Poroje sakhte shabih saze digikala :

In poroje shamele 18 class ast. Classe Product va 10 subclassash, Shop, Admin, User, Seller, Request, Order va main. Dar in gozaresh be tozihe sakhtare class ha va chaleshhayi ke dar toole poroje dashtim mipardazim.

Product class : in class shamele 4 attribute va function constructor va function haye getter va setter va function toString ast. In class, super classe 10 classe digar ast. Be ebarati 10 subclass darad ke harkodam az in class ha yek category az product hastand.

Product subclasses : in class ha hamegi az super classe product ersbari mikonand ke ebaratand az : Book, CellPhone, Laptop, Television, Watch, Camera, Clothes, Shoe, MusicalInstrument va Car.

Hameye in subclass ha daraye tedadi attribute va function constructor va function haye getter va setter va function toString hastand.

Shop Class : in class shamele 8 attribute ast. 4 ta az in attribute ha ArrayList hastand ke ma dar in ArrayList ha admin ha , user ha , seller ha va order ha ro negahdari mikonim. Yeki digar az in attribute ha profit ast ke besurate default 0.0 set shode ast. Vaghti admin yek order ro confirm mikonad 10 darsad total price be hesabe shop rikhte mishavad va intori profit taghir mikonad. In class shamele function constructor va function haye getter va setter va tedadi function karbordie digar ast ke karborde har function az ruye esmash ghabele estenbat ast. Yek adad object Admin bename predefined admin sakhte shode ast ta az in object dar function addingPredefinedAdmin estefade shavad zira bayad shop yek adad admine azpish tarif shode dashte bashad zira har admin tavasot yek admin digar sakhte mishavad banabar in niaz ast ke yek adad predefined admin dashte bashim.

Admin class : in class shamele 5 attribute ast. Yeki az in attribute ha Boolean isMaster ast ke besurate default false set shode ast. Dar vaghe hameye admin ha master nistand be joz yek admin. Predefined admin haman admin master ast ke ba estefade az function setIsMaster, isMaster predefined admin ra true kardim. In attribute be ma komak mikonad ta dastresi admin haye digar ra mahdud konim. Dar vaghe ekhtiarate predefined admin ke haman master ast bishtar az digar admin ha ast. In class shamele function constructor va function haye getter va setter va tedadi functione karbordie digar ast ke karborde harkodam az in function ha az ruye esmeshan ghabele estenbat ast.

User class : in class shamele 9 attribute ast. 3 ta az in attribute ha ArrayList hastand. Yeki az in ArrayList ha shoppingCart ast ke karbar ba entekhab kardane mahsulati ke mikhahad bekharad varede in ArrayList mikonad. Yeki az in ArrayList ha purchasedItems ast ke mahsulati ke karbar kharidari karde ast ra dar khod negah midarad va akharin ArrayList orders hast ke sefaresh haye karbar ra dar khod negah dari mikonad. Yeki az attribute ha wallet ast ke besurate default 0.0 set shod east. Dar vaghe vaghti yek karbar account misazad kife poolash khali ast v aba darkhast dadane be yek admin baraye sharj kardane kife poolash, kife poolash ra sharj mikonad.

Seller class : in class shamele 4 attribute ast. Yeki az in attribute ha ArrayList bename availableProducts ast ke dar khod mahsulate mojude furushande ra negahdari mikonad. Yeki digar az in attribute ha wallet ast ke besurate default 0.0 set shode ast. Darvaghe yek furushande vaghti account misazad pooli dar kife poolash nadarad va az tarigh furushe mahsulatash kife poolash sharj mishavad.

Request class : in class shamele 2 attribute va function constructor va function haye getter va setter va function toString ast.

Order class : in class shamele 6 attribute ast. Yeki az in attribute ha orderID ast ke besurate random tavasot function .randomUUID() tolid mishavad. Ba ezafe kardane ketabkhane UUID az in function estefade kardim. Yeki digar az attribute ha String status ast ke besurate default "Pending" set shode ast. Agar order taiid shavad be "Confirmed" taghir mikonad va agar order cancel shavad be "Canceled" taghir mikonad. In class shamele function haye getter va setter va function toString ast.

Main class : in class mohem tarin va asli tarin class ast. Va barname dar in class run mishavad. In class shamele function main va runMenu va function haye digar ast ke harkodam karborde khasi darand ke karbordeshan az ruye esmeshan ghabele estenbat ast.