INVENTION MANAGEMENT SYSTEM

(GROUP - 5)

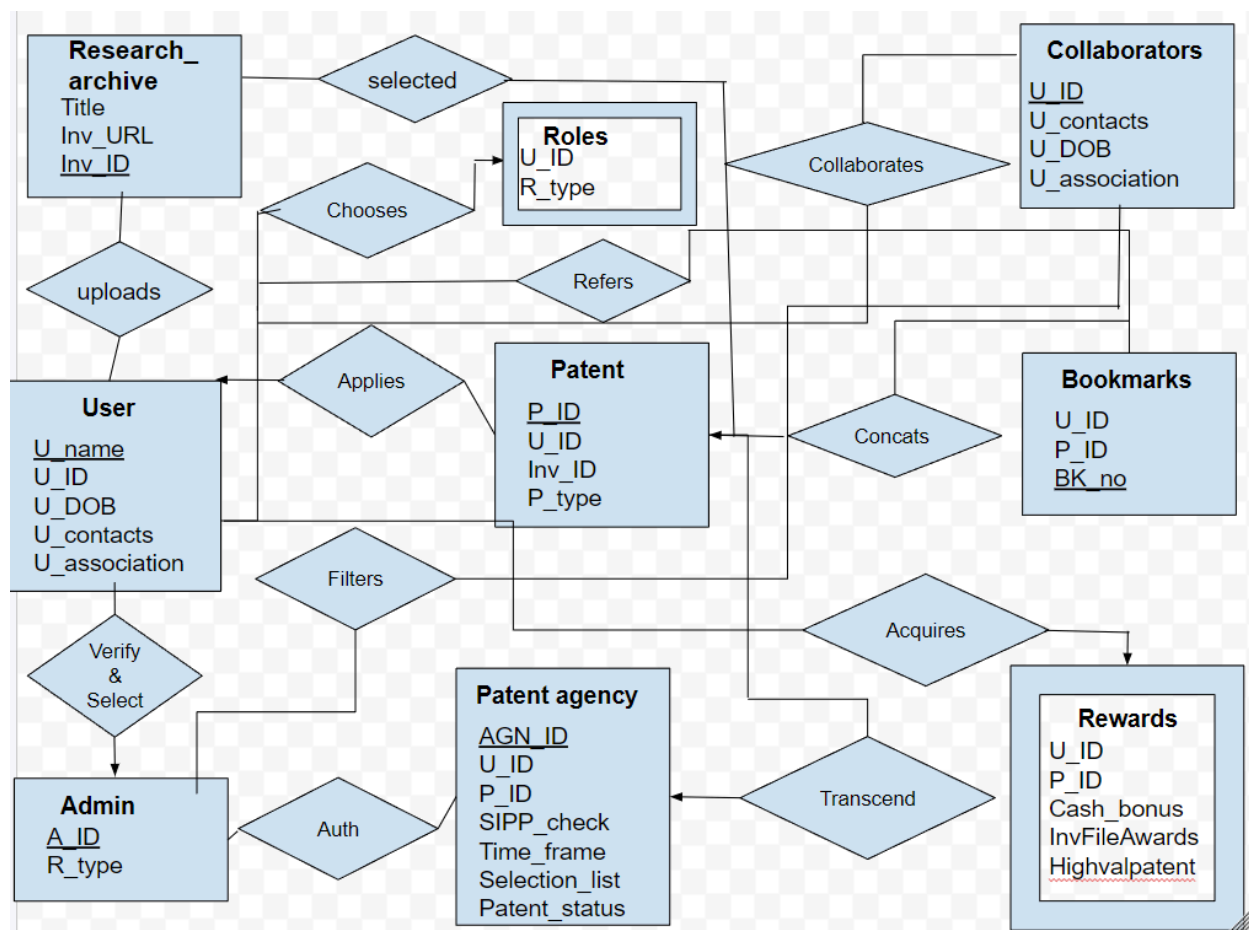| 1	Hari Govind	AM.EN.U4CSE21326
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ABSTRACT-

The objective of this project management database is to construct schemas (tables) to store all of the invention papers from each genre so that the admin and the users will have ease in saving and storing the data in the database.

