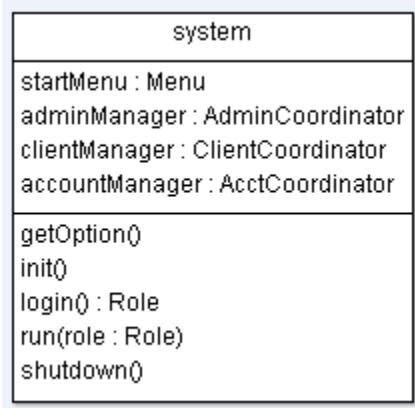


System Class and the main() function

- How to create a system class?

A sample design of the system class is given below:



- 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;
}
```