



**IQRA National University**

**MAJOR SESSIONAL ASSIGNMENT**

**OBJECT ORIENTED SYSTEM ANALYSIS AND DESIGN**

**SUBMITTED TO:**

**SIR FAHEEM ULLAH**

**SUBMITTED BY:**

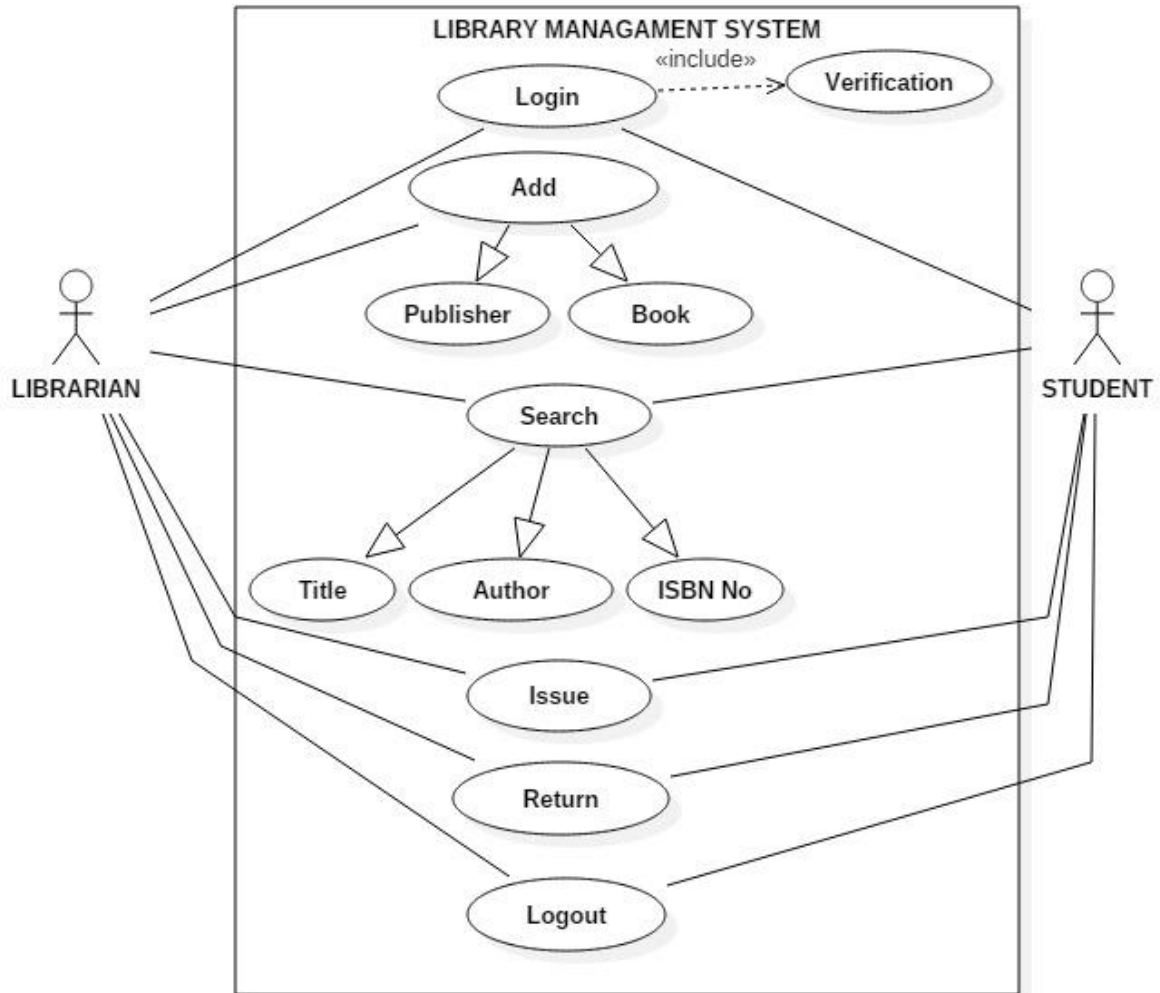
**SHAHZEB KHAN**

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**BSSE 8<sup>th</sup> SEC "A"**

