CREATE TABLE USER\_ID

(USER\_ID VARCHAR(16) PRIMARY KEY

);

CREATE TABLE GENDER

(GENDER CHAR PRIMARY KEY

);

INSERT INTO GENDER VALUES('M');

INSERT INTO GENDER VALUES('F');

CREATE TABLE USER\_ROLE

(USER\_ROLE VARCHAR(255) PRIMARY KEY

);

INSERT INTO USER\_ROLE VALUES('Maintenance Person');

INSERT INTO USER\_ROLE VALUES('Chief Engineer');

INSERT INTO USER\_ROLE VALUES('Logistics Maintenance Lead');

INSERT INTO USER\_ROLE VALUES('Personnel Administrator');

INSERT INTO USER\_ROLE VALUES('System Administrator');

CREATE TABLE SKILL

(SKILL VARCHAR(255) PRIMARY KEY

);

INSERT INTO SKILL (SKILL) VALUES ('HVAC');

INSERT INTO SKILL (SKILL) VALUES ('Chilled Water');

INSERT INTO SKILL (SKILL) VALUES ('Propulsion');

INSERT INTO SKILL (SKILL) VALUES ('Electric Generation');

INSERT INTO SKILL (SKILL) VALUES ('Electrician');

INSERT INTO SKILL (SKILL) VALUES ('IT Technician');

CREATE TABLE ACCESS\_INFO

(USER\_ID VARCHAR(16) PRIMARY KEY,

FOREIGN KEY (USER\_ID) REFERENCES USER\_ID(USER\_ID),

USERNAME VARCHAR(255) NOT NULL UNIQUE,

PASSWORD VARCHAR(16) NOT NULL DEFAULT 'PASSWORD'

);

CREATE TABLE PERSONAL\_INFO

(USER\_ID VARCHAR(16) PRIMARY KEY,

FOREIGN KEY (USER\_ID) REFERENCES USER\_ID(USER\_ID),

LAST\_NAME VARCHAR(255) NOT NULL DEFAULT 'LAST',

FIRST\_NAME VARCHAR(255) NOT NULL DEFAULT 'FIRST',

MIDDLE\_NAME VARCHAR(255),

SSN VARCHAR(11) NOT NULL DEFAULT '123-45-6789',

BIRTH\_DATE DATE NOT NULL DEFAULT '2014/01/01',

GENDER CHAR NOT NULL DEFAULT 'M',

FOREIGN KEY (GENDER) REFERENCES GENDER(GENDER),

SERVICE\_DATE DATE

);

CREATE TABLE ADDRESS\_PHONE

(USER\_ID VARCHAR(16) PRIMARY KEY,

FOREIGN KEY (USER\_ID) REFERENCES USER\_ID(USER\_ID),

STREET VARCHAR(255) NOT NULL DEFAULT 'STREET',

CITY VARCHAR(255) NOT NULL DEFAULT 'CITY',

STATES VARCHAR(2) NOT NULL DEFAULT 'NJ',

POSTAL\_CODE VARCHAR(5) NOT NULL DEFAULT '08330',

MOBILE\_PHONE VARCHAR(16) NOT NULL DEFAULT '+1(234)567-8910',

OFFICE\_PHONE VARCHAR (16)NOT NULL DEFAULT '+1(234)567-8910',

HOME\_PHONE VARCHAR(16)

);

CREATE TABLE EMERGENCY\_CONTACT

(USER\_ID VARCHAR(16) PRIMARY KEY,

FOREIGN KEY (USER\_ID) REFERENCES USER\_ID(USER\_ID),

E\_NAME VARCHAR(255),

RELATIONSHIP VARCHAR(16),

PHONE VARCHAR(16),

STREET VARCHAR(255),

CITY VARCHAR(255),

STATES VARCHAR(2),

POSTAL\_CODE VARCHAR(5)

);

CREATE TABLE SKILLS\_TRAINING

(USER\_ID VARCHAR(16) PRIMARY KEY,

FOREIGN KEY (USER\_ID) REFERENCES USER\_ID(USER\_ID),

USER\_ROLE VARCHAR(255) NOT NULL DEFAULT 'System Administrator',

FOREIGN KEY (USER\_ROLE) REFERENCES USER\_ROLE(USER\_ROLE),

SKILL VARCHAR(255),

FOREIGN KEY (SKILL) REFERENCES SKILL(SKILL),

NUMBER\_YEARS\_EXPERIENCE INTEGER,

TRAINING\_CERTIFICATE\_NAME VARCHAR(255),

CERTIFICATE\_DATE DATE

);

