

به نام خدا



دانشگاه صنعتی شریف

دانشکده مهندسی برق

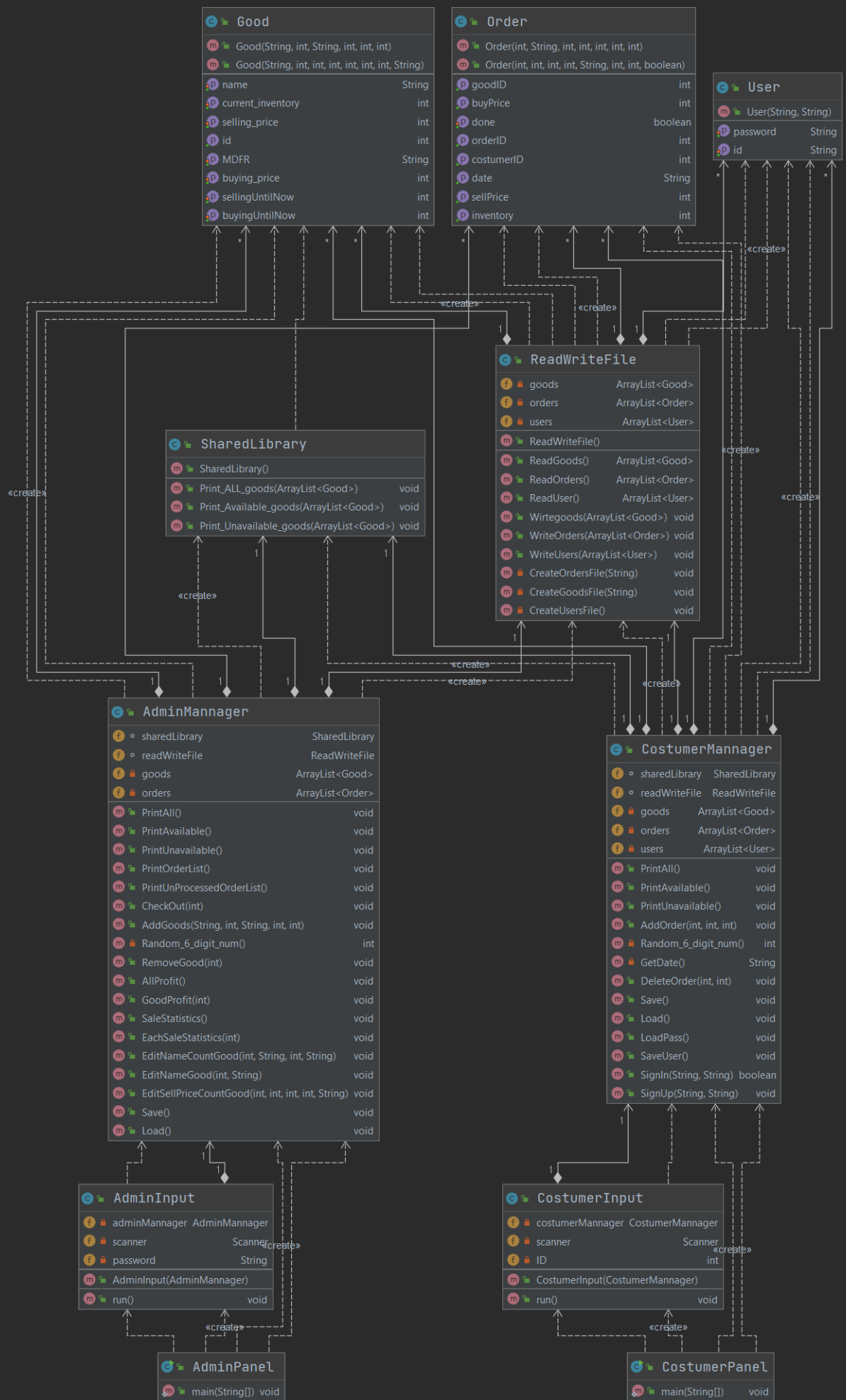
مبانی برنامه سازی شی گرا دکتر وثوقی وحدت، دکتر هاشمی

نیم سال ۲-۹۹

تمرین سوم

"شریف مارکت"

تهیه کننده: سید معین الدین مکیان ۹۹۱۰۲۲۶۴



همانطور که در دیاگرام صفحه قبل مشخص است در اینجا خواسته سوال این بود که دو تابع *main* داشته باشیم که در اینجا هر کدام را با نام های *AdminPanel* و *CoustumerPanel* مشخص کردیم که هر کدام برای خود یک *input* و یک *manager* دارد.

کلاس ها *goods*، *orders* و *user* به ترتیب بیانگر شی ها و ویژگی های کالاها، دستورهای خرید و افراد احراز هویت شده هستن (در این برنامه فقط مشتریان احراز هویت می شوند و ادمین با استفاده از رمز عبور می تواند وارد برنامه شود که در اینجا رمز عبور عبارت "*I love OOP*" در نظر گرفته شده است).

