**Data Dictionary**

The following pages contain tables that provide data descriptions (e.g., data types and sizes) for the attributes of each table. Therefore, a database designer would have adequate information to create the database tables and fields. Any key constraints for the tables are denoted by either PK for primary key and FK for an optional foreign key.

**User**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Definition** | **Type** | **Size in bytes** |
| User ID | Users Identification Number | int | 5 |
| User Name | User's Identification Name | string | 8 |
| Report ID | Report's Identification Number | int | 5 |
| Donation ID | Donation's Identification Number | int | 5 |
| First Name | User's First Name | string | 15 |
| Last Name | User's Last Name | string | 15 |
| E-mail | User's Email Address | string | 40 |
| Phone Number | User's Phone Number | int | 10 |
| Date of Birth | User's date of birth | int | 8 |
| Nationality | What nationality the User claims | string | 3 |
| Race | What race the user claims | radio Btn | 7 |
| Gender | What gender the user claims | string | 1 |
| Sexual Oreintation | What sexual orientation the user claims | string | 5 |
| Hobbies | User's selected hobbies from a radio button list | string | 255 |
| Picture | User's Profile Picture | jpg |  |
| Account Status | User's account status (student, admin, alumni) | string | 6 |
| Account Password | User's Password used to access their account | string | 10 |
|  |  |  |  |
|  |  | Total: | 398 |

**Student**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Definition** | **Type** | **Size in Bytes** |
| Student ID | Student's identification number | int | 5 |
| User Name | Student's identification name | string | 8 |
| Password | Student's password used to access thier account | string | 10 |
| First Name | Student's first name | string | 15 |
| Last Name | Student's last name | string | 15 |
| Date of Birth | Student's date of birth | int | 8 |
| Gender | Student's gender | string | 1 |
| Classes Taken | The classes completed by the student | string | 10 |
| Current Classes | The classes the student is currently enrolled in | string | 10 |
| Year | Student class status (Freshmen, Sophomore, Junior, Senior) | int | 1 |
| Nationality | Student's nationality | string | 3 |
| Sexual Oreintation | Student's sexual oreintation | string | 5 |
| Hobbies | Student's hobbies | string | 255 |
|  |  |  |  |
|  |  | Total: | 346 |

**Administrator**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Definition** | **Type** | **Size** |
| Admin ID | Administrator's identirfication number | int | 5 |
| User Name | Administrator's identification name | string | 8 |
| Password | Administrator's password used to access thier account | string | 10 |
| First Name | Administrator's first name | string | 15 |
| Last Name | Administrator's last name | string | 15 |
| Date of Birth | Administrator's date of birth | int | 8 |
| Gender | Administrator's gender | string | 1 |
| Nationality | Administrator's nationality | string | 3 |
| Sexual Orientation | Administrator's sexual oreintation | string | 5 |
|  |  |  |  |
|  |  | Total: | 70 |

**Alumni**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Definition** | **Type** | **Size** |
| Alumni ID | Alumni's identification number | int | 5 |
| User Name | Alumni's identification name | string | 8 |
| Password | Alumni's password used to access their account | string | 10 |
| First Name | Alumni's first name | string | 15 |
| Last Name | Alumni's last name | string | 15 |
| Degree | Alumni's earned degree(s) | string | 20 |
| Date of Birth | Alumni's date of birth | int | 8 |
| Graduation Year | What year the Alum graduated | int | 4 |
| Work Experience | Alumni's work experience | string | 255 |
| Gender | Alumni's gender | string | 1 |
| Nationality | Alumni's nationality | string | 3 |
| Sexual Oreintation | Alumni's sexual oreintation | string | 5 |
|  |  |  |  |
|  |  | Total: | 349 |

**Login**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Definition** | **Type** | **Size** |
| User Name | User's login name | string | 8 |
| User Password | User's login password | string | 10 |
| Student ID | Student identification number | int | 5 |
| Admin ID | Admin identification number | int | 5 |
| Alumni ID | Alumni identification number | int | 5 |
|  |  |  |  |
|  |  | Total: | 33 |

**Job Listing**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Definition** | **Type** | **Size** |
| Job ID | Job identification number | int | 5 |
| Admin ID | Administrator identification number | int | 5 |
| Alumni ID | Alumni identification number | int | 5 |
| Job Title | Name of job position | string | 20 |
| Job Description | Description of job responsibilities | string | 255 |
| Company Name | Company's name | string | 50 |
| Company Email | Company's email address | string | 40 |
| Company Phone Number | Company's phone number | string | 10 |
| Pay | Salary of job | int | 6 |
| Contactee Department | The department of the person you need to contact for the job | string | 30 |
|  |  |  |  |
|  |  | Total: | 426 |

**Email**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Definition** | **Type** | **Size** |
| E-mail ID | Email identification number | int | 5 |
| Admin ID | Admin identification number | int | 5 |
| E-Mail recipients | Email addresses of the email's recipients | string | 255 |
| E-Mail Subject | The subject line of the email | string | 100 |
| E-Mail Body | The body text of the email | string | 255 |
| E-Mail Attachments | Any attachments that are included with the email | jpg |  |
|  |  |  |  |
|  |  | Total: | 620 |

**Backup**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Definition** | **Type** | **Size** |
| Backup ID | Identification number for the backup | int | 5 |
| Admin ID | Administrators identification number | int | 5 |
| Date of Backup | Date that the backup was created | date | 8 |
| Reason for Backup | Stated reason for creating the backup | string | 255 |
|  |  |  |  |
|  |  | Total: | 273 |

**Reports**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Definition** | **Type** | **Size** |
| Report ID | Report's identification number | int | 5 |
| Reporter (User ID) | Reporter's user ID | int | 5 |
| Perpetrator | Perpetrators Name (User ID if known) | string | 30 |
| Reporter Anonymity | Does the reporter want to be annonymous | bool | 1 |
| Report Description | The description of the report of the complaint | string | 255 |
|  |  |  |  |
|  |  | Total: | 296 |

**Donation**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Definition** | **Type** | **Size** |
| Donation ID | Identification number for the specific donation | int | 5 |
| User ID | Identification number for the user | int | 5 |
| Amount | Amount Donated | double | 10 |
| Date | Date of donation | date | 8 |
| Frequency of Donation | the frequency to which the donor wants to donate this amount | int | 2 |
| Donor Anonimity | If the donor wants thier name public | bool | 1 |
| Donor's Name | The name of the donor | string | 30 |
|  |  |  |  |
|  |  | Total: | 61 |