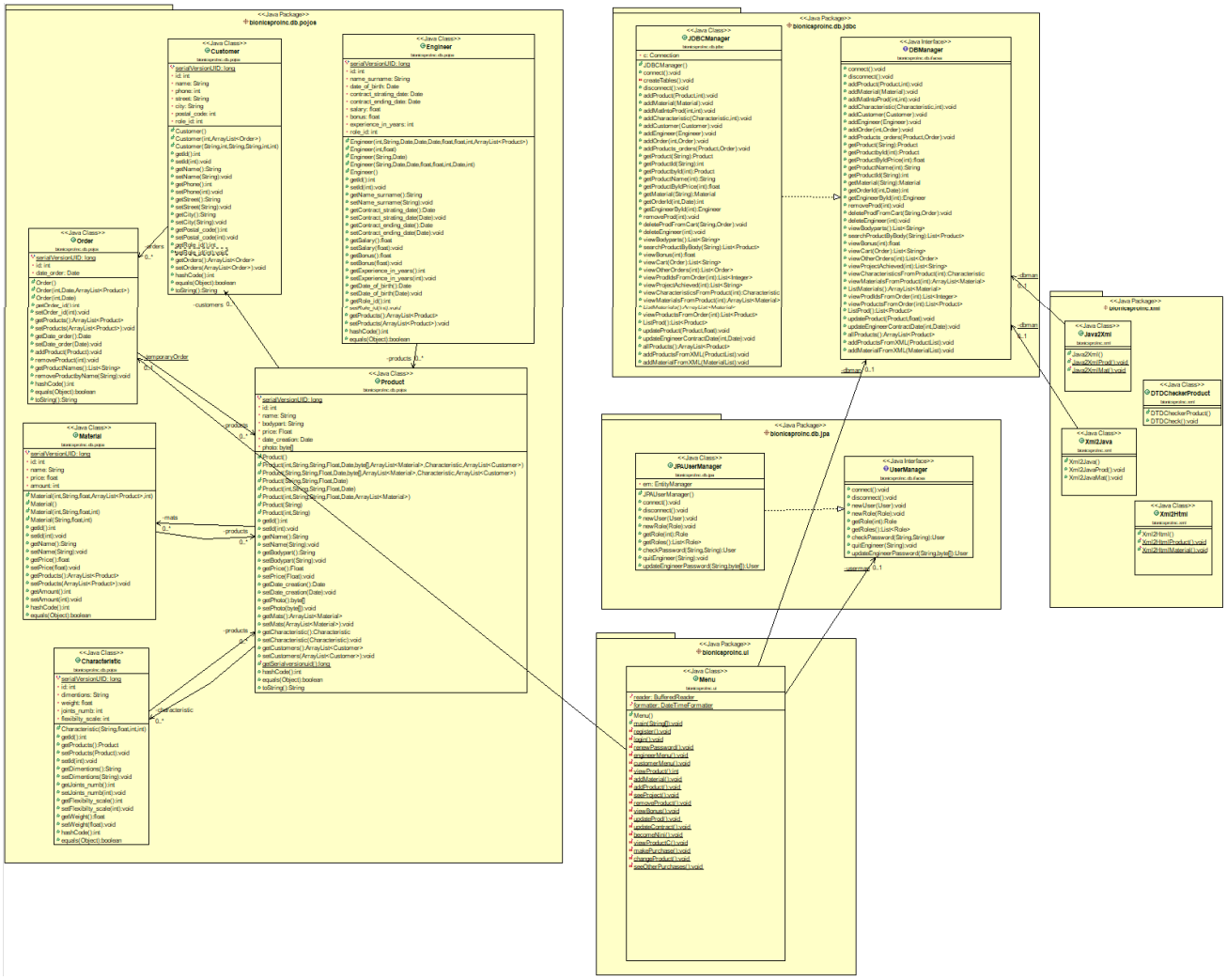
<<Java Package>>
bionicsproinc.db.pojos
<<Java Class>>
Customer
serialVersionUID: long
- id: int
- name: String
- phone: int
- street: String
- city: String
- postal_code: int
- role_id: int
Customer()
Customer(int,Array List<Order>)
Customer(String,int,String,String,int,int)
getId():int
setId(int):void
getName():String
setName(String):void
getPhone():int
setPhone(int):void
getStreet():String
setStreet(String):void
getCity():String
setCity(String):void
getPostal_code():int
setPostal_code(int):void
getById_id():int
setById_id(int):void
getOrders():Array List<Order>
setOrders(Array List<Order>):void
hashCode():int
equals(Object):boolean
toString():String
<<Java Class>>
Engineer
serialVersionUID: long
- id: int
- name_surname: String
- date_of_birth: Date
- contract_strating_date: Date
- contract_ending_date: Date
- salary: float
- bonus: float
- experience_in_years: int
- role_id: int
Engineer(int,String,Date,Date,Date,float,float,int,Array List<Product>)
Engineer(int,float)
Engineer(String,Date)
Engineer(String,Date,Date,float,float,int,Date,int)
Engineer()
getId():int
setId(int):void
getName_surname():String
setName_surname(String):void
getContract_strating_date():Date
setContract_strating_date(Date):void
getContract_ending_date():Date
setContract_ending_date(Date):void
getSalary():float
setSalary(float):void
getBonus():float
setBonus(float):void
getExperience_in_years():int
setExperience_in_years(int):void
getDate_of_birth():Date
setDate_of_birth(Date):void
getRole_id():int
setRole_id(int):void
getProducts():Array List<Product>
setProducts(Array List<Product>):void
hashCode():int
equals(Object):boolean
<<Java Class>>
Order
serialVersionUID: long
- id: int
- date_order: Date
Order()
Order(int,Date,Array List<Product>)
Order(int,Date)
getOrder_id():int
setOrder_id(int):void
getProducts():Array List<Product>
setProducts(Array List<Product>):void
getDate_order():Date
setDate_order(Date):void
addProduct(Product):void
removeProduct(int):void
getProductNames():List<String>
removeProductsByName(String):void
hashCode():int
equals(Object):boolean
toString():String
-orders
0..*
-temporaryOrder
0..1
-customers 0..*
-products 0..*
<<Java Class>>
Product
serialVersionUID: long
- id: int
- name: String
- bodypart: String
- price: Float
- date_creation: Date
- photo: byte[]
Product()
Product(int,String,String,Float,Date,byte[],Array List<Material>,Characteristic,Array List<Customer>)
Product(String,String,Float,Date,byte[],Array List<Material>,Characteristic,Array List<Customer>)
Product(String,String,Float,Date)
Product(int,String,String,Float,Date)
Product(int,String,String,Float,Date,Array List<Material>)
Product(String)
Product(int,String)
getId():int
setId(int):void
getName():String
setName(String):void
getBodypart():String
