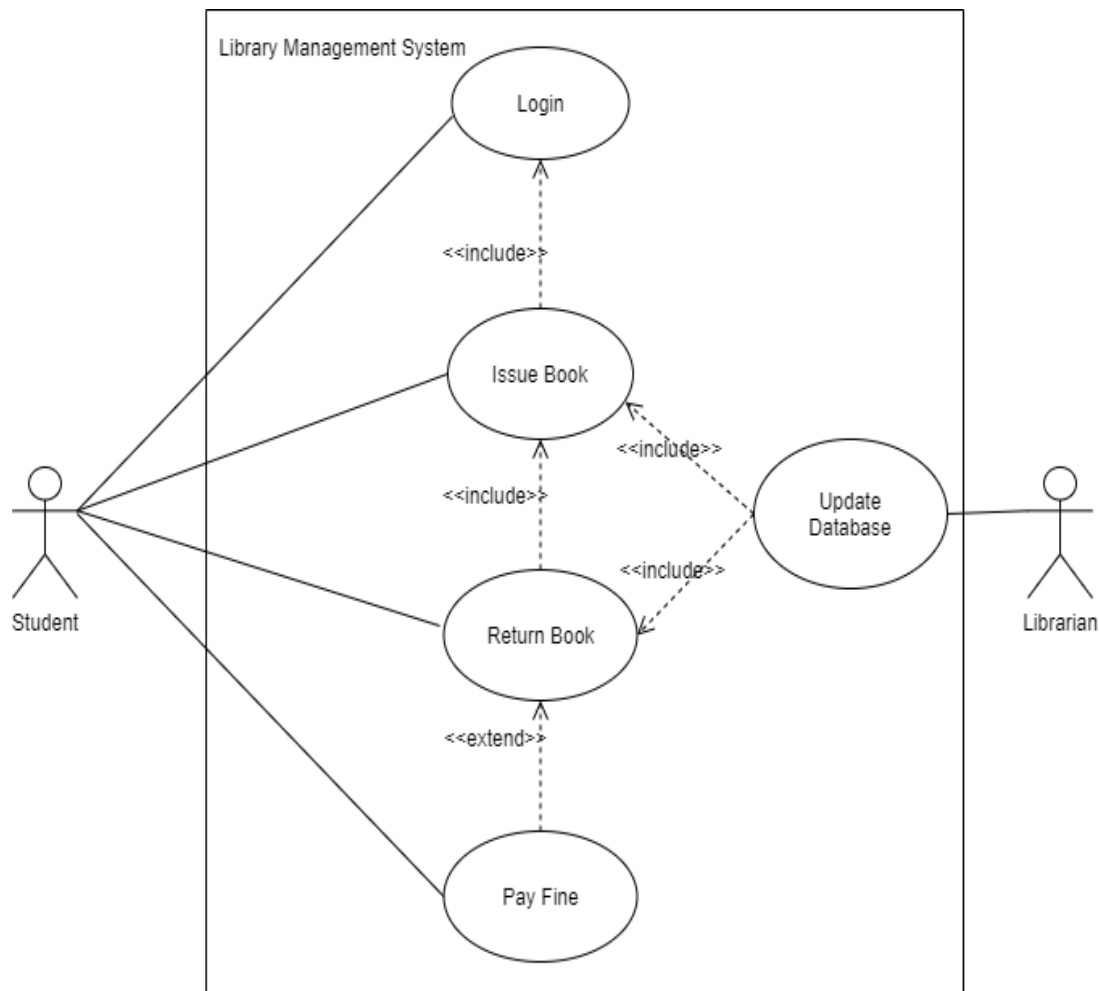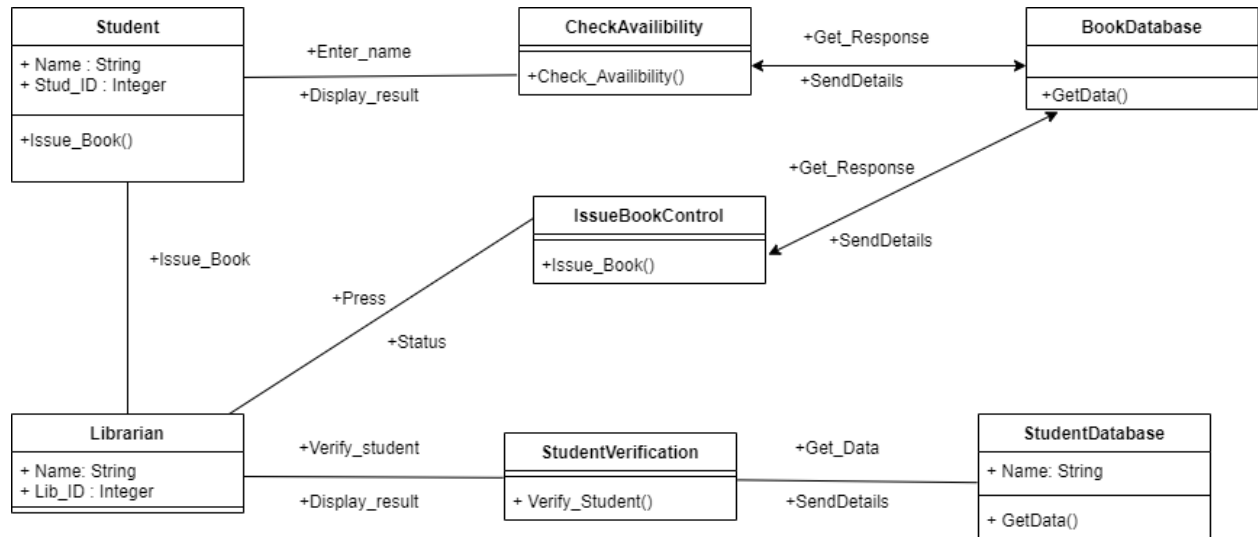
Use case documentation for "issueBook":

issueBook:
- **Actors**: student
- **Goal description**: In this use case registered students can issue any books, journals or magazines available in the library.
- **Pre-condition**: Students must be registered in the institute.
- **Post-condition**: Students can return a book after issuing.
- **Flow**:
    - Student can select issue book
    - After that students can choose book which they want to issue

2) Sequence Diagram

| Student | Lib_id:Librarian | Availability Page | Issue Book | Verification Page | Check Availability | Student Verification | Issue Book Control | Book Database | Student Database |

Enter_name()
Check_Availability()
Get_response()
Status
Send Details
Display_result

Issue_Book()
Verify_Student()
Verification()
Get_Data()
Status
Send_Details
Display_result
Press()
Issue_Book()
Get_Response()
Send_Details
Status
Give_Book

return

3). Analysis object diagram

Question-2 :

Sequence diagram :