Creating packages model, dao, daoImpl

8. Add a POJO class named “Product” inside the model package.

9. Type the following code inside the class declaration:

**int** productId;

String productName;

String productDescription;

**int** productPrice;

**int** productQuantity;

String imageUrl;

**public** Product() {

**super**();

// **TODO** Auto-generated constructor stub

}

**public** Product(**int** productId, String productName, String productDescription, **int** productPrice, **int** productQuantity,

String imageUrl) {

**super**();

**this**.productId = productId;

**this**.productName = productName;

**this**.productDescription = productDescription;

**this**.productPrice = productPrice;

**this**.productQuantity = productQuantity;

**this**.imageUrl = imageUrl;

}

**public** **int** getProductId() {

**return** productId;

}

**public** **void** setProductId(**int** productId) {

**this**.productId = productId;

}

**public** String getProductName() {

**return** productName;

}

**public** **void** setProductName(String productName) {

**this**.productName = productName;

}

**public** String getProductDescription() {

**return** productDescription;

}

**public** **void** setProductDescription(String productDescription) {

**this**.productDescription = productDescription;

}

**public** **int** getProductPrice() {

**return** productPrice;

}

**public** **void** setProductPrice(**int** productPrice) {

**this**.productPrice = productPrice;

}

**public** **int** getProductQuantity() {

**return** productQuantity;

}

**public** **void** setProductQuantity(**int** productQuantity) {

**this**.productQuantity = productQuantity;

}

**public** String getImageUrl() {

**return** imageUrl;

}

**public** **void** setImageUrl(String imageUrl) {

**this**.imageUrl = imageUrl;

}

10. Create “Category” class inside the model package.

11. Type the following code inside the Category class declaration:

**int** categoryId;

String categoryName;

**public** Category() {

**super**();

// **TODO** Auto-generated constructor stub

}

**public** Category(**int** categoryId, String categoryName) {

**super**();

**this**.categoryId = categoryId;

**this**.categoryName = categoryName;

}

**public** **int** getCategoryId() {

**return** categoryId;

}

**public** **void** setCategoryId(**int** categoryId) {

**this**.categoryId = categoryId;

}

**public** String getCategoryName() {

**return** categoryName;

}

**public** **void** setCategoryName(String categoryName) {

**this**.categoryName = categoryName;

}

Construct DAO:

12. Add interface named “IProductDAO” inside the dao package.

13. Replace the existing code snippets with following:

**package** com.shop.MyQuestBackEnd.dao;

**import** java.util.\*;

**import** com.shop.MyQuestBackEnd.model.\*;

**public** **interface** IProductDAO {

**public** List<Product> getAllProduct();

**public** Product getProduct(**int** id);

}

14. Add another interface named “ICategoryDAO” inside the dao package.

15. Replace the existing code snippets with following:

**package** com.shop.MyQuestBackEnd.dao;

**import** java.util.\*;

**import** com.shop.MyQuestBackEnd.model.\*;

**public** **interface** ICategoryDAO {

**public** List<Category> getAllCategory();

**public** Category getCategory(**int** id);

}

16. Add a class named “ProductDAOImpl” inside the daoImpl package.

**package** com.shop.MyQuestBackEnd.daoImpl;

**import** java.util.\*;

**import** com.shop.MyQuestBackEnd.model.\*;

**import** com.shop.MyQuestBackEnd.dao.\*;

**public** **class** ProductDAOImpl **implements** IProductDAO{

**public** **static** List<Product> *prodList*=**new** ArrayList<Product>();

**public** List<Product> getAllProduct() {

**return** *prodList*;

}

**public** Product getProduct(**int** id) {

Product prod=**new** Product();

**for**(Product p:*prodList*){

**if**(id==p.getProductId()){

prod=p;

**break**;

}

}

**return** prod;

}

}

18. Add another class named “CategoryDAOImpl” inside the daoImpl package.

**package** com.shop.MyQuestBackEnd.daoImpl;

**import** java.util.\*;

**import** com.shop.MyQuestBackEnd.dao.\*;

**import** com.shop.MyQuestBackEnd.model.\*;

**public** **class** CategoryDAOImpl **implements** ICategoryDAO{

**public** **static** List<Category> *catList*=**new** ArrayList<Category>();

**public** List<Category> getAllCategory() {

**return** *catList*;

}

**public** Category getCategory(**int** id) {

Category cat=**new** Category();

**for**(Category c:*catList*){

**if**(id==c.getCategoryId()){

cat=c;

**break**;

}

}

**return** cat;

}

}

19. Similarly complete rest model, dao and daoImpl componets related to your project.