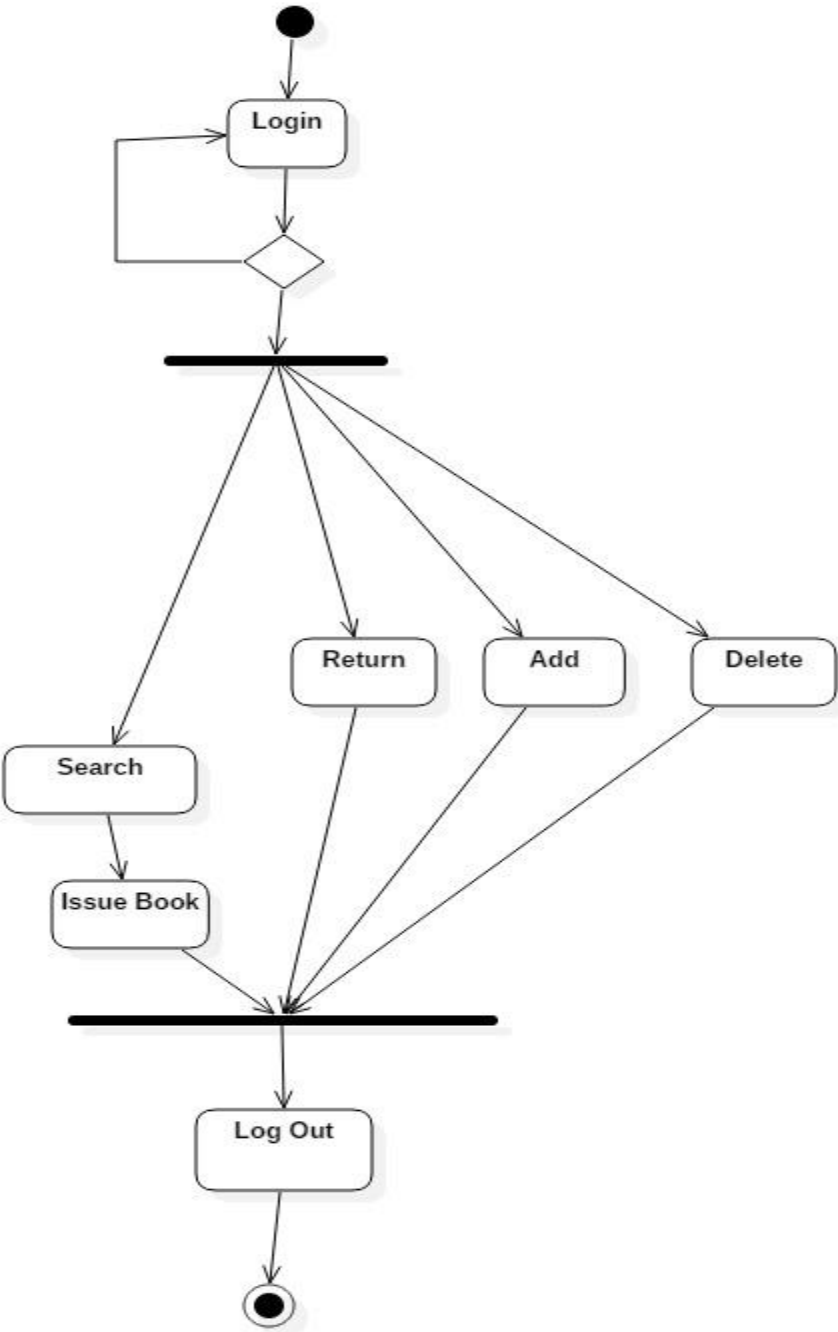
**Last Date: 10<sup>th</sup> June 2020**