CREATE INDEX NAMEIndex ON PERSONAL\_INFO (LAST\_NAME, FIRST\_NAME);

CREATE INDEX GENDERIndex ON PERSONAL\_INFO (GENDER);

CREATE INDEX ROLEIndex ON SKILLS\_TRAINING (USER\_ROLE);

INSERT INTO USER\_ID VALUES('1');

INSERT INTO ACCESS\_INFO VALUES('1','Jun', 'PASSWORD');

INSERT INTO ADDRESS\_PHONE VALUES('1', '1','1','1','1','1','1','1');

INSERT INTO EMERGENCY\_CONTACT VALUES('1', '1','1','1','1','1','1','1');

INSERT INTO PERSONAL\_INFO VALUES('1', '1','1','1','1','2014/01/01','M','2014/01/01');

INSERT INTO SKILLS\_TRAINING VALUES('1', 'System Administrator','HVAC',1,'1','2014/01/01');

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CREATE TABLE GENDER

(GENDER CHAR PRIMARY KEY

);

INSERT INTO GENDER VALUES('M');

INSERT INTO GENDER VALUES('F');

CREATE TABLE USER\_ROLE

(USER\_ROLE VARCHAR(255) PRIMARY KEY

);

INSERT INTO USER\_ROLE VALUES('Maintenance Person');

INSERT INTO USER\_ROLE VALUES('Chief Engineer');

INSERT INTO USER\_ROLE VALUES('Logistics Maintenance Lead');

INSERT INTO USER\_ROLE VALUES('Personnel Administrator');

INSERT INTO USER\_ROLE VALUES('System Administrator');

CREATE TABLE SKILL

(SKILL VARCHAR(255) PRIMARY KEY

);

INSERT INTO SKILL (SKILL) VALUES ('HVAC');

INSERT INTO SKILL (SKILL) VALUES ('Chilled Water');

INSERT INTO SKILL (SKILL) VALUES ('Propulsion');

INSERT INTO SKILL (SKILL) VALUES ('Electric Generation');

INSERT INTO SKILL (SKILL) VALUES ('Electrician');

INSERT INTO SKILL (SKILL) VALUES ('IT Technician');

CREATE TABLE PERSONNEL

(USER\_ID VARCHAR(16) PRIMARY KEY,

USERNAME VARCHAR(255) NOT NULL UNIQUE,

PASSWORD VARCHAR(16) NOT NULL DEFAULT 'PASSWORD',

ADMINS SMALLINT DEFAULT 0,

LAST\_NAME VARCHAR(255) NOT NULL DEFAULT 'LAST',

FIRST\_NAME VARCHAR(255) NOT NULL DEFAULT 'FIRST',

MIDDLE\_NAME VARCHAR(255),

SSN VARCHAR(11) NOT NULL DEFAULT 'N/A',

BIRTH\_DATE DATE NOT NULL DEFAULT '2014/01/01',

GENDER CHAR NOT NULL DEFAULT 'M',

FOREIGN KEY (GENDER) REFERENCES GENDER(GENDER),

SERVICE\_DATE DATE,

STREET VARCHAR(255) NOT NULL DEFAULT 'N/A',

CITY VARCHAR(255) NOT NULL DEFAULT 'N/A',

STATES VARCHAR(2) NOT NULL DEFAULT 'NJ',

POSTAL\_CODE VARCHAR(5) NOT NULL DEFAULT 'N/A',

MOBILE\_PHONE VARCHAR(16) NOT NULL DEFAULT 'N/A',

OFFICE\_PHONE VARCHAR (16)NOT NULL DEFAULT 'N/A',

HOME\_PHONE VARCHAR(16),

E\_NAME VARCHAR(255),

RELATIONSHIP VARCHAR(16),

E\_PHONE VARCHAR(16),

E\_STREET VARCHAR(255),

E\_CITY VARCHAR(255),

E\_STATES VARCHAR(2),

E\_POSTAL\_CODE VARCHAR(5),

USER\_ROLE VARCHAR(255) NOT NULL DEFAULT 'System Administrator',

FOREIGN KEY (USER\_ROLE) REFERENCES USER\_ROLE(USER\_ROLE),

SKILL VARCHAR(255),

FOREIGN KEY (SKILL) REFERENCES SKILL(SKILL),

NUMBER\_YEARS\_EXPERIENCE INTEGER,

TRAINING\_CERTIFICATE\_NAME VARCHAR(255),

CERTIFICATE\_DATE DATE

);

