2. Create one sling model and display the values. Show usecase and describe these annotations @Inject, @PostConstruct, @OsgiService, @ScriptVariable @Optional/@Required

Usecase -@Model @Inject @Default @Required @Optional

```java
package com.myapp.core.models;


import org.apache.sling.api.resource.Resource;
import org.apache.sling.models.annotations.Default;
import org.apache.sling.models.annotations.DefaultInjectionStrategy;
import org.apache.sling.models.annotations.Model;
import org.apache.sling.models.annotations.Required;

import javax.inject.Inject;
import java.util.List;

@Model(adaptables = Resource.class,defaultInjectionStrategy =
DefaultInjectionStrategy.OPTIONAL)
public class Header {


    @Inject

    @Optional
    private String mainTitle;
    @Inject
    @Default(values = "/content/dam/myapp/ttn-logo.jpg")
    private String logo;
       @PostConstruct
     private void init(){
    logo ="hi";
    }

    @Inject
    private List<HeaderListItem> pagelist;

    public String getMainTitle() {
        return mainTitle;
    }

    public void setMainTitle(String mainTitle) {
        this.mainTitle = mainTitle;
    }

    public String getLogo() {
        return logo;
    }
```

```java
    public void setLogo(String logo) {
        this.logo = logo;
    }

    public List<HeaderListItem> getPagelist() {
        return pagelist;
    }
```

Use case : @OsgiService

```java
public class HelloWorldModel {



    private String nameOfOrg;
    private String desc;
    private int noOfEmp;
    private String location;
    private String service;
    @OSGiService
    MyCompany npo;


    public String getNameOfOrg() {
        return npo.getOrganizationName();
    }

    public String getDesc() {
        return npo.getDescription();
    }

    public int getNoOfEmp() {
        return npo.getNoOfEmployees();
    }

    public String getLocation() {
        return npo.getLocation();
    }

    public String getService() {
        return npo.getServices();
    }

}
```

Use case : @ScriptVariable

@interface ScriptVariable
Annotation to be used on either methods or fields to let Sling Models inject a script variable (from the org.apache.sling.api.scripting.SlingBindings)