Database Design/Development

Table name: User Information

The database is used to store the personal information of users. In addition, it used to store the updated password and personal detail of users.

|  |  |  |
| --- | --- | --- |
| Name | Type |  |
| user\_id | int 6 | Primary key |
| user\_name | varchar 20 |  |
| user\_password | varchar 20 |  |
| user\_email | varchar 30 |  |
| user\_hobby | varchar\_30 |  |
| user\_country | varchar 40 |  |
| user\_birthdate | date |  |
| user\_gender | varchar 2 |  |
| user\_photo | varchar 80 |  |

Table name: Storage

The database is used to calculate and store the total amount space used by users. In addition, it reminds the users the total amount of space left so that they are informed the total size left.

|  |  |  |
| --- | --- | --- |
| Name | Type |  |
| storage\_id | int 6 | Primary key |
| storage\_total | int 10 |  |
| storage\_used | int 10 |  |
| user\_id | int 6 | Foreign key |

Table name: Media

The table is used to store the the information of every media files.

The storage unit is measured in (KB)

|  |  |  |
| --- | --- | --- |
| Name | Type |  |
| media\_id | int 6 | Primary key |
| media\_type | varchar 10 |  |
| media\_title | varchar 30 |  |
| media\_uploaddate | date |  |
| media\_modifydate | date |  |
| media\_size | Int 10 |  |
| media\_description | varchar 50 |  |
| media\_sharelink | varchar 30 |  |
| media\_favourite | varchar 2 |  |
| media\_location | varchar 80 |  |
| user\_id | int 6 | Foreign key |

Table name: Folder

The tables is created and used to store the different type media file in different folder. In addition, it allowed for users to implement fundamental management folder such as renaming, creating and deleting the folder.

|  |  |  |
| --- | --- | --- |
| Name | Type |  |
| folder\_id | int 6 | Primary key |
| folder\_name | varchar 20 |  |
| folder\_location | varchar 80 |  |
| media\_id | int 6 | Foreign key |
| user\_id | int 6 | Foreign key |

Table name: Recycle Bin

The database is used to store the unwanted media files temporarily which is selected by users.

The media files is stored temporarily for the future recovery whether users want to recover or delete trash files permanently.

|  |  |  |
| --- | --- | --- |
| Name | Type |  |
| bin\_id | int 6 | Primary key |
| bin\_total | int 10 |  |
| bin\_used | Int 10 |  |
| media\_id | Int 6 | Foreign key |
| user\_id | Int 6 | Foreign key |