**System Architecture**

Gym Requirements

Database

**Function 2**

Payment

Input payment into customer details

Prepare membership confirmation

Confirmation of membership

Customer

Customer details

Customer

Database

Customer

Invoice

Prepare Invoice

Quote

Discounts

Apply any appropriate discounts to quote

Quote File

Approval

Determine any appropriate discounts

Discount File

Database

Approval

Approval

Database

Customer

Compare customer data with gym requirements

Customer data

Application with user information

Existing user information

Input customer data

Customer

**Suzanne Fagan, x12395906**

**Function 1**

Confirmation

Customer

Class List

Membership list

Class list

members details

Database

Add members details to class list

Add member

Check if there is room in the class

Confirmed member

Check if customer is a member

Class request

Customer

**Corrina Wynne, x12342071**