



**Ahsanullah University of Science and Technology (AUST)**  
Department of Computer Science and Engineering

**Project Proposal: Book Vault**

Course No.: CSE4126

Course Title: Distributed Database Systems Lab

**Semester: Fall 2022**

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**Submitted To-**

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Lab Group: B1

Year: 4<sup>th</sup> Semester: 1<sup>st</sup>

Department: CSE

**Create\_table.sql:** Created all the tables and inserted some values

**Register User.sql:**

Created procedure InsertLibraryMember to take input from user and insert into Member table with some condition to change the status to 'both'

**trigger.sql:**

Implement trigger insertMembers and updateMembers when an insert and a update operation performed in Members table

**Insert Books and Availability.sql:**

Created package with procedure InsertIntoBooks and function GetAvailableCopies

Implemented a InsertIntoBooks to insert values in Books table taking inputs from user

Implemented a function named GetAvailableCopies to check if a book is available on the library or not

**Borrow\_book.sql:**

Created package BorrowFromLibraryPackage with a function BorrowBook where the feature to borrow a book by a member has implemented