# Overriding Block

**Lets Override Catalog Product ListProduct Block**

1. Tạo file Vendor/ModuleName/etc/di.xml

<?xml version="1.0"?>  
<config xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="urn:magento:framework:ObjectManager/etc/config.xsd">  
<preference for="Magento\Catalog\Block\Product\ListProduct" type="Vendor\ModuleName\Block\Rewrite\Product\ListProduct" />  
</config>

1. Tạo file Vendor/ModuleName/Block/Rewrite/Product/ListProduct.php

<?*php  
 /\*\*  
 \* Hello Rewrite Product ListProduct Block  
 \*  
 \** ***@category*** *Webkul  
 \** ***@package*** *Webkul\_Hello  
 \** ***@author*** *Webkul Software Private Limited  
 \*  
 \*/* **namespace** Vendor\Hello\Block\Rewrite\Product;  
  
 **class** ListProduct **extends** \Magento\Catalog\Block\Product\ListProduct  
 {  
 **public function** \_getProductCollection()  
 {  
 // Do your stuff here  
 }  
 }

* Class được extends class override
* Muốn ghi đè action nào viết lại action đó

# Overriding Model

1. Tạo file Vendor/ModuleName/etc/di.xml

**<?***xml version*="1.0"**?>**<config xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="urn:magento:framework:ObjectManager/etc/config.xsd">  
 <preference for="Magento\Catalog\Model\Product" type="Webkul\Hello\Model\Rewrite\Catalog\Product" />  
</config>

1. Tạo Model Webkul/Hello/Model/Rewrite/Catalog

<?*php  
    /\*\*  
     \* Hello Catalog Product Rewrite Model  
     \*  
     \* @category    Webkul  
     \* @package     Webkul\_Hello  
     \* @author      Webkul Software Private Limited  
     \*  
     \*/  
    namespace* Webkul\Hello\Model\Rewrite\*Catalog*;  
*class Product* **extends** \Magento\Catalog\Model\*Product*{  
 *public* **function** isSalable()  
{  
 // Do your stuff here  
*return* **parent**::*isSalable*();  
}  
}

# Overriding Controller

1. di.xml

<?xml version="1.0"?>  
<config xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="urn:magento:framework:ObjectManager/etc/config.xsd">  
<preference for="Magento\Catalog\Controller\Product\View" type="Webkul\Hello\Controller\Rewrite\Product\View" />  
</config>

1. Webkul/Hello/Controller/Rewrite/Product/view.php

<?*php  
 /\*\*  
 \* Hello Rewrite Product View Controller  
 \*  
 \** ***@category*** *Webkul  
 \** ***@package*** *Webkul\_Hello  
 \** ***@author*** *Webkul Software Private Limited  
 \*  
 \*/* **namespace** Webkul\Hello\Controller\Rewrite\Product;  
  
 **class** View **extends** \Magento\Catalog\Controller\Product\View  
 {  
 */\*\*  
 \** ***@return*** *\Magento\Framework\Controller\Result\Redirect|\Magento\Framework\View\Result\Page  
 \*/* **public function** execute()  
 {  
 // Do your stuff here  
 **return parent**::*execute*();  
 }  
 }

Override file menu.xml