زمانی که هر کدام از پنل ها ران شود پس تشکیل شی های مربوطه وارد بخش *input* خود می شود که پس از احراز در آنجا و تایید گذر از مرحله احراز هویت وارد بخش ورودی گرفتن و یا اصطلاحاً *Commend Line* می شود و سپس با توجه به دستوری که وارد شده باشد متد مربوطه در منیجر اجرا می شود.

در این برنامه بعضی از متدها مشترک بودند که آنها را در دو کلاس *SharedLibrary* که مربوط به چاپ جدول های ورودی و خروجی و *ReadWriteFile* قرار دادیم تا پیدا کردن و گیرایی کد بهتر شود.

همچنین در پنل مشتری امکان سوییچ بین اکانت های مختلف تعبیه دیده شده است.

در ادامه چند نمونه از حالات آمده است.

```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help HW3.1 - Top-Level Package
Top-Level Package
Run: AdminPanel x Top-Level Package x CostumerMannager.java x CostumerInput.java x AdminMannager.java x ReadWriteFile.java x CostumerPanel.java x SharedLibrary.java x Use
" C:\Program Files\Java\jdk-15\bin\java.exe " -javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2020.3.2\lib\idea_rt.jar=52704:C:\Program Files\Jet
Costumer Panel Stated !
Login part :
1- Sign in
2- Sign up
1
Username : 12345
Password : 111
Wrong Password please try agine...
Username : 12345
Password : 1111
Username and Password Mached !
Successfully OrdersData saved to the file.
ls -l
+-----+-----+-----+-----+
| Good name | GoodID | Inventory | Price(IRR) |
+-----+-----+-----+-----+
| Milk      | 101756 | 15 liter  | 7000       |
| Candy     | 125102 | 50 peice  | 2000       |
| Meat      | 166541 | 8 kg      | 50000      |
| Chicken   | 177001 | 3 kg      | 30000      |
| Yougert   | 179306 | 20 kg     | 1000       |
| Soup      | 104739 | 8 peice   | 7000       |
| Chips     | 126289 | 25 packet | 10000      |
+-----+-----+-----+-----+
Successfully GoodsData saved to the file.
Build completed successfully in 1 sec, 199 ms (27 minutes ago)
```

```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help HW3.1 - Top-Level Package
Top-Level Package
Run: AdminPanel x Top-Level Package x CostumerMannager.java x CostumerInput.java x AdminMannager.java x ReadWriteFile.java x CostumerPanel.java x SharedLibrary.java x Use
Successfully OrdersData saved to the file.
order 101756 -> 1 liter
order 125102 -> 1 peice
order 166541 -> 1 kg
order 177001 -> 1 kg
order 179306 -> 1 kg
order 104739 -> 1 peice
order 126289 -> 1 packetYour order id is = 117557
Successfully GoodsData saved to the file.
Successfully OrdersData saved to the file.
Your order id is = 191203
Successfully GoodsData saved to the file.
Successfully OrdersData saved to the file.
Your order id is = 163142
Successfully GoodsData saved to the file.
Successfully OrdersData saved to the file.
Your order id is = 196822
Successfully GoodsData saved to the file.
Successfully OrdersData saved to the file.
Your order id is = 192914
Successfully GoodsData saved to the file.
Successfully OrdersData saved to the file.
Your order id is = 124765
Successfully GoodsData saved to the file.
Successfully OrdersData saved to the file.
Build completed successfully in 1 sec, 199 ms (29 minutes ago)
```

```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help HW3.1 - AdminPanel.java
HW3.1 \ src \ AdminPanel \ main
Run: CostumerMannager.java CostumerInput.java AdminMannager.java ReadWriteFile.java CostumerPanel.java SharedLibrary.java User.java AdminPanel.java
" C:\Program Files\Java\jdk-15\bin\java.exe " -javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2020.3.2\lib\idea_rt.jar=53272:C:\Program Files\Jet
Admin Panel Stated !
Please Enter the password (if you are TA enter {I Love OOP}): i love oop
Invalid Password Please try again ...
Please Enter the password (if you are TA enter {I Love OOP}): i love oop
Password Accepted :)
Now Please Enter Your Command :
ls -ls
+-----+-----+-----+-----+
| Good name | GoodID | Inventory | Price(IRR) |
+-----+-----+-----+-----+
| Milk      | 101756 | 14  liter | 7000       |
| Candy     | 125102 | 49  peice | 2000       |
| Meat      | 166541 | 7   kg    | 50000      |
| Checken   | 177001 | 2   kg    | 30000      |
| Yougert   | 179306 | 19  kg    | 1000       |
| Soup      | 104739 | 7   peice | 7000       |
| Chips     | 126289 | 25  packet | 10000      |
+-----+-----+-----+-----+
Successfully GoodsData saved to the file.
Successfully OrdersData saved to the file.
ls -ls
+-----+-----+-----+-----+
| OrderID | Good name | GoodID | Inventory | CostumerID | Registration time | Processing status |
+-----+-----+-----+-----+
| 121257 | Milk      | 101756 | 5  liter  | 12345      | 2021/05/26 09:39:07 | UnProcessed      |
+-----+-----+-----+-----+
Run Debug TODO Problems Terminal Profiler Build
Build completed successfully in 1 sec, 279 ms (moments ago)
Type here to search
```

```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help HW3.1 - AdminPanel.java
HW3.1 \ src \ AdminPanel \ main
Run: CostumerPanel.java AdminPanel.java
+-----+-----+-----+-----+
| Soup      | 104739 | 7   peice | 7000       |
| Chips     | 126289 | 25  packet | 10000      |
+-----+-----+-----+-----+
Successfully GoodsData saved to the file.
Successfully OrdersData saved to the file.
ls -ls
+-----+-----+-----+-----+
| OrderID | Good name | GoodID | Inventory | CostumerID | Registration time | Processing status |
+-----+-----+-----+-----+
| 121257 | Milk      | 101756 | 5  liter  | 12345      | 2021/05/26 09:39:07 | UnProcessed      |
| 152454 | Candy     | 125102 | 50  peice | 12345      | 2021/05/26 09:41:50 | UnProcessed      |
| 140092 | Checken   | 177001 | 12  kg    | 12345      | 2021/05/26 09:50:34 | UnProcessed      |
| 103248 | Yougert   | 179306 | 30  kg    | 12345      | 2021/05/26 09:50:34 | UnProcessed      |
| 118231 | Soup      | 104739 | 2   peice | 12345      | 2021/05/26 09:50:34 | UnProcessed      |
| 130485 | Chips     | 126289 | 5   packet | 12345      | 2021/05/26 09:51:05 | UnProcessed      |
| 117557 | Milk      | 101756 | 1  liter  | 12345      | 2021/05/27 01:18:23 | UnProcessed      |
| 191203 | Candy     | 125102 | 1   peice | 12345      | 2021/05/27 01:18:23 | UnProcessed      |
| 163142 | Meat      | 166541 | 1   kg    | 12345      | 2021/05/27 01:18:23 | UnProcessed      |
| 196822 | Checken   | 177001 | 1   kg    | 12345      | 2021/05/27 01:18:23 | UnProcessed      |
| 192914 | Yougert   | 179306 | 1   kg    | 12345      | 2021/05/27 01:18:23 | UnProcessed      |
| 124765 | Soup      | 104739 | 1   peice | 12345      | 2021/05/27 01:18:23 | UnProcessed      |
+-----+-----+-----+-----+
Successfully GoodsData saved to the file.
Successfully OrdersData saved to the file.
Run Debug TODO Problems Terminal Profiler Build
Build completed successfully in 1 sec, 279 ms (a minute ago)
Type here to search
```