setBodypart(String):void
getPrice():Float
setPrice(Float):void
getDate_creation():Date
setDate_creation(Date):void
getPhoto():byte[]
setPhoto(byte[]):void
getMats():Array List<Material>
setMats(Array List<Material>):void
getCharacteristic():Characteristic
setCharacteristic(Characteristic):void
getCustomers():Array List<Customer>
setCustomers(Array List<Customer>):void
getSerialversionuid():long
hashCode():int
equals(Object):boolean
toString():String
-products
0..*
<<Java Class>>
Material
serialVersionUID: long
- id: int
- name: String
- price: float
- amount: int
Material(int,String,float,Array List<Product>,int)
Material()
Material(int,String,float,int)
Material(String,float,int)
getId():int
setId(int):void
getName():String
setName(String):void
getPrice():float
setPrice(float):void
getProducts():Array List<Product>
setProducts(Array List<Product>):void
getAmount():int
setAmount(int):void
hashCode():int
equals(Object):boolean
-mats
0..*
-products
0..*
<<Java Class>>
Characteristic
serialVersionUID: long
- id: int
- dimentions: String
- weight: float
- joints_numb: int
- flexibility_scale: int
Characteristic(String,float,int,int)
getId():int
getProducts():Product
setProducts(Product):void
setId(int):void
getDimentions():String
setDimentions(String):void
getJoints_numb():int
setJoints_numb(int):void
getFlexibility_scale():int
setFlexibility_scale(int):void
getWeight():float
setWeight(float):void
hashCode():int
equals(Object):boolean
-characteristic
0..*
<<Java Package>>
bionicsproinc.db.jdbc
<<Java Class>>
JDBCManager
bionicsproinc.db.jdbc
- c: Connection
JDBCManager()
connect():void
createTables():void
disconnect():void
addProduct(Product,int):void
addMaterial(Material):void
addMatrixProd(int,int):void
addCharacteristic(Characteristic,int):void
addCustomer(Customer):void
addEngineer(Engineer):void
addOrder(int,Order):void
addProducts_orders(Product,Order):void
getProduct(String):Product
getProductId(String):int
getProductById(int):Product
getProductName(int):String
getProductId(String):int
getProductByIdPrice(int):float
getMaterial(String):Material
getOrderId(int,Date):int
getEngineerById(int):Engineer
removeProd(int):void
deleteProdFromCart(String,Order):void
deleteEngineer(int):void
viewBodyparts():List<String>
searchProductByBody(String):List<Product>
viewBonus(int):float
viewCart(Order):List<String>
viewOtherOrders(int):List<Order>
viewProdsFromOrder(int):List<Integer>
viewProjectsAchieved(int):List<String>
viewCharacteristicsFromProduct(int):Characteristic
viewMaterialsFromProduct(int):Array List<Material>
ListMaterials():Array List<Material>
viewProductsFromOrder(int):List<Product>
ListProd():List<Product>
updateProduct(Product,float):void
updateEngineerContractDate(int,Date):void
allProducts():Array List<Product>
addProductsFromXML(ProductList):void
