EECS 3421 ASSIGNMENT 3

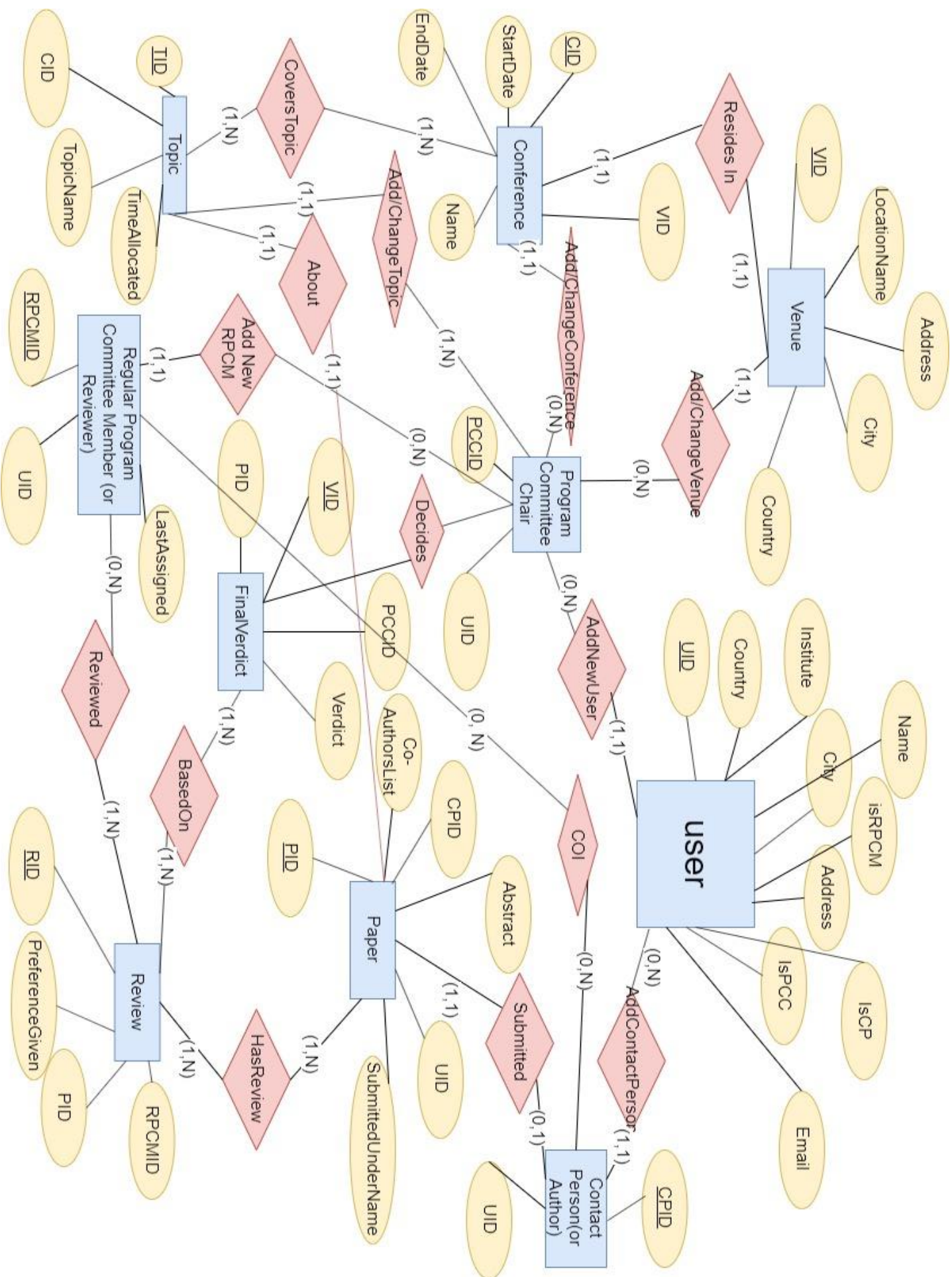**Name: Ahmad Baig**

Student#: 215180870

Login: ahmad85

Grace days used: 3 hours

Part A :

Assumptions:

1. The first assumption I made was that the Conference could only reside in one venue you can see this in relation to the cardinality between Conference and Venue relationship.

