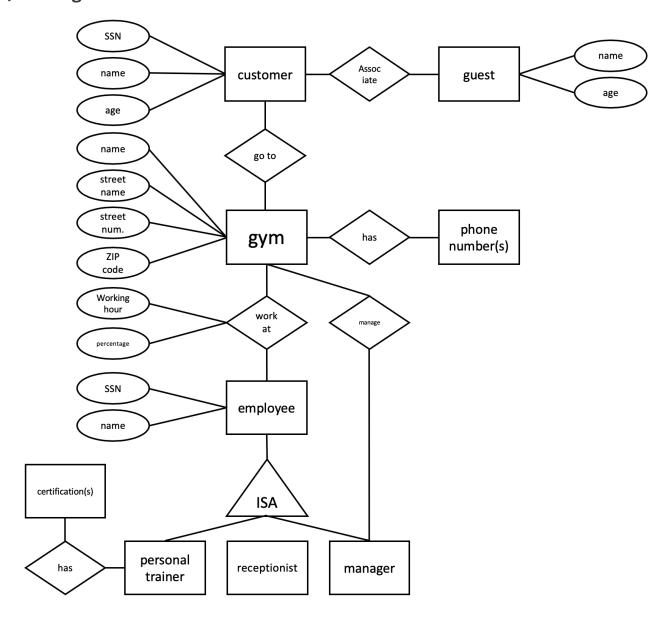
Web Application Assignment 1

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Question 1

1) ER-Diagram



2) SQL codes that creates database

```
CREATE TABLE gym (
    gym_id BIGINT NOT NULL AUTO_INCREMENT,
   name CHAR(30) NOT NULL,
    street_name CHAR(30),
    street_num CHAR(10),
   zip_code CHAR(5),
   manager CHAR(11) NOT NULL,
    FOREIGN KEY (manager) REFERENCES employee (SSN),
   PRIMARY KEY (gym_id)
)
CREATE TABLE employee (
    emp id BIGINT NOT NULL AUTO INCREMENT,
   ssn CHAR(11) NOT NULL,
   name CHAR(30),
    specialization CHAR(20),
   PRIMARY KEY (emp id)
)
CREATE TABLE customer (
    ssn CHAR(11) NOT NULL PRIMARY KEY,
    gym CHAR(20)
)
```