|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Database*** | edickie02 | ***Table Name*** | Candidates | ***(Composite)Key Field*** |  |

**Related to:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| ContactInfo | ContactID |  |  |
| Locations | LocationID |  |  |

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| **General table description:** |
| A table consisting of the candidates who are applying to jobs |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| ID | Y | Y | Y | Integer | 32 |  | N/A | The Candidate’s Unique ID | 1 |
| Name | N | Y | N | VARCHAR(255) | 255 |  | NULL | The Candidate’s name | Joe Mungo |
| ContactID | N | Y | N | Integer | 32 |  | NULL | A foreign key referencing Contact Info, ID | 1 |
| LocationID | N | Y | N | Integer | 32 |  | NULL | A foreign key to the location table, referencing Location, ID | 1 |
| UnderReview | Y | N | N | Boolean | 1 | TRUE or FALSE | FALSE | Flags whether a candidate needs to be reviewed (e.g. it has false data) | FALSE |
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| **Key:** | **R=Required** | | Y | (Yes – NOT NULL) | | N | (No) | |
|  | **I=Indexed** | | Y | (Yes – indexed) | | N | (Not indexed) | |
|  | **U=Unique** | | Y | Yes (Unique) | | N | (Not unique) | |
| ***Database*** | | edickie02 | | | ***Table Name*** | | | CandidateSkills | | ***(Composite)Key Field*** |  |

**Related to:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| Candidates | CandidateID |  |  |
| Skills | SkillID |  |  |

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| **General table description:** |
| A table solving the potential many-to-many relationship in the candidate and skills tables. |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| CandidateID | Y | Y | Y | Integer | 32 |  | N/A | A foreign key referencing Candidate, ID | 1 |
| SkillID | N | Y | N | Integer | 32 |  | NULL | A foreign key referencing Skills, ID | 1 |
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| --- | --- | --- | --- | --- | --- |
| **Key:** | **R=Required** | Y | (Yes – NOT NULL) | N | (No) |
|  | **I=Indexed** | Y | (Yes – indexed) | N | (Not indexed) |
|  | **U=Unique** | Y | Yes (Unique) | N | (Not unique) |

|  |  |  |  |  |  |
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| ***Database*** | edickie02 | ***Table Name*** | ContactInfo | ***(Composite)Key Field*** |  |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** |
| A table storing contact information for candidates and employers. |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| ID | Y | Y | Y | Integer | 32 |  | N/A | The ID of the Contact Information | 1 |
| Email Address | N | Y | N | VARCHAR(255) | 255 |  | NULL | The email address of the contact | gregsmeggles@GurMail.com |
| Phone Number | N | N | N | VARCHAR(255) | 255 |  | NULL | The phone number of the contact | +445674224811 |
|  |  |  |  |  |  |  |  |  |  |
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| --- | --- | --- | --- | --- | --- |
| **Key:** | **R=Required** | Y | (Yes – NOT NULL) | N | (No) |
|  | **I=Indexed** | Y | (Yes – indexed) | N | (Not indexed) |
|  | **U=Unique** | Y | Yes (Unique) | N | (Not unique) |

|  |  |  |  |  |  |
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| ***Database*** | edickie02 | ***Table Name*** | Employers | ***(Composite)Key Field*** |  |

**Related to:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| Locations | LocationID |  |  |
| ContactID | ContactID |  |  |

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| **General table description:** |
| A table storing the employers that will be hiring the candidates |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| ID | Y | Y | Y | Integer | 32 |  | N/A | The ID of employers | 1 |
| Name | N | Y | N | VARCHAR(255) | 255 |  | NULL | The name of the company/employer | Amazon Corporation |
| Industry | N | Y | N | VARCHAR(255) | 255 |  | NULL | The industry of the employer | Manufacturing |
| Website | N | N | N | Text | 65,535 |  | NULL | The website of the employer | www.amazon.co.uk |
| EmployerDescription | N | N | N | Text | 65,535 |  | NULL | A description of the employer | Amazon is a product delivery service |
| LocationID | N | Y | N | Integer | 32 |  | NULL | A foreign key linking referencing Locations, ID | 1 |
| ContactID | N | N | N | Integer | 32 |  | NULL | A foreign key referencing ContactInfo,ID | 1 |

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| --- | --- | --- | --- | --- | --- |
| **Key:** | **R=Required** | Y | (Yes – NOT NULL) | N | (No) |
|  | **I=Indexed** | Y | (Yes – indexed) | N | (Not indexed) |
|  | **U=Unique** | Y | Yes (Unique) | N | (Not unique) |

|  |  |  |  |  |  |
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| ***Database*** | edickie02 | ***Table Name*** | Interviews | ***(Composite)Key Field*** |  |

**Related to:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| Candidates | CandidateID | Status | StatusID |
| Jobs | JobID |  |  |

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| **General table description:** |
| A table storing information about interviews of candidates for jobs |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| ID | Y | Y | Y | Integer | 32 |  | N/A | The ID of the interview | 1 |
| Interview Date | N | Y | N | DATE | 3 |  | NULL | The date of the interview | 1988-05-03 |
| CandidateID | N | Y | N | Integer | 32 |  | NULL | Foreign key referencing Candidates, ID | 1 |
| JobID | N | Y | N | Integer | 32 |  | NULL | Foreign key, referencing Jobs,ID | 1 |
| StatusID | N | Y | N | Integer | 32 |  | NULL | Foreign key referencing Status, StatusID | 1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Key:** | **R=Required** | Y | (Yes – NOT NULL) | N | (No) |
|  | **I=Indexed** | Y | (Yes – indexed) | N | (Not indexed) |
|  | **U=Unique** | Y | Yes (Unique) | N | (Not unique) |

|  |  |  |  |  |  |
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| ***Database*** | edickie02 | ***Table Name*** | Job Applications | ***(Composite)Key Field*** |  |

