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ASSIGNMENT.NO.5

TITLE : Prepare a Design Model from Analysis Model

Study in detail working of system/Project. Identify Design classes/ Evolve Analysis Model. Use advanced relationships. Draw Design class Model using OCL and UML2.0 Notations. Implement the design model with a suitable object-oriented language.

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package onlineshopping;

public class onlinestore {

String name = "";

void get()

{

name = "Amazon";

System.out.println("NAME = " + name);

}

public static void main(String args[])

{

System.out.println("This is Online Store class");

onlinestore o1 = new onlinestore();

customer c = new customer();

admin a1 = new admin();

seller s = new seller();

products p = new products();

o1.get();

c.put();

a1.put();

s.put();

p.put();

}

}

---------------------------------------------------------------------------------------

package onlineshopping;

public class customer{

protected String name,email,add,contact;

void get(){

name = "abcd";

email = "abc@gmail.com";

add = "Nashik-9";

contact = "9988776650";

}

void put()

{

System.out.println("This is Customer class");

System.out.println("Name: " + name);

System.out.println("EmailID: " + email);

System.out.println("Address: " + add);

System.out.println("Contact: " + contact);

newregistered nr= new newregistered();

alreadyregistered ar =new alreadyregistered();

nr.put();

ar.put();

}

}

--------------------------------------------------------------------------------------------

package onlineshopping;

public class newregistered extends customer {

void put()

{

System.out.println("This is New Registered class");

}

}

--------------------------------------------------------------------------------------------

package onlineshopping;

public class alreadyregistered extends customer {

void put()

{

System.out.println("This is Already Registered class");

}

}

--------------------------------------------------------------------------------------------

package onlineshopping;

public class admin {

String name,email;

void get(){

name = "admin";

email = "admin@gmail.com";

}

void put()

{

System.out.println("This is Admin class");

System.out.println("Admin Name = " + name);

System.out.println("Admin Email = " + email);

deliveryperson d = new deliveryperson();

d.put();

d.get();

}

}

---------------------------------------------------------------------------------------------

package onlineshopping;

public class deliveryperson {

String name, contact, email;

void get(){

name = "shreya";

contact = "9988776656";

email = "shreya@gmail.com";

}

void put()

{

System.out.println("This is DeliveryPerson class");

System.out.println("Delivery Person: " + name);

System.out.println("Delivery Person Contact: " + contact);

System.out.println("Delivery Person email: " + email);

}

}

----------------------------------------------------------------------------------------------

package onlineshopping;

public class seller {

String name, sName, email, contact;

void get(){

name = "mohini";

sName = "Myntra";

email = "mohini@myntra.com";

contact = "7788996709";

}

void put()

{

System.out.println("This is Seller class");

System.out.println("Seller Name: " + name);

System.out.println("Shop Name: " + sName);

System.out.println("Seller Email: " + email);

System.out.println("Seller contact: " + contact);

}

}

-------------------------------------------------------------------------------------------

package onlineshopping;

public class products {

String name, id, category, description;

void get(){

name = "watch";

id = "501";

category = "Women";

description = "water proof";

}

void put()

{

System.out.println("This is Product class");

System.out.println("Product ID: " + id);

System.out.println("Product Name: " + name);

System.out.println("Product category: " + category);

System.out.println("Product description: " + description);

electronics e1= new electronics();

watch wa1 = new watch();

clothes c1 =new clothes();

e1.put();

wa1.put();

c1.put();

e1.get();

wa1.get();

c1.get();

}

}

--------------------------------------------------------------------------------------------

package onlineshopping;

public class electronics extends products {

void put()

{

System.out.println("This is Electronics class");

}

}

--------------------------------------------------------------------------------------------

package onlineshopping;

public class watch extends products {

String brand;

void get(){

brand = "Titan";

}

void put()

{

System.out.println("This is Watch class");

System.out.println("watch brand: " + brand);

}

}

--------------------------------------------------------------------------------------------

package onlineshopping;

public class clothes extends products {

String size,color;

void get(){

size = "XL";

color = "red";

}

void put()

{

System.out.println("This is Clothes class");

System.out.println("Clothes size: " + size);

System.out.println("Clothes color: " + color);

mens m1 =new mens();

womens w1= new womens();

kids k1 =new kids();

m1.put();

w1.put();

k1.put();

}

}

--------------------------------------------------------------------------------------------

package onlineshopping;

public class mens extends clothes {

void put()

{

System.out.println("This is Mens clothes class");

}

}

-------------------------------------------------------------------------------------------

package onlineshopping;

public class womens extends clothes {

void put()

{

System.out.println("This is womens clothes class");

}

}

--------------------------------------------------------------------------------------------

package onlineshopping;

public class kids extends clothes {

void put()

{

System.out.println("This is Kids clothes class");

}

}

--------------------------------------------------------------------------------------------

OUTPUT:

This is Online Store class

NAME = Amazon

This is Customer class

Name: abcd

EmailID: abc@gmail.com

Address: Nashik-9

Contact: 9988776650

This is New Registered class

This is Already Registered class

This is Admin class

Admin Name = admin

Admin Email = admin@gmail.com

This is DeliveryPerson class

Delivery Person: shreya

Delivery Person Contact: 9988776656

Delivery Person email: shreya@gmail.com

This is Seller class

Seller Name: mohini

Shop Name: Myntra

Seller Email: mohini@myntra.com

Seller contact: 7788996709

This is Product class

Product ID: 501

Product Name: watch

Product category: women

Product description: water proof

This is Electronics class

This is Watch class

watch brand: null

This is Clothes class

Clothes size: XL

Clothes color: red

This is Mens clothes class

This is womens clothes class

This is Kids clothes class