**Career Compass Data Dictionary**

**1. Users**

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| **user\_id** | **INT (PK)** | **Unique identifier for each user** |
| **email** | **VARCHAR** | **User’s email address** |
| **password** | **VARCHAR** | **Hashed password for authentication** |
| **role** | **ENUM('Student', 'Recruiter', 'Admin', 'Career Counselor')** | **Defines the role of the user** |

**2. Students**

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| **student\_id** | **INT (PK, FK)** | **Unique identifier for each student (references Users)** |
| **first\_name** | **VARCHAR** | **Student’s first name** |
| **last\_name** | **VARCHAR** | **Student’s last name** |
| **resume** | **TEXT** | **Link to student’s resume (optional)** |

**3. Recruiters**

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| **recruiter\_id** | **INT (PK, FK)** | **Unique identifier for each recruiter (references Users)** |
| **company\_name** | **VARCHAR** | **Name of the recruiter's company** |

**4. Career Counselors & Sessions**

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| **counselor\_id** | **INT (PK, FK)** | **Unique identifier for each career counselor (references Users)** |
| **specialization** | **VARCHAR** | **Area of career counseling expertise** |
| **session\_id** | **INT (PK)** | **Unique identifier for each counseling session** |
| **student\_id** | **INT (FK)** | **Student attending the session** |
| **session\_date** | **DATETIME** | **Date and time of the session** |
| **notes** | **TEXT** | **Counselor’s notes from the session** |

**5. Jobs/Positions**

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| **position\_id** | **INT (PK)** | **Unique identifier for each job posting** |
| **recruiter\_id** | **INT (FK)** | **Recruiter who posted the job** |
| **title** | **VARCHAR** | **Job title** |
| **description** | **TEXT** | **Job description** |
| **requirements** | **TEXT** | **Job requirements** |
| **location** | **VARCHAR** | **Job location** |
| **application\_deadline** | **DATE** | **Deadline for applications** |

**6. Applications**

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| **application\_id** | **INT (PK)** | **Unique identifier for each application** |
| **student\_id** | **INT (FK)** | **Student who applied for the job** |
| **position\_id** | **INT (FK)** | **Job position applied for** |
| **application\_date** | **DATE** | **Date the application was submitted** |
| **status** | **ENUM('Submitted', 'Under Review', 'Interview', 'Offered', 'Rejected')** | **Application status** |

**7. Notifications**

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| **notification\_id** | **INT (PK)** | **Unique identifier for each notification** |
| **user\_id** | **INT (FK)** | **User receiving the notification** |
| **message** | **TEXT** | **Notification message** |
| **timestamp** | **DATETIME** | **Time the notification was sent** |
| **status** | **ENUM('Read', 'Unread')** | **Status of the notification** |

**8. Admin Moderation**

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| **admin\_id** | **INT (PK, FK)** | **Unique identifier for each admin (references Users)** |
| **action\_taken** | **TEXT** | **Details of the moderation action** |
| **timestamp** | **DATETIME** | **Time of moderation action** |

**9. Feedback**

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Description** |
| **feedback\_id** | **INT (PK)** | **Unique identifier for each feedback entry** |
| **application\_id** | **INT (FK)** | **Application receiving the feedback** |
| **counselor\_id** | **INT (FK)** | **Counselor providing the feedback** |
| **comments** | **TEXT** | **Feedback comments provided** |
| **rating** | **INT** | **Rating given (e.g., 1-5 scale)** |

**Relationships Summary:**

* **Users can be Students, Recruiters, Admins, or Career Counselors.**
* **Students apply to Jobs via the Applications table.**
* **Recruiters post Jobs.**
* **Users receive Notifications.**
* **Admins moderate Job postings.**
* **Career Counselors schedule Sessions with students and provide Feedback on applications.**