**Related to:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| Candidates | CandidateID | Status | StatusID |
| Jobs | JobID |  |  |

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| **General table description:** |
| A table storing information of candidates applying to jobs |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| ID | Y | Y | Y | Integer | 32 |  | N/A | The ID of the Job Application | 1 |
| Application Date | N | Y | N | DATE | 3 |  | NULL | The date of the job application | 1988-05-03 |
| CandidateID | Y | Y | N | Integer | 32 |  | NULL | A foreign key referencing Candidates, ID | 1 |
| JobID | N | N | N | Integer | 32 |  | NULL | A foreign key referencing Jobs, ID | 1 |
| StatusID | N | N | N | Integer | 32 |  | NULL | A foreignkey referencing Status, StatusID | 1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Key:** | **R=Required** | Y | (Yes – NOT NULL) | N | (No) |
|  | **I=Indexed** | Y | (Yes – indexed) | N | (Not indexed) |
|  | **U=Unique** | Y | Yes (Unique) | N | (Not unique) |

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| ***Database*** | edickie02 | ***Table Name*** | Jobs | ***(Composite)Key Field*** |  |

**Related to:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
| Employers | EmployerID |  |  |
| Locations | LocationID |  |  |

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| **General table description:** |
| A table storing information about jobs |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| ID | Y | Y | Y | Integer | 32 |  | N/A | The ID of the job | 1 |
| Name | N | Y | N | VARCHAR(255) | 255 |  | NULL | The name of the job | Retail Assistant |
| Salary | N | Y | N | VARCHAR(255) | 255 |  | NULL | The salary of the job | £15 per hour |
| Description | N | N | N | mediumtext | 16,777,215 |  | NULL | A description of the job | Performing customer relations in company retail stores |
| Category | N | Y | N | VARCHAR(255) | 255 |  | NULL | The category of the job | Customer Service |
| LocationID | N | N | N | Integer | 32 |  | NULL | A foreign key linking to the ID field of the locations table | 1 |
| EmployerID | N | N | N | Integer | 32 |  | NULL | A foreign key linking to the ID field of the employers table | 1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Key:** | **R=Required** | Y | (Yes – NOT NULL) | N | (No) |
|  | **I=Indexed** | Y | (Yes – indexed) | N | (Not indexed) |
|  | **U=Unique** | Y | Yes (Unique) | N | (Not unique) |

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| ***Database*** | edickie02 | ***Table Name*** | Locations | ***(Composite)Key Field*** |  |

**Related to:**

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| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** |
| A table storing information about the locations of employers and candidates |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| ID | Y | Y | Y | Integer | 32 |  | N/A | The ID of the location | 1 |
| Region | N | Y | N | VARCHAR(255) | 255 |  | NULL | The region of the location | County Antrim |
| TownCity | N | Y | N | VARCHAR(255) | 255 |  | NULL | The Town/City of the location | Belfast |
| Address | N | N | N | VARCHAR(255) | 255 |  | NULL | The address of the location | 6 Kilpatrick Street |
| PostCode | N | Y | N | VARCHAR(255) | 255 |  | NULL | The postcode of the location | B6 2CG |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Key:** | **R=Required** | Y | (Yes – NOT NULL) | N | (No) |
|  | **I=Indexed** | Y | (Yes – indexed) | N | (Not indexed) |
|  | **U=Unique** | Y | Yes (Unique) | N | (Not unique) |

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| ***Database*** | edickie02 | ***Table Name*** | Skills | ***(Composite)Key Field*** |  |

**Related to:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** |
| A table storing information about certain skills |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| ID | Y | Y | Y | Integer | 32 |  | N/A | The ID of the skill | 1 |
| SkillName | N | Y | N | VARCHAR(255) | 255 |  | NULL | The name of the skill | Microsoft word proficiency |
| Skill Description | N | N | N | mediumtext | 16,777,215 |  | NULL | The description of the skill | Proficiency in using the functions and services of Microsoft software |
| Skill Field | N | Y | N | VARCHAR(255) | 255 |  | NULL | The field of the skill | Software Proficiency |

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| **Key:** | **R=Required** | Y | (Yes – NOT NULL) | N | (No) |
|  | **I=Indexed** | Y | (Yes – indexed) | N | (Not indexed) |
|  | **U=Unique** | Y | Yes (Unique) | N | (Not unique) |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Database*** | edickie02 | ***Table Name*** | Status | ***(Composite)Key Field*** |  |

**Related to:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Table Name*** | ***Foreign Key*** | ***Table Name*** | ***Foreign Key*** |
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| **General table description:** |
| A table storing the status for the table |

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| ***Field Name*** | ***R*** | ***I*** | ***U*** | ***Data Type*** | ***Length*** | ***Format Rule(s)*** | ***Default Value*** | ***Description*** | ***Typical Data*** |
| StatusID | Y | Y | Y | Integer | 32 |  | N/A | The ID of the status | 1 |
| StatusEnum | N | Y | N | Enum | 1 | Must be PENDING, REJECTED or ACCEPTED | NULL | The enumeration of the status | PENDING |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Key:** | **R=Required** | Y | (Yes – NOT NULL) | N | (No) |
|  | **I=Indexed** | Y | (Yes – indexed) | N | (Not indexed) |
|  | **U=Unique** | Y | Yes (Unique) | N | (Not unique) |