**Q1: Draw detailed USECASE DIAGRAM of your FYP Project along with description.**



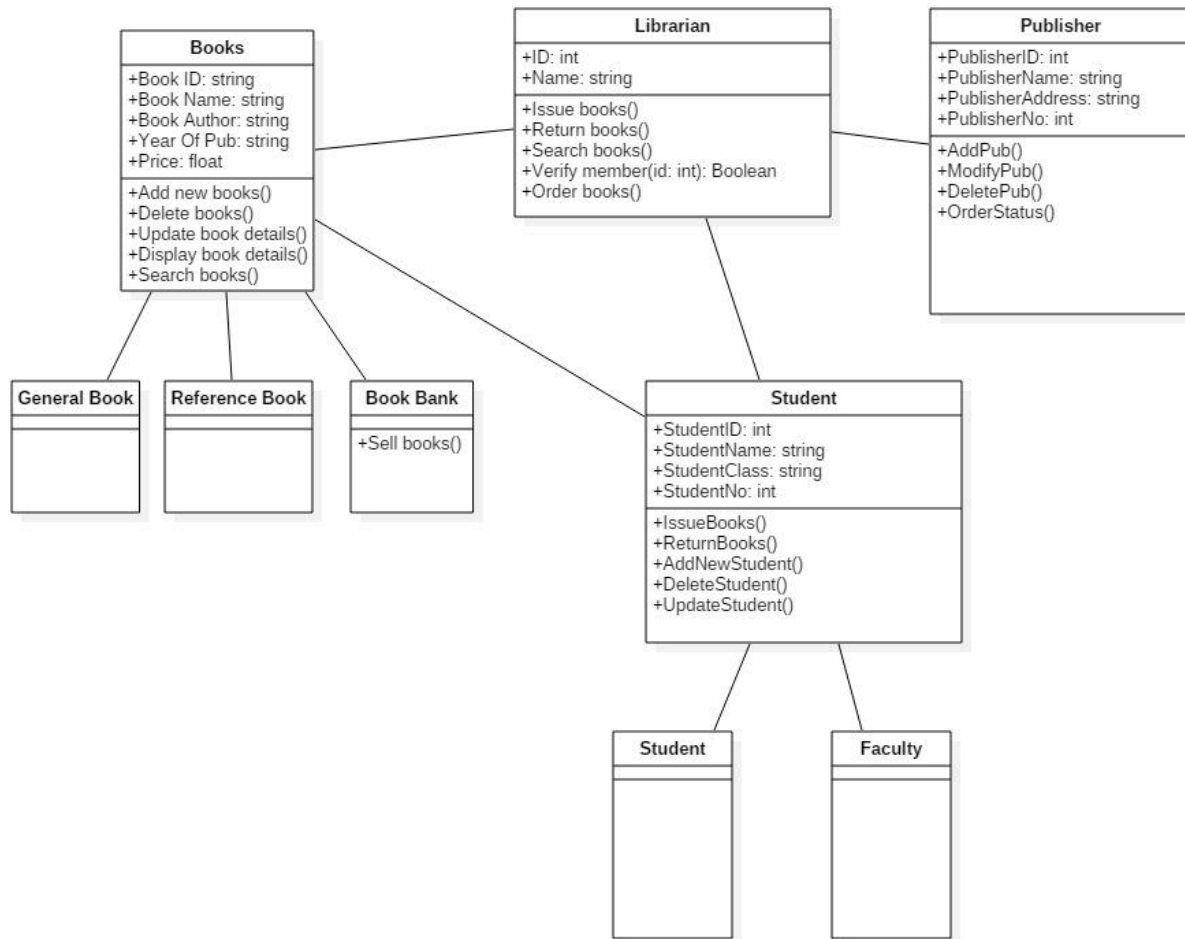
**DISCRIPTION:** This diagram explains the USECASE for the proposed Voice based search Library Management System.

