

I am making an app for a hotel to enable its costumer to make choice of their food through online through this app. Decorator Pattern is used for implementing this app.

The code for the app is as follows:

// Main Class

```
public class Main {  
    public static void main(String[] args) {  
        FoodMenuView baseMenu = new Rice();  
        FoodMenuView menuWithKarahi = new Karahi(baseMenu);  
        menuWithKarahi.show();  
    }  
}
```

// FoodMenuView Interface

```
public interface FoodMenuView {  
    void show();  
}
```

public class Rice implements FoodMenuView {

```
    @Override  
    public void show() {  
        System.out.println("Rice Menu");  
    }  
}
```

public class Chicken implements FoodMenuView {

```
    @Override  
    public void show() {  
        System.out.println("Chicken Menu");  
    }  
}
```

public abstract class FoodSelection implements FoodMenuView {

```
    private FoodMenuView baseMenu;  
  
    public FoodSelection(FoodMenuView baseMenu) {  
        this.baseMenu = baseMenu;  
    }  
}
```

```
@Override
public void show() {
    if (baseMenu != null) {
        baseMenu.show();
    }
}
}
```

```
public class Karahi extends FoodSelection {
    public Karahi(FoodMenuView baseMenu) {
        super(baseMenu);
    }
}
```

```
@Override
public void show() {
    super.show();
    System.out.println("Karahi");
}
}
```

```
public class MalaiHandi extends FoodSelection {
    public MalaiHandi(FoodMenuView baseMenu) {
        super(baseMenu);
    }
}
```

```
@Override
public void show() {
    super.show();
    System.out.println("Malai Handi");
}
}
```

```
public class Dampukh extends FoodSelection {
    public Dampukh(FoodMenuView baseMenu) {
        super(baseMenu);
    }
}
```

```
@Override
public void show() {
    super.show();
    System.out.println("Dampukh");
}
}
```

```
public class MalaiBoti extends FoodSelection {
    public MalaiBoti(FoodMenuView baseMenu) {
        super(baseMenu);
    }

    @Override
    public void show() {
        super.show();
        System.out.println("Malai Boti");
    }
}
```

```
public class Sajji extends FoodSelection {
    public Sajji(FoodMenuView baseMenu) {
        super(baseMenu);
    }

    @Override
    public void show() {
        super.show();
        System.out.println("Sajji");
    }
}
```

```
public class Chinese extends FoodSelection {
    public Chinese(FoodMenuView baseMenu) {
        super(baseMenu);
    }

    @Override
    public void show() {
        super.show();
        System.out.println("Chinese");
    }
}
```

```
public class Kabuli extends FoodSelection {
    public Kabuli(FoodMenuView baseMenu) {
        super(baseMenu);
    }

    @Override
    public void show() {
        super.show();
        System.out.println("Kabuli");
    }
}
```

}
}