The administrators will have the ability to update and modify the table, users can insert their research papers into each row of the designated columns and tables. Users have the option of deleting the row that they have initially set and saving data or their information into the columns and tables, and they can then search for specific research papers, innovations and journals based on their needs. According to the user's parameters, the papers can be sorted or filtered. By creating such a database, it is possible for users to access the data much more easily and at the same time sustainably - modifying, updating, altering, or deleting it as per their given requirements.
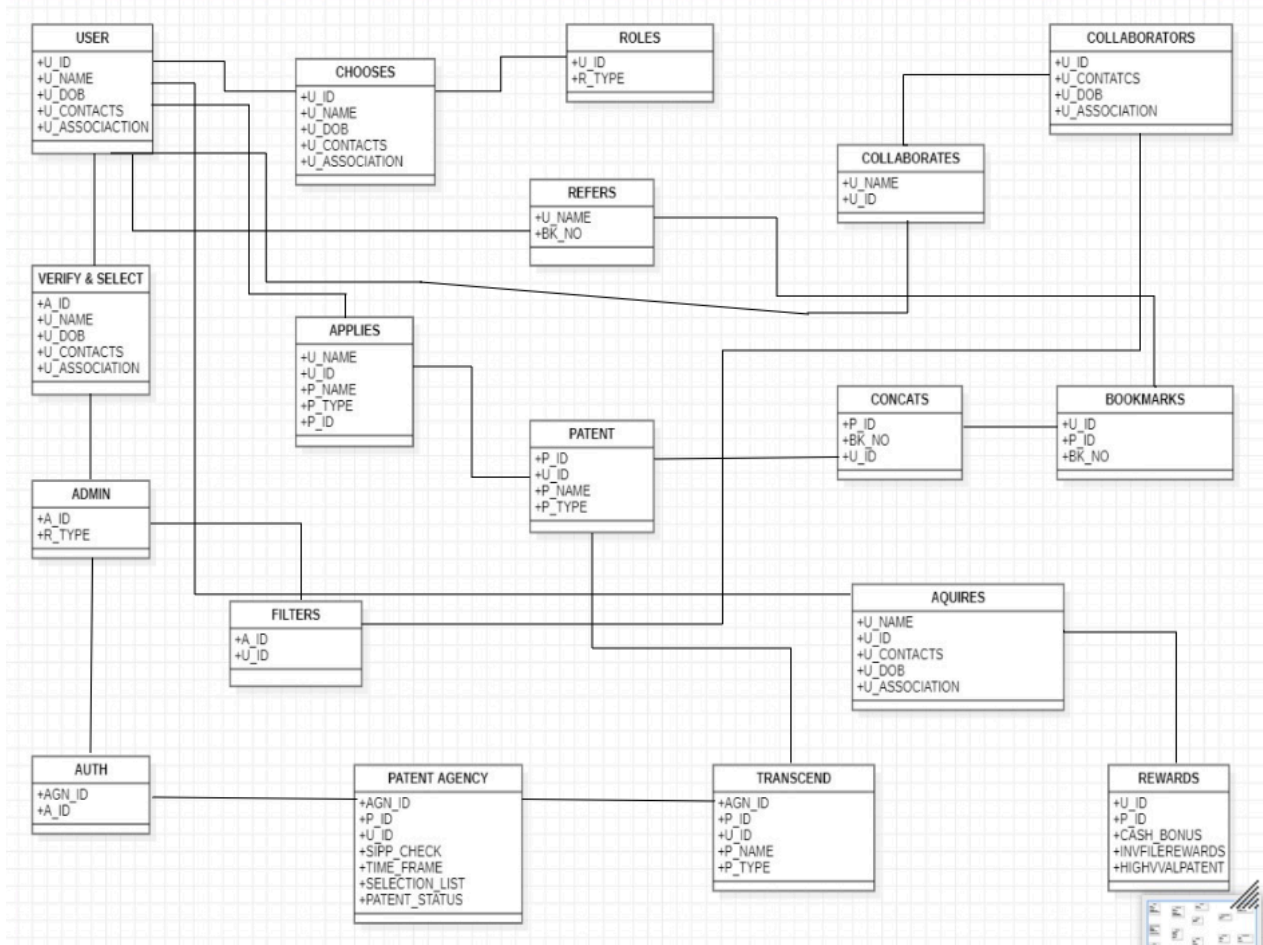
Some of the useful features of this sought-after database is that it enables the admin to easily set relations within the schemas of the database, that is, there will be multiple sets of foreign keys that will be used for mapping the author details and the information that is being setup by them.

This will help both the user and the author to make the database and maintain the database a much more structured and less tedious task while at the same time giving many functionalities for the invention paper authors to use while uploading or inserting their data in the given columns and tables of the database.

~Entity Relationship Diagram :

~Schema Diagram :

~Relational Schema :

- USER(U_ID, U_NAME, U_DOB,PASSWORD, U_CONTACTS,U_ASSOCIATION)
- ROLES(U_ID, R_TYPE)
- CHOOSES(U_ID, U_NAME, U_DOB, U_CONTACTS,U_ASSOCIATION)
- COLLABORATORS(U_ID,U_CONTACTS,U_DOB,U_ASSOCIATION)
- COLLABORATES(U_NAME,U_ID)
- BOOKMARKS(U_ID,P_ID,BK_NO)
- RESEARCH_ARCHIVE(TITLE,INEVNTION_URL,INVENTION_ID)K)
- SELECTED(INVENTION_ID,P_ID)
- REFERS(U_NAME,BK_NO)
- PATENT(P_ID,U_ID,P_NAME,P_TYPE)

- APPLIES(P_ID,U_NAME,U_ID,P_NAME,P_TYPE)
- CONCATS(P_ID,BK_NO,U_ID)
- ADMIN(A_ID,R_TYPE)
- VERIFY & SELECT(A_ID,U_NAME,U_DOB, U_CONTACTS,U_ASSOCIATION)
- FILTERS(A_ID,U_ID)
- REWARDS(U_ID,P_ID,CASH_BONUS,INVFILEAWARDS,HIGHVALPATENT)
- ACQUIRES(U_NAME,U_ID,U_CONTACTS,U_DOB,U_ASSOCIATION)
- PATENT AGENCY(AGN_ID,U_ID,P_ID,SIPP_CHECK,TIME_FRAME,SELECTION_LIST,PATENT_STATUS)
- AUTH(AGN_ID,A_ID)
- TRANSCEND(AGN_ID,P_ID,U_ID,P_NAME,P_TYPE)