**1**. **tbl\_CustomUser**

Primary key: **User ID**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | User ID | Integer | Primary Key | Unique User Identifier |
| 2 | Username | Varchar (20) | Not Null | User’s username |
| 3 | Email | Varchar (20) | Not Null | User’s email |
| 4 | Password | Varchar (20) | Not Null | Password (Hashed) |
| 5 | Profile Pic | File | Not Null | User’s profile picture |
| 6 | Location | Varchar (20) | Not Null | User’s Location |
| 7 | About Me | Varchar (50) | Not Null | User’s About me description |

**2**. **tbl\_Skill**

Primary key: **Skill ID**

Foreign key: **User ID** references **CustomUser**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | Skill ID | Integer | Primary Key | Unique Skill Identifier |
| 2 | User ID | Integer | Foreign Key | References user |
| 4 | Skill Name | Varchar (20) | Not Null | Name of the skill |
| 5 | Description | Varchar (50) | Not Null | Skill Description |

**3**. **tbl\_Follower**

Primary key: **Follwer ID**

Foreign key: **Following ID, Follower ID** references **CustomUser**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | Follow ID | Integer | Primary Key | Unique follow relationship identifier |
| 2 | Following ID | Integer | Foreign Key | Following user ID |
| 3 | Follower ID | Integer | Foreign Key | Follower user ID |
| 4 | Is\_Following | Boolean | Not Null | Shows if following or not |

**4**. **tbl\_SkillRequest**

Primary key: **Request ID**

Foreign key: **Sender ID, Receiver ID** references **CustomUser**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | Request ID | Integer | Primary Key | Unique request identifier |
| 2 | Sender ID | Integer | Foreign Key | User sending the request |
| 3 | Receiver ID | Integer | Foreign Key | User receiving the request |
| 4 | Message | Integer | Not Null | Request Message |
| 5 | Status | Varchar (10) | Not Null | Request status (Pending, Accepted, Rejected) |

**5**. **tbl\_SkillSession**

Primary key: **Request ID**

Foreign key: **Sender ID, Receiver ID** references **CustomUser**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | Session ID | Integer | Primary key | Unique session identifier |
| 2 | Initiator ID | Integer | Foreign Key | User initiating the session |
| 3 | Recipient ID | Integer | Foreign Key | User receiving the session |
| 4 | Duration | Integer | Not Null | Duration of the session in minutes |
| 5 | Status | String | Not Null | Status of the session (Completed, Expired, Abandoned) |
| 6 | Date | Date Time | Not Null | Session date |

**6**. **tbl\_Review**

Primary key: **Review ID**

Foreign key: **Reviewer ID, Reviewed ID** references **CustomUser**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | Review ID | Integer | Primary Key | Unique review identifier |
| 2 | Reviewer ID | Integer | Foreign Key | User leaving the review |
| 3 | Reviewed ID | Integer | Foreign Key | User being reviewed |
| 4 | Comment | Varchar (50) | Not Null | Review comment |
| 5 | Date | Date Time | Not Null | Date and time of review |

**7**. **tbl\_SkillPoints**

Primary key: **SkillPoint ID**

Foreign key: **User ID** references **CustomUser**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | Skill points ID | Integer | Primary Key | Unique skill point identifier |
| 2 | Available points | Integer | Not Null | Available skill points |
| 3 | Spent points | Integer | Not Null | Skill points spent |
| 4 | Received points | Integer | Not Null | Skill points received |
| 5 | User ID | Integer | Foreign Key | References CustomUser |

**8**. **tbl\_SkillPointRequest**

Primary key: **Request ID**

Foreign key: **Sender ID, Receiver ID** references **CustomUser, Skill Request ID** references **SkillRequest**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | Request ID | Integer | Primary Key | Unique skill points request identifier |
| 2 | Sender ID | Integer | Foreign Key | Request sender |
| 3 | Receiver ID | Integer | Foreign Key | Request receiver |
| 4 | Points requested | Integer | Not Null | Skill points requested |
| 5 | Skill Request ID | Integer | Foreign Key | References SkillRequest |

**9. tbl\_SkillPointTransaction**

Primary key:  **ID**

Foreign key: **User ID** references **CustomUser**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | Transaction ID | Integer | Primary Key | Unique transaction identifier |
| 2 | Amount | Integer | Not Null | Price of Skill points |
| 3 | Skill points | Integer | Not Null | Skill points count |
| 4 | Purchase Time | Date Time | Not Null | Date and Time of purchase |
| 5 | User ID | Integer | Foreign Key | References CustomUser |

**10.** **tbl\_Messages**

Primary key:  **Message ID**

Foreign key: **SenderID, ReceiverID** references **CustomUser**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | Message ID | Integer | Primary Key | Unique Message identifier |
| 2 | Message | Varchar (50) | Not Null | Content of the message |
| 3 | Sender ID | Integer | Foreign Key | Sender user ID |
| 4 | Receiver ID | Integer | Foreign Key | Receiver user ID |

**11.** **tbl\_Skill\_Recommendation**

Primary key:  **Recommendation ID**

Foreign key: **Requested user ID, Recommended user ID** references **CustomUser, Skill ID** references **Skill**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | Recommendation ID | Integer | Primary Key | Unique Recommendation identifier |
| 2 | Skill ID | Integer | Foreign Key | Skill of the user |
| 3 | Requested user ID | Integer | Foreign Key | Requested user |
| 4 | Recommended user ID | Integer | Foreign Key | Recommended user |
| 5 | Recommendation Score | Integer | Not NULL | Accuracy of the prediction |

**11.** **tbl\_Collaboration\_Request**

Primary key:  **Collaboration ID**

Foreign key: **Receiver ID, Sender ID** references **CustomUser, Skill ID** references **Skill**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | Collab\_Request ID | Integer | Primary Key | Unique request identifier |
| 2 | Skill ID | Integer | Foreign Key | Skill Identifier |
| 3 | Sender ID | Integer | Foreign Key | Sender user ID |
| 4 | Receiver ID | Integer | Foreign Key | Receiver user ID |
| 5 | Collab\_Status | Varchar (20) | Not Null | Status of the Collaboration  (accepted/rejected/pending) |

**12.** **tbl\_collab\_schedule**

Primary key:  **Collaboration ID**

Foreign key: **Collab\_request ID** references **Collaboration\_request.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | Collaboration ID | Integer | Primary Key | Unique collaboration identifier |
| 2 | Collab\_request ID | Integer | Foreign Key | Price of Skill points |
| 3 | Date | Date Time | Not Null | Date and Time of Collaboration |
| 4 | Status | Varchar (20) | Not Null | Date and Time of purchase |

**13.** **tbl\_Video\_Chat**

Primary key:  **Video Chat ID**

Foreign key: **Session ID** references **SkillSession.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | Video Chat ID | Integer | Primary Key | Unique Video Chat identifier |
| 2 | Session ID | Integer | Foreign Key | Session identifier |

**14.** **tbl\_Notification**

Primary key:  **Notification ID**

Foreign key: references **Sender ID, Receiver ID** references **CustomUser**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | Notification ID | Integer | Primary Key | Unique Notification identifier |
| 2 | Sender ID | Integer | Foreign Key | Sender user ID |
| 3 | Receiver ID | Integer | Foreign Key | Receiver user ID |
| 4 | Content | Varchar (50) | Not Null | Notification Content |
| 5 | Date Time | Date Time | Not Null | Date and Time of notification |