**DATABASE SPECIFICATION**

There is need to provide an efficient data storage procedure for holding and securing critical information. This data storage module is known as the data base. A database is an index computer data storage and retrieval. The database management system (DBMS) creates and packages the database. There are numerous DBMS technology available today such as; ORACLE, MS ACCESS, SQL SEVER, and so no. for this project, the DBMS used is the SQL SEVER. SQL SEVER is the database editor of the popular MS SQL SERVER MANAGEMENT STUDIO, SQL SEVER stores data or information in tables which are structured into fields. The SQL SEVER database file for the project is FingerPrint.bak.

The SQL SEVER database file for the project is [FingerPrint].bak. It holds information on below:

**The database contains nine (9) tables**

1. **[dbo.Admin]: -** This table holds the information for register as admin

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **DATA SIZE** |
| [AdminID] | NVARCHAR | 50 |
| [AdminName] | NVARCHAR | 50 |
| [Password] | NVARCHAR | 50 |

1. **[dbo.Candidates]: -** This table holds the information for the candidates

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **DATA SIZE** |
| [CID] | NVARCHAR | 50 |
| [Name] | NVARCHAR | 50 |
| [CPic] | IMAGE |  |
| [Logo] | IMAGE |  |
| [Votes] | INT | 14 |

1. **[dbo.Fingerprint]: -** This table holds the information for the fingerprint of all the voters

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **DATA SIZE** |
| [ID] | NVARCHAR | 10 |
| [fingerprint] | NVARCHAR | MAX |

1. **[dbo.Voters]: -** This table holds the information for all the voters

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **DATA SIZE** |
| [ID] | NVARCHAR | 50 |
| [fName] | NVARCHAR | 50 |
| [parentName] | NVARCHAR | 50 |
| [city] | NVARCHAR | 50 |
| [state] | NVARCHAR | 50 |
| [status] | NVARCHAR | 50 |
| [gender] | NVARCHAR | 50 |
| [birthday] | DATE |  |