CREATE TABLE restaurant (

restaurant\_id SERIAL PRIMARY KEY,

name VARCHAR(100) NOT NULL

);

CREATE TABLE section (

section\_id SERIAL PRIMARY KEY,

section\_name VARCHAR(100) NOT NULL,

restaurant\_id INT REFERENCES restaurant(restaurant\_id) ON DELETE CASCADE

);

CREATE TABLE menu\_items (

menu\_item\_id VARCHAR(50) PRIMARY KEY, -- Composite ID generated by trigger

menu\_name VARCHAR(100) NOT NULL,

description TEXT,

price NUMERIC(10, 2) NOT NULL,

section\_id INT REFERENCES section(section\_id) ON DELETE CASCADE

);

CREATE TABLE job\_titles (

position\_id SERIAL PRIMARY KEY,

position\_name VARCHAR(100) NOT NULL

);

CREATE TABLE staff (

staff\_id SERIAL PRIMARY KEY, -- Auto-generated primary key

unique\_id VARCHAR(50) UNIQUE, -- Custom ID generated by trigger

first\_name VARCHAR(50) NOT NULL,

last\_name VARCHAR(50) NOT NULL,

position\_id INT REFERENCES job\_titles(position\_id) ON DELETE CASCADE,

hours\_perweek NUMERIC(5, 2) NOT NULL,

start\_time TIME NOT NULL,

end\_time TIME NOT NULL,

salary\_perhour NUMERIC(10, 2) NOT NULL,

section\_id INT REFERENCES section(section\_id) ON DELETE CASCADE,

restaurant\_id INT REFERENCES restaurant(restaurant\_id) ON DELETE CASCADE,

joining\_date DATE NOT NULL,

termination\_date DATE

);

CREATE TABLE timesheet (

timesheet\_id SERIAL PRIMARY KEY,

date DATE NOT NULL,

hours\_assigned NUMERIC(5, 2) NOT NULL,

hours\_worked NUMERIC(5, 2) NOT NULL,

status VARCHAR(50) NOT NULL,

staff\_id INT REFERENCES staff(staff\_id) ON DELETE CASCADE

);

CREATE TABLE customer\_orders (

order\_id SERIAL PRIMARY KEY,

order\_date TIMESTAMP NOT NULL,

customer\_name VARCHAR(100) NOT NULL,

section\_id INT REFERENCES section(section\_id) ON DELETE CASCADE,

total\_amount NUMERIC(10, 2) NOT NULL,

status VARCHAR(50) NOT NULL,

payment\_method VARCHAR(50) NOT NULL,

restaurant\_id INT REFERENCES restaurant(restaurant\_id) ON DELETE CASCADE

);

CREATE TABLE order\_items (

order\_item\_id SERIAL PRIMARY KEY,

order\_id INT REFERENCES customer\_orders(order\_id) ON DELETE CASCADE,

menu\_item\_id INT REFERENCES menu\_items(menu\_item\_id) ON DELETE CASCADE,

quantity INT NOT NULL,

section\_id INT REFERENCES section(section\_id) ON DELETE CASCADE

);

CREATE TABLE customer\_feedback (

feedback\_id SERIAL PRIMARY KEY,

customer\_name VARCHAR(100) NOT NULL,

feedback\_date DATE NOT NULL,

rating INT CHECK (rating BETWEEN 1 AND 5),

comments TEXT,

restaurant\_id INT REFERENCES restaurant(restaurant\_id) ON DELETE CASCADE

);