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Academic Paper Proofreading Website

Deliverable 2 – Database Implementation (Week 8)

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# **Introduction**

In this document, I will be discussing the implementation of our database schema in our web development project. Within this report, I will be including:

* **Database Tables**
  + Each table will consist of:
    - Attribute list + datatypes
    - Purpose in web system
    - SQL statement for table

## Github Link

Click [here](https://github.com/Coding-Chicken-Lover/Web-Development-Project/blob/master/Documents/Database%20Schemas/tables.sql) to access SQL file in our repository

**Just in case it fails:**

https://github.com/Coding-Chicken-Lover/Web-Development-Project/blob/master/Documents/Database%20Schemas/tables.sql

NOTE: No sample data will be added to any database tables with this SQL code.

# **Database Tables**

## `Users` table

|  |  |
| --- | --- |
| TABLE ATTRIBUTES | DATATYPE |
| **User\_ID** | INT |
| FirstName | VARCHAR(128) |
| LastName | VARCHAR(128) |
| Email | VARCHAR(128) |
| Subject | VARCHAR(126) |
| Rep\_Points | INT |
| Password | VARCHAR(255) |

The `Users` table is used to store information on each user of the website. Each user is identified and represented by their University ID which in this case is the `User\_ID`



## `Tasks` table

|  |  |
| --- | --- |
| TABLE ATTRIBUTES | DATATYPE |
| **Task\_ID** | INT |
| **Owner** | INT |
| Date\_Created | DATETIME |
| Title | VARCHAR(255) |
| Type | VARCHAR(20) |
| Description | VARCHAR(5000) |
| Pages | INT |
| Words | INT |
| Format | VARCHAR(10) |

The `Tasks` table is used to store basic information on each task a user creates. Each task is identified and represented by their `Task\_ID` and the ID of its `Owner`. Each User can publish multiple tasks at a time.



## `Tags` table

The `Tags` table is used to store tags that a user can use to classify a task they have created. Each tag with a particular title is represented by their `Tag\_ID`

|  |  |
| --- | --- |
| TABLE ATTRIBUTES | DATATYPE |
| **Tag\_ID** | INT |
| Title | VARCHAR(20) |



## `Task\_Tags` table

|  |  |
| --- | --- |
| TABLE ATTRIBUTES | DATATYPE |
| Task\_ID | INT |
| Tag\_ID | INT |

The `Task\_Tags` acts as a dependent entity between the `Tasks` table and the `Tags` table. It keeps track on what tag is connected to a particular task. Each task can only have 4 tags at a time.



## `Task\_Status` table

|  |  |
| --- | --- |
| TABLE ATTRIBUTES | DATATYPE |
| **Task\_ID** | INT |
| Status | VARCHAR(20) |
| Claimant | INT |
| Rating | VARCHAR(10) |

The `Task\_Status` table stores the state of a task in a certain period of time. A task’s possible states are:

* PENDING\_CLAIM
* CLAIMED
* UNCLAIMED
* CANCELLED
* COMPLETE
* FAILED



## `Deadlines` table

The `Task\_Status` table stores deadlines for a task. The `Claim\_D` attribute stores the expiry date of a task in the task stream. The `Sub\_D` attribute stores the date at which the claimant must submit his/her’s work back to the task owner.

|  |  |
| --- | --- |
| TABLE ATTRIBUTES | DATATYPE |
| **Task\_ID** | INT |
| Claim\_D | DATETIME |
| Sub\_D | DATETIME |



## `Banned\_Users` table

|  |  |
| --- | --- |
| TABLE ATTRIBUTES | DATATYPE |
| **Banned\_User** | INT |
| Banner | DATETIME |
| Date | DATETIME |

The `Banned\_Users` table keeps in account the users who have been banned by a moderator. It also stores the date of when the user got banned.



## `Flagged\_Tasks` table

|  |  |
| --- | --- |
| TABLE ATTRIBUTES | DATATYPE |
| **Task\_ID** | INT |
| **Flagger** | INT |
| Description | VARCHAR(15) |
| Review\_Status | VARCHAR(10) |
| Date\_Flagged | DATETIME |

The `Flagged\_Task` table stores the tasks that have been flagged. The table also includes the user that flagged the user, the reason of the flag, a flag indicating whether the task has been checked by a moderator and the date when the task got flagged.