2. Another assumption I made was that a contact person was only able to submit one paper under his own name.

3. I also made the assumption that a paper could only be about one topic and it couldn't be about more than one topic.

4. I also made the assumption that a conference could be apart of as many topics as possible.

5. The assumption that Program Committee Chair could add and remove as many venues as they want.

6. The assumption that Program Committee Chair could add and remove as many Conferences as they want.

7. The assumption that Program Committee Chair could add and remove as many Topic as they want.

8. The assumption that the Program committee chair could add as many user as they wan.

9. A final verdict could be based of as many reviews as possible.

10. A regular program committee member could write as many reviews as they want.

Part C :

User(<u>UID</u>, Country, Institute, City, Name, Address, isRPCM, isCP, isPCC, Email)

ContactPerson(<u>CPID</u>, UID)

Paper(<u>PID</u>, Co-AuthorsList, CPID, Abstract, UID, SubmittedUnderNames)

COI(PID, UID)

ProgramCommitteeChair(<u>PCCID</u>, UID)

Review(<u>RID</u>, PID, RPCMID, PreferenceGiven)

FinalVerdict(<u>VID</u>, PID, PCCID, Verdict)

RegularProgramCommitteeMember(<u>RPCMID</u>, UID, LastAssignedPaperID)

Topic(<u>TID</u>, CID, TopicName, TimeAllocated)

Conference(<u>CID</u>, StartDate, EndDate, Name, VID)

Venue(<u>VID</u>, LocationName, Address, City, Country)

Part D:

CREATE TABLE User(

   UID   INTEGER   PRIMARY KEY,

   Country   VARCHAR   NOT NULL,

   Institute VARCHAR   NOT NULL,

   City   VARCHAR   NOT NULL,

   Name   VARCHAR   NOT NULL,

   Address   VARCHAR   NOT NULL,

   isRPCM   VARCHAR   NOT NULL,

   isCP   VARCHAR   NOT NULL,

   isPCC   VARCHAR   NOT NULL,

   Email   VARCHAR   NOT NULL

   );

```sql
CREATE TABLE ContactPerson(

   CPID     INTEGER   PRIMARY KEY,

   UID      INTEGER   REFERENCES User(UID) ON DELETE RESTRICT

   );


CREATE TABLE Paper(

   PID           INTEGER   PRIMARY KEY,

   Co-AuthorList     VARCHAR    NOT NULL,

   CPID           INTEGER    REFERENCES ContactPerson(CPID) ON DELETE RESTRICT,

   Abstract        VARCHAR    NOT NULL,

   UID           INTEGER    REFERENCES User(UID) ON DELETE RESTRICT,

   SubmittedUnderName  VARCHAR    NOT NULL

   );


CREATE TABLE COI(

   PID      INTEGER   REFERENCES Paper(PID) ON DELETE RESTRICT,

   UID      INTEGER   REFERENCES User(UID) ON DELETE RESTRICT

   );


CREATE TABLE ProgramCommitteeChair(

   PCCID     INTEGER   PRIMARY KEY,

   UID      INTEGER   REFERENCES User(UID) ON DELETE RESTRICT

   );


CREATE TABLE Review(

   RID     INTEGER   PRIMARY KEY,

   UID     INTEGER   REFERENCES User(UID) ON DELETE RESTRICT

   );
```

```sql
CREATE TABLE FinalVerdict(

    VID      INTEGER    PRIMARY KEY,

    PID      INTEGER    REFERENCES Paper(PID) ON DELETE RESTRICT,

    RPCMID   INTEGER    REFERENCES RegularProgramCommitteeMember(RPCMID) ON DELETE
RESTRICT,

    PreferenceGiven       VARCHAR    NOT NULL

    );


CREATE TABLE RegularProgramCommitteeMember(

    RPCMID   INTEGER    PRIMARY KEY,

    UID      INTEGER    REFERENCES User(UID) ON DELETE RESTRICT,

    LastAssignedPaperID   INTEGER    REFERENCES Paper(PID) ON DELETE RESTRICT

    );


CREATE TABLE Topic(

    TID       INTEGER    PRIMARY KEY,

    CID       INTEGER    REFERENCES Conference(CID) ON DELETE RESTRICT,

    TopicName    VARCHAR    NOT NULL,

    TimeAllocated VARCHAR    NOT NULL

    );


CREATE TABLE Conference(

    CID       INTEGER    PRIMARY KEY,

    StartDate    TIMESTAMP   NOT NULL

    EndDate      TIMESTAMP   NOT NULL,

    Name       VARCHAR    NOT NULL

    VID        INTEGER    REFERENCES Venue(VID) ON DELETE RESTRICT,
```

```
    );


CREATE TABLE Venue(
    VID         INTEGER    PRIMARY KEY,
    LocationName  VARCHAR    NOT NULL
    Address      VARCHAR    NOT NULL
    City         VARCHAR    NOT NULL
    Country      VARCHAR    NOT NULL
    );
```