

Module Structure

| | |
|---------------------------------------------|---------------------------|
| <code>app/code/VendorName/ModuleName</code> | Basic module structure |
| <code>registration.php</code> | Module registration file |
| <code>etc/module.xml</code> | Module configuration file |
| <code>etc/frontend/routes.xml</code> | Define frontend routes |
| <code>etc/adminhtml/routes.xml</code> | Define admin routes |

Controller Actions

| | |
|------------------------------|---------------------------------------------------|
| <code>execute()</code> | Main controller action method |
| <code>ResultInterface</code> | Various result types (Json, Redirect, Page, etc.) |
| <code>getRequest()</code> | Retrieve request object |
| <code>getResponse()</code> | Retrieve response object |

Plugins

| | |
|-------------------------------------------------------------|-----------------------------------|
| <code>di.xml</code> | Define plugin configurations |
| <code>beforeMethod(), aroundMethod(), afterMethod():</code> | Plugin methods |
| <code>proceed()</code> | Call the next method in the chain |

Magento CLI Commands

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|------------------------------------------------------|-------------------------------------------|
| <code>bin/magento module:enable Vendor_Module</code> | Enable a module |
| <code>bin/magento setup:upgrade</code> | Apply database schema and data changes |
| <code>bin/magento cache:flush</code> | Flushes cache including 3rd party modules |
| <code>bin/magento cache:clean</code> | Cleans Magento cache |
| <code>bin/magento indexer:reindex</code> | Reindex Data |

Models

| | |
|---------------------------------------|---------------------------------|
| <code>load(), save(), delete()</code> | Basic CRUD operations |
| <code>__construct()</code> | Constructor method |
| <code>getData(), setData()</code> | Get and set model data |
| <code>getResource()</code> | Retrieve model's resource model |

Layout XML

| | |
|-----------------------------------------------------------------|---------------------------------------|
| <code><referenceContainer>, <referenceBlock></code> | Reference existing containers/blocks. |
| <code><block class="" template=""></code> | Define a block |
| <code><arguments></code> | Pass arguments to blocks |
| <code><update handle=""></code> | Apply layout updates. |

Observers

| | |
|-------------------------------------------------------------------|------------------------|
| <code>events.xml</code> | Define observer events |
| <code>execute(Magento\Framework\Event\Observer \$observer)</code> | Observer method. |



Observers (cont)

| | |
|-------------------------|-------------------------|
| <code>getEvent()</code> | <code>getEvent()</code> |
|-------------------------|-------------------------|

Templates

| | |
|---------------------------------------------------------------------------------|----------------------------|
| <code><?php echo \$block->escapeHtml(__("Text")); ?></code> | Output escaped text |
| <code><?php echo \$block->getUrl('route/controller/action'); ?></code> | Generate URL |
| <code><?php echo \$block->getChildHtml(); ?></code> | Output child block content |



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