

স্বাধীনতা অর্জন প্রাপ্ত বিশ্ববিদ্যালয়



**DEPARTMENT OF CSE**

**LAB REPORT=01**

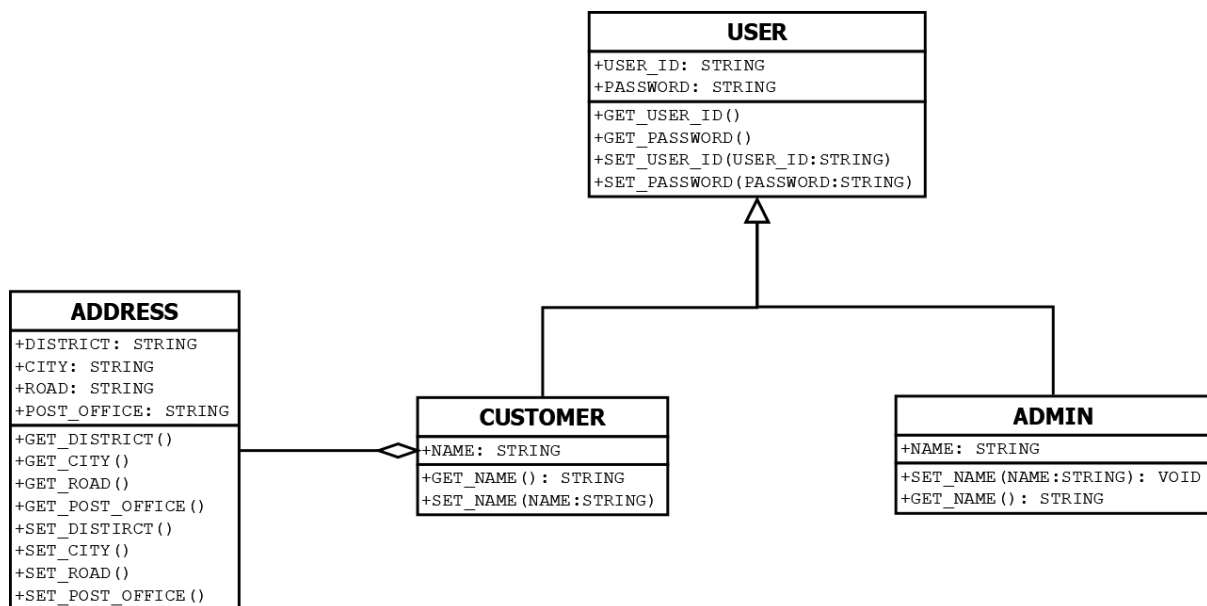
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## Class Diagram



### User Class Code:

```

package online_sopping;

public class user {
    private String userid;
    private String password;

    public String getUserid() {
        return userid;
    }

    public void setUserid(String userid) {
        this.userid = userid;
    }

    public String getPassword() {
        return password;
    }
}
    
```

```
public void setPassword(String password) {  
    this.password = password;  
}  
public user(String userid, String password) {  
    this.userid = userid;  
    this.password = password;  
}  
public user() {  
    super();  
}
```

**Admin Class Code:**

```
package online_sopping;  
public class admin extends user {  
    private String name;  
    public String getName() {  
        return name;  
    }  
    public void setName(String name) {  
        this.name = name;  
    }  
    public admin(String name, String userid, String password) {  
        super(userid, password);  
        this.name = name;  
    }  
    public admin(String name) {  
        this.name = name;  
    }  
}
```

### Customer Class Code:

```
package online_sopping;

public class customer extends user {
    private String name;
    Address address; // Aggregation

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public customer(String name) {
        this.name = name;
    }

    public customer(String name, String userid, String password) {
        super(userid, password);
        this.name = name;
    }

    public String customer(){
        String customerProp = "User Name : " + this.getName() + " ,User Id : " +
            this.getUserid()+ " ,Password : " + this.getPassword();

        return customerProp;
    }

    public customer() {
        super();
    }
}
```

### Adress Class Code:

```
package online_sopping;

public class Address {
    private String district;
    private String city;
    private String road;
    private String post_office;

    public String getDistrict() {
        return district;
    }

    public void setDistrict(String district) {
        this.district = district;
    }

    public String getCity() {
        return city;
    }

    public void setCity(String city) {
        this.city = city;
    }

    public String getRoad() {
        return road;
    }

    public void setRoad(String road) {
        this.road = road;
    }

    public String getPost_office() {
        return post_office;
    }
}
```

```
}  
  
public void setPost_office(String post_office) {  
    this.post_office = post_office;  
}  
  
public Address(String district, String city, String road, String post_office) {  
    this.district = district;  
    this.city = city;  
    this.road = road;  
    this.post_office = post_office;  
}  
  
public String toString() {  
    return "Address{" + "district=" + district + ", city=" + city + ", road=" + road  
+ ", post_office=" + post_office + '}';  
}  
  
public Address(){  
    super();  
}  
}
```

#### **Main Class Code:**

```
package online_sopping;  
  
public class Online_Sopping {  
    public static void main(String[] args) {  
        Admin admin = new Admin();  
        admin.name = "ABU_BAKAR_SIDDIK";  
        System.out.println(admin);  
    }  
}
```

```
Address address = new Address("Dhaka","Dhaka","Wari","Dhaka_Sadar");  
Customer customer = newCustomer("ABU_BAKAR_SIDDIK",address);  
System.out.println(customer);  
}  
}
```