CREATE INDEX NAMEIndex ON PERSONNEL (LAST\_NAME, FIRST\_NAME);

INSERT INTO PERSONNEL VALUES('1','Jun', 'PASSWORD', 1,

'He','Jun','Xin','123456789','1990/01/01','M','2014/01/01',

'Main st.', 'Mays Landing','NJ','08330','(123)456-789','(123)456-789','(123)456-789',

'Help', 'Friend','911','Main st.','Mays Landing','NJ','08330',

'System Administrator','HVAC',1,'1','2014/01/01');

INSERT INTO PERSONNEL VALUES('2','Christ', 'PASSWORD', 1,

'default','default','default','123456789','1990/01/01','M','2014/01/01',

'Main st.', 'Mays Landing','NJ','08330','(123)456-789','(123)456-789','(123)456-789',

'Help', 'Friend','911','Main st.','Mays Landing','NJ','08330',

'System Administrator','HVAC',1,'1','2014/01/01');

INSERT INTO PERSONNEL VALUES('3','Ryan', 'PASSWORD', 1,

'default','default','default','123456789','1990/01/01','M','2014/01/01',

'Main st.', 'Mays Landing','NJ','08330','(123)456-789','(123)456-789','(123)456-789',

'Help', 'Friend','911','Main st.','Mays Landing','NJ','08330',

'System Administrator','HVAC',1,'1','2014/01/01');

INSERT INTO PERSONNEL VALUES('4','Pat', 'PASSWORD', 1,

'default','default','default','123456789','1990/01/01','M','2014/01/01',

'Main st.', 'Mays Landing','NJ','08330','(123)456-789','(123)456-789','(123)456-789',

'Help', 'Friend','911','Main st.','Mays Landing','NJ','08330',

'System Administrator','HVAC',1,'1','2014/01/01');

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// MOST RECENT

CREATE TABLE LOGIN

(USER\_ID VARCHAR(16) PRIMARY KEY,

USERNAME VARCHAR(255) NOT NULL UNIQUE,

PASSWORD VARCHAR(16) NOT NULL DEFAULT 'PASSWORD'

);

CREATE TABLE SKILLS

(SKILLS\_ID VARCHAR(16) PRIMARY KEY,

DESCRIPTION VARCHAR(255)

);

CREATE TABLE SKILLSFORUSERS

(USER\_ID VARCHAR(16),

FOREIGN KEY (USER\_ID) REFERENCES LOGIN(USER\_ID),

SKILLS\_ID VARCHAR(16),

FOREIGN KEY (SKILLS\_ID) REFERENCES SKILLS(SKILLS\_ID)

);

INSERT INTO LOGIN VALUES('1','JUN','PASSWORD');

INSERT INTO LOGIN VALUES('2','PAT','PASSWORD');

INSERT INTO LOGIN VALUES('3','RYAN','PASSWORD');

INSERT INTO LOGIN VALUES('4','CHRIST','PASSWORD');

INSERT INTO SKILLS VALUES('1','HVAC');

INSERT INTO SKILLS VALUES('2','Chilled Water');

INSERT INTO SKILLS VALUES('3','Propulsion');

INSERT INTO SKILLS VALUES('4','Electric Generation');

INSERT INTO SKILLS VALUES('5','Electrician');

INSERT INTO SKILLS VALUES('6','IT Technician');

INSERT INTO SKILLSFORUSERS VALUES('1','1');

INSERT INTO SKILLSFORUSERS VALUES('1', '3');

INSERT INTO SKILLSFORUSERS VALUES('1', '5');

INSERT INTO SKILLSFORUSERS VALUES('1', '2');

INSERT INTO SKILLSFORUSERS VALUES('2', '3');

INSERT INTO SKILLSFORUSERS VALUES('2', '4');

INSERT INTO SKILLSFORUSERS VALUES('3', '1');

INSERT INTO SKILLSFORUSERS VALUES('3', '5');

INSERT INTO SKILLSFORUSERS VALUES('4', '1');

INSERT INTO SKILLSFORUSERS VALUES('4', '3');

INSERT INTO SKILLSFORUSERS VALUES('4', '6');