1. Login, logout class(admin-edit & review & add & remove, regular employee -review)

a. Login, log out [1]

b. Id, password—---variables

c. Review report of member and inventory

d. Add / delete member [10]

e. Change member status (upgrade/ downgrade) [11][12]

f. Save changes [13]

2. Member class(preferred, basic)

a. Customer id, customer name, purchase history, expired date, issue date—--- variables

b. Customer rebate [7]

c. Expired customer report [9]

d. Renewal payment

e. In /out read data [14]

3. Inventory class

a. In/out file read data [14]

b. Item name, item count, item price, sold number—---- variables

4. Report class

a. Read customer purchases history [4]

b. Search customer by id [3]

c. Read inventory item, yearly sales report [2]

d. Read inventory single item, current stock [5]

e. Read inventory of all items [6]

5. GUI class

a. GUI user interface [15]