System Class and the main() function

How to create a system class?

A sample design of the system class is given below:

```
system

startMenu : Menu
adminManager : AdminCoordinator
clientManager : ClientCoordinator
accountManager : AcctCoordinator
getOption()
init()
login() : Role
run(role : Role)
shutdown()
```

• How to implement the main() function()?

```
int main() {
   system sys; //this is a system object
   int option;
   Role role; //you must define this data structure first
    bool quit = false;
   system.init(); //all the menus are created; all the data sets are loaded from files
   while (!quit) {
           option = system.getOption(); //displayMenu is implemented inside this function
           if (option == 1) { //login is chosen
                   role = sys.login();
                   sys.run(role);
           }
           Else quit = true;
   sys.shutdown(); //save all the data sets to the files
   return 0;
}
```