**Database Tables**

= Primary Key

*Please note tables may be modified and amended during the course of the project depending on functionality and user feedback.*

**Table Name: User**

*Primary Key : UserID*

Description: The User table stores general information about the each user such as their name, email and subject area.

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| --- | --- | --- |
| **Field Name** | **Data Types** | **Example** |
| UserID | INT(10) | 9832224 |
| FirstName | VARCHAR(32) | RICHARD |
| LastName | VARCHAR(32) | JONES |
| UserEmail | VARCHAR(32) | [RichardJo@yahoo.ie](mailto:RichardJo@yahoo.ie) |
| UserSubject | VARCHAR(32) | Math |
| UserRep | INT | 20 |
| PromoteToMod | BOOLEAN | False |
| UserTags | TEXT | html |
| Password | VARCHAR(32) (ENCRYPTED) | 3@#$%100%2 |

* **UserID** is the primary key identifier for every user. Every user has one unique ID(e.g. 9832224).
* **FirstName** is the actual first name of the user stored in the table.
* **LastName** is the actual surname of the user stored in the table.
* **UserEmail** is the user’s own email address.
* **UserSubject** is the user’s major discipline
* **UserRep** is the user’s reputation on a scale of 1-100 stored in the table.
* **PromoteToMod** is accessible if the user’s reputation is greater than 40. It will allow them to gain moderator privileges.
* **UserTags** is a list of the user’s favourite and subscribed tags.
* **Password** is the user’s encrypted password.

**Table Name: Tasks**

*Primary Key: TaskID*

Description: A table containing a list of tasks uploaded. The user from here can add a query to create a task, browse for a task, claim a task and flag a task. Users can also filter the database here and view only claimed or unclaimed tasks here. They can also filter the database and view flagged tasks.

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| --- | --- | --- |
| **Field Name** | **Data Types** | **Example** |
| TaskID | INT(10) | 3562705 |
| CreatorID | INT(10) | 00022224 |
| ClaimID | INT(10) | 45453334 |
| TaskTitle | VARCHAR(32) | English Spellcheck |
| TaskType | VARCHAR(32) | MSc |
| TaskDesc | VARCHAR(32) | Hamlet report |
| PageCount | INT | 5 |
| WordCount | INT | 5000 |
| FileFormat | VARCHAR(10) | .docx |
| ClaimDeadline | DATE | 15/05/2017 |
| SubmissionDeadine | DATE | 10/10/2017 |
| ClaimedStatus | BOOLEAN | True |
| FlaggedStatus | BOOLEAN | False |
| TaskTags | TEXT | html |

* **TaskID** is the primary key identifier unique to every task. Every task has one unique ID. (e.g. 2705550).
* **CreatorID** is the ID of the user that posted the task.
* **ClaimID** is the ID of the user that claims the task. When it is null or blank the task is still listed but once a user has claimed it, it is no longer listed in the catalogue.
* **TaskTitle** is the name of the task as specified by the creator.
* **TaskType** is the type of task as specified by the creator.
* **TaskDesc** is a description of the task as specified by the creator.
* **PageCount** is a counter referring to the amount of pages in the task as specified by the creator.
* **WordCount** is a counter referring to the amount of words in the task as specified by the creator.
* **FileFormat** is the file type of the task as specified by the creator.
* **ClaimDeadline** is the final date this task can be claimed as specified by the creator.
* **SubmissionDeadline** is the final date a task can be submitted as specified by the creator.
* **ClaimedStatus** is a current status of the task. It refers to whether or not the current task has been claimed by a user.
* **FlaggedStaus** is a current status of the task. It refers to whether or not the current task has been flagged by a user.
* **TaskTags** is the tags for that particular task.

**Table Name: Task\_Tags**

Description: Task\_Tags creates the relational link tying tasks and tags together (junction table).

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| --- | --- | --- |
| **Field Name** | **Data Types** | **Example** |
| TaskID | INT (10) | 2705033 |
| TagID | INT (10) | 2701111 |

**Table Name: User\_Tags**

Description: Task\_Tags creates the relational link tying user and tags together (junction table).

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| **Field Name** | **Data Types** | **Example** |
| UserID | INT (10) | 2705033 |
| TagID | INT (10) | 2701111 |

**Table Name: Tags**

Description: The tags table stores all tags listed with a TagID.

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| **Field Name** | **Data Types** | **Example** |
| TagID | INT (10) | 67449 |
| Tag | VARCHAR (255) | html |

**Relationships within the database**

* Many users can create/view many tasks. Many tasks can have many users.
* Many tasks can have many tags. Many tags can have many tasks.

