**Human Resources Database Design**

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**Version:**

**1. Introduction**

The purpose of this document is to provide a description of our database created for MSDS .

**2. Architecture Design**

**3. Database Design**

Only one schema is contained within this database – *mydb*.

**Tables schemas**

*Candidate: this table contains information regarding potential candidates for open job positions.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attributes | Description | Type | Examples of Values | Foreign Key? |
| CandidateID | Unique ID of a particular candidate | VARCHAR(10) | 123456789 |  |
| Last\_Name | Last name of the candidate | CHAR(40) | Sterling |  |
| Middle\_Name | Middle name of the candidate, if exists | CHAR(40) | Huger |  |
| First\_Name | First name of the candidate | CHAR(40) | Elizabeth |  |
| Email\_ID | Preferred e-mail address of the candidate | VARCHAR(45) | [lsterling@smu.edu](mailto:lsterling@smu.edu) |  |
| Phone | Preferred phone number of the candidate | CHAR(15) | 555-555-5555 |  |
| Gender | Preferred gender of candidate | CHAR(1) | F |  |
| Ethnicity | Ethnicity of the candidate | CHAR(10) | Caucasian |  |
| Expected\_Salary | Anticipated salary of the candidate | DECIMAL() | $70,000 |  |
| Prior\_Employer | Previous employer of the candidate | VARCHAR(40) | SMU |  |
| Address\_Line | Current address of the candidate | VARCHAR(45) | 123 apple lane |  |
| City | Current city of the candidate | CHAR (20) | Dallas |  |
| State | Current state of the candidate | CHAR (20) | Texas |  |
| Country | Current country of residence of the candidate | CHAR(20) | USA |  |
| LinkedIn\_Profile | Link to candidates linkedin, if exists | VARCHAR(40) | /www.linkedin.com/feed/ |  |
| Source | Where did the candidate find this position? | CHAR(25) | LinkedIn |  |

*Application:*

*Employee:*

*PWE:*

*Requisition:*

**Tables Example Data:**

**SQL Queries:**

**Transactions implementation:**

**4. Graphical User Interface**

**5. Class Diagram and Classes**

**6. Design Process**

**7. References**

**8. Appendix**