FileEditViewNavigateCodeAnalyzeRefactorBuildRunToolsVCSWindowHelpHW3.1 - AdminMannager.java

HW3.1srcAdminMannagerAllProfit

Level PackageCostumerMannager.javaCostumerInput.javaAdminMannager.javaReadWriteFile.javaCostumerPanel.javaSharedLibrary.javaUser.javaAdminPanel.java

Run:CostumerPanelAdminPanel

HW3.1

124/65Soup104/391 peice123452021/05/27 01:18:23UNProcessed

Successfully GoodsData saved to the file.  
Successfully OrdersData saved to the file.  
edit  
40000 IRR  
Successfully GoodsData saved to the file.  
Successfully OrdersData saved to the file.  
edit  
Number of Orders | Good name | GoodID | Sales number | Selling(IRR) | Profit(IRR) |  
2 | Milk | 101756 | 6 | 14000 | 4000 |  
2 | Candy | 125102 | 51 | 4000 | 2000 |  
1 | Meat | 166541 | 1 | 50000 | 20000 |  
2 | Chicken | 177001 | 13 | 60000 | 20000 |  
2 | Yougert | 179306 | 31 | 2000 | 1000 |  
2 | Soup | 104739 | 3 | 14000 | 7000 |  
1 | Chips | 126289 | 5 | 10000 | 3000 |  
All Orders = 12 | All Sells = 154000 | All Profits = 57000 |  
Successfully GoodsData saved to the file.  
Successfully OrdersData saved to the file.

RunDebugTODOProblemsTerminalProfilerBuild

Build completed successfully in 1 sec, 221 ms (a minute ago)

Type here to search

Event Log45:11:22 AM5/27/2021