addMaterialFromXML(MaterialList):void
<<Java Interface>>
DBManager
bionicsproinc.db.dbface
connect():void
disconnect():void
addProduct(Product,int):void
addMaterial(Material):void
addMatrixProd(int,int):void
addCharacteristic(Characteristic,int):void
addCustomer(Customer):void
addEngineer(Engineer):void
addOrder(int,Order):void
addProducts_orders(Product,Order):void
getProduct(String):Product
getProductId(int):Product
getProductByIdPrice(int):float
getProductName(int):String
getProductId(String):int
getMaterial(String):Material
getOrderId(int,Date):int
getEngineerById(int):Engineer
removeProd(int):void
deleteProdFromCart(String,Order):void
deleteEngineer(int):void
viewBodyparts():List<String>
viewBonus(int):float
viewCart(Order):List<String>
viewOtherOrders(int):List<Order>
viewProjectsAchieved(int):List<String>
viewCharacteristicsFromProduct(int):Characteristic
viewMaterialsFromProduct(int):Array List<Material>
ListMaterials():Array List<Material>
viewProdsFromOrder(int):List<Integer>
viewProductsFromOrder(int):List<Product>
ListProd():List<Product>
updateProduct(Product,float):void
updateEngineerContractDate(int,Date):void
allProducts():Array List<Product>
addProductsFromXML(ProductList):void
addMaterialFromXML(MaterialList):void
-dbman
0..1
-dbman
0..1
-dbman
0..1
<<Java Package>>
bionicsproinc.db.jpa
<<Java Class>>
JPAUserManager
bionicsproinc.db.jpa
- em: EntityManager
JPAUserManager()
connect():void
disconnect():void
newUser(User):void
newRole(Role):void
getRole(int):Role
getRoles():List<Role>
checkPassword(String,String):User
guiEngineer(String):void
updateEngineerPassword(String,byte[]):User
<<Java Interface>>
UserManager
bionicsproinc.db.dbface
connect():void
disconnect():void
newUser(User):void
newRole(Role):void
getRole(int):Role
getRoles():List<Role>
checkPassword(String,String):User
guiEngineer(String):void
updateEngineerPassword(String,byte[]):User
-usermanager
0..1
<<Java Package>>
bionicsproinc.ui
<<Java Class>>
Menu
bionicsproinc.ui
reader: BufferedReader
formatter: DateTimeFormatter
Menu()
mainString[]:void
register():void
login():void
renewPassword():void
engineerMenu():void
customerMenu():void
viewProductList
addMaterial():void
addProduct():void
seeProject():void
removeProduct():void
viewBonus():void
updateProd():void
updateContract():void
becomeMist():void
viewProductsC():void
makePurchase():void
changeProduct():void
seeOtherPurchases():void
<<Java Package>>
bionicsproinc.xml
<<Java Class>>
Java2Xml
bionicsproinc.xml
Java2Xml()
Java2Xml(Prod):void
Java2Xml(Mat):void
<<Java Class>>
Xml2Java
bionicsproinc.xml
Xml2Java()
Xml2Java(Prod):void
Xml2Java(Mat):void
<<Java Class>>
DTDCheckerProduct
bionicsproinc.xml
DTDCheckerProduct()
DTDCheck():void
<<Java Class>>
Xml2Html
bionicsproinc.xml
Xml2Html()
Xml2Html(Product):void
Xml2Html(Material):void