JOB APPLICATION

Job application database system is a system that helps the company to interview and assess job applicants from different places in the world. It also helps job applicants to apply for the jobs in the company from any location. It’s efficient because it saves on time and resources needed for physical job application and employment.

STRUCTURE OF THE DATABASE

Company

Job Id

Employee

ID

Job ID

Job Category

Job ID

Job information

Job Id

Application details

ID

Applicant

Job Id

ID

WORKING CONDIONS/ ACHIVEMENT PROJECTION

An applicant can only send one application form at a time.

The company will go through the application within 24 hours and send back the results to applicant two hours after completion process. The database will be under operation for 24 hours. The database will not allow plagiarism of any kind. The applicant should only communicate with the company through the database at any time.

TARGET USER ENTITIES

.User Account

.Job category

.Job Location

.Job Information

.Applicant Information

.Applicant Details

ER DIAGRAM

TEL

\_NO

ID\_NO

NAME

NAME

JOB DIS

start

AGE

ID NAM

E

Employee

LOCATION

Applicant

Company

Login

Manage job

Apply job

Registrati on

Verific ation

Manage

Search job

Search

Manage

Post job

Account

Manage

Apply job

Manage

message

Logout

Change password

end

NORMALISATION

Considering various conditions three entities for the project.

.Employee

.Company

.Applicant

.Job

Entities have many attributer but they have been put into the third Normal form.

# The tables are in such a way that transitive dependency and also have no partial dependency does not exist.

The table cell can only accept one value.

**Transitive dependency** is where a non-key attribute determines another attribute foreign key

**Partial dependency** is where the primary key determines other attributes

# STRUCTURE AND SQL CODE OF THE TABLE.

1. Applicant Table

|  |  |  |  |
| --- | --- | --- | --- |
| NAME | TEL NO | ID\_NO | AGE |
|  |  |  |  |
|  |  |  |  |

SQL CODE

CREATE TABLE APPLICANT( TELL NO INT NULL,

NAME VARCHAR(20) NOT NULL,

ID\_NO VARCHAR(10) NOT NULL PRIMARY KEY, AGE INT NOT NULL);

1. EMPLOYEE

|  |  |  |
| --- | --- | --- |
| NAME | JOB\_DESCRIPTION | LOCATION |
|  |  |  |

SQL CODE

CREATE TABLE EMPLOYEE ( NAME VARCHAR(15) NOT NULL,

JOB\_DESCRIPTION VARCHAR(20) NOT NULL, LOCATION INT NOT NULL);

1. COMPANY

|  |  |  |
| --- | --- | --- |
| NAME | ID |  |
|  |  |  |
|  |  |  |

SQL CODE

CREATE TABLE COMPANY ( NAME VARCHAR(30) NOT NULL, ID INTNOT NULL);

SELECT PART

SELECT \* FROM APPLICANT SELECT \* FROM EMPLOYEE SELECT \* FROM COMPANY

UPDATING THE DATABASE

UPDATE APPLICANT TEL\_NO= “” WHERE NAME =

JOINS

SELECT \* FROM APPLICANT INNERJOIN COMPANY. NAME=ID\_NO;

LIKE

WHERE EMPLOYEE LOCATION LIKE’%LA’