**Q2: Draw detailed ACTIVITY DIAGRAM of your FYP Project along with the description.**



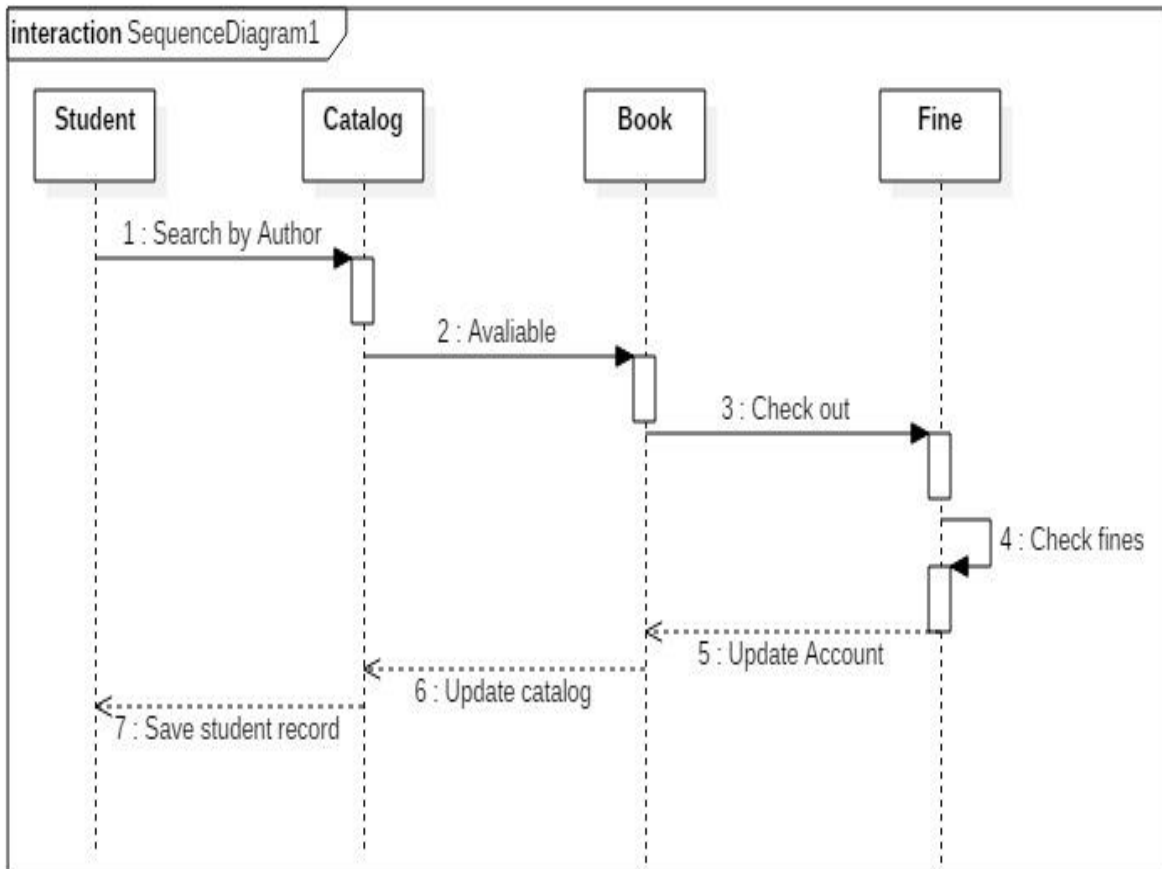
**DISCRIPTION:** Activity diagram shows the dynamic behavior of the system, in particular the workflow of the system.

**Q3: Draw detailed CLASS DIAGRAM of your FYP project along with the description. .**



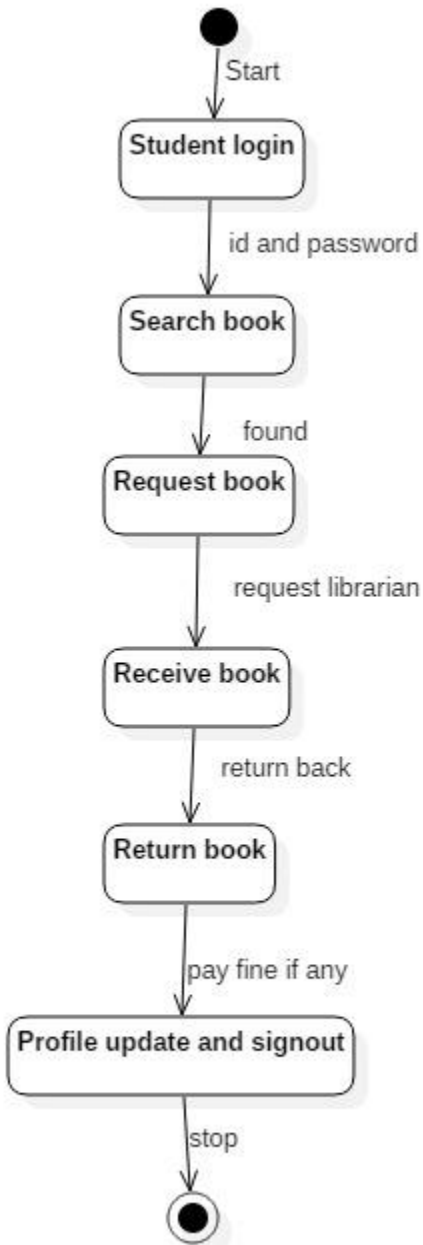
**DISCRIPTION:** The figure shows the static structure of the system.

**Q4: Draw detailed SEQUENCE DIAGRAM of your FYP Project along with description.**



**DISCRPTION:** The above diagram shows object interactions arranged in time sequence. It depicts the objects and classes involved in the system and the sequence of messages exchanged between the objects needed to carry out the functionality of the system.

**Q5: Draw detailed STATE CHART DIAGRAM of your FYP Project along with description.**



**DISCRIPTION:** State chart diagram is used to show the model states and also events operating on the system.