CMPS351

Project Phase 1

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Lab Section No: B03

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Part 1:

1. **List all entities and attributes:**

-Author {Country, Organization, name(First, Last), Email\_ID}

-Paper {Submission\_Date, Status, Title, Abstract, Name\_Of\_File, ID}

-Reviewer {Topic\_Of\_Intrest, Phone\_Number, Affiliation, Email, Exp.\_level, name(First, Last), Max\_No\_Papers}

-Log\_In { Email, User\_Name, User\_Id, Passcode}

-Log\_Transaction {Date, Table\_Name, Transaction\_Type, Email, User\_Name}

**b. List all relationships and their cardinalities:**

-Has\_Account { 1:N between Author and Log\_In}

-Has\_Account { 1:N between Reviewer and Log\_In}

-Reviews {N:M between Reviewer and Paper}

-Has {M:N between Log\_In and Log\_Transaction}

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1. **ERD:**

A diagram of a complex flowchart

AI-generated content may be incorrect.

**Part 2:**

1. **List all FK:**

**-**Paper\_Author { Paper\_Id from Paper, emailId from Author}

**-**Reviewes { Paper\_Id from Paper, Reviewer\_EmailId from Reviewer}

-Log\_In { Author\_Email\_ID from Author, Reviewer\_Email\_Id from Reviewer}

-LogIn\_Transaction { Username from Log\_In, Transaction\_ID and Email\_ID from Log\_Transaction}

-Log\_Transaction { User\_Name from Log\_In}

1. **N:M relationShips:**
2. Paper\_Author N:M relationship:

-Create a relation called Paper\_Author.

-List as FK in Paper\_Author the PK of Author and Paper relations.

-Add the attribute Contact\_Author in the realtion Paper\_Author.

2. Reviews N:M relationship:

-Create a relation called Reviews.

-List as FK in Reviews the PK of Reviewer and Paper relations.

-Add the attributes{ Score, Category, Submission\_Date} in the realtion Reviews.

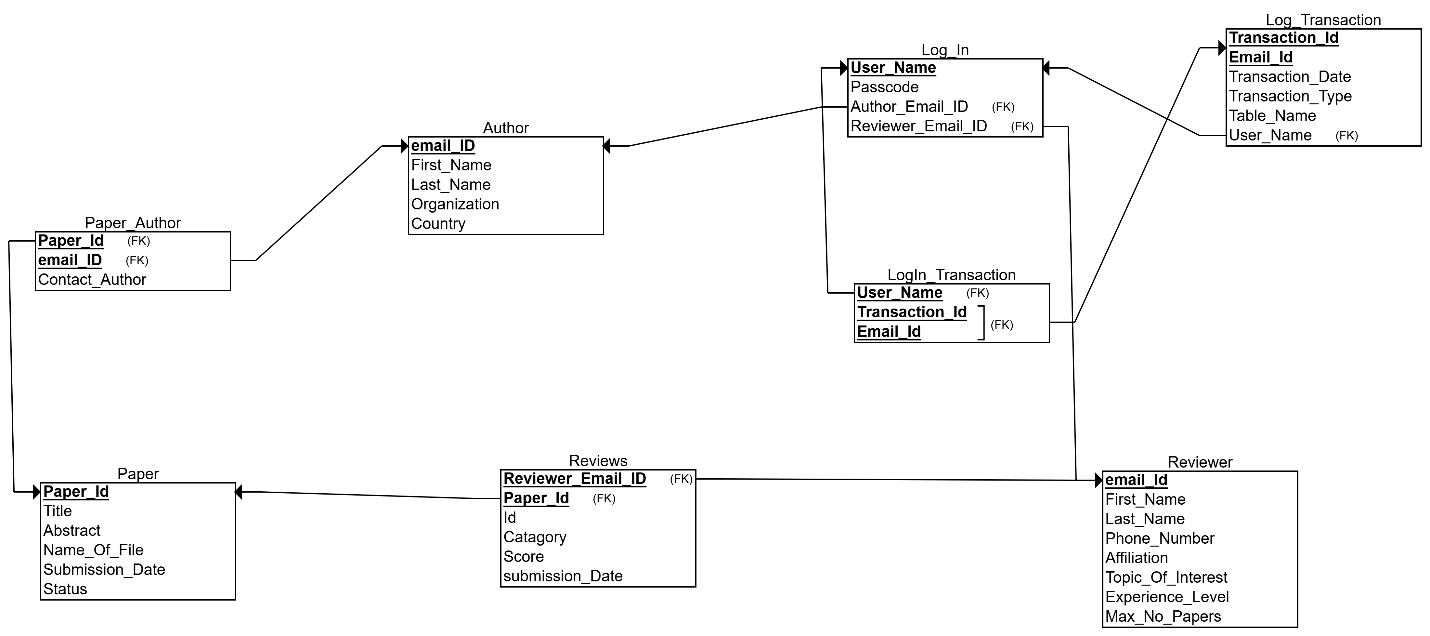
1. LogIn\_LogTransaction N:M relationship:

-Create a relation called LogIn\_Transaction.

-List as FK in Reviews the PK of Log\_In and Log\_Transaction relations.

-No Attributes to be added to the new relation.

1. **draw**

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