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Magento product view page analysis

One of the most edited file in Magento is the template file **View.phtml** file. Reason for this is that a lot of clients would like to rearrange it differently on their online stores. Here is the analysis of that file and the list of all the methods it uses.

lib/Varien/**Object**.php
class Varien_Object

       app/code/core/Mage/Core/Block/**Abstract.phtml**
       abstract class Mage_Core_Block_Abstract extends Varien_Object

              app/code/core/Mage/Core/Block/**Template.phtml**
              class Mage_Core_Block_Template extends Mage_Core_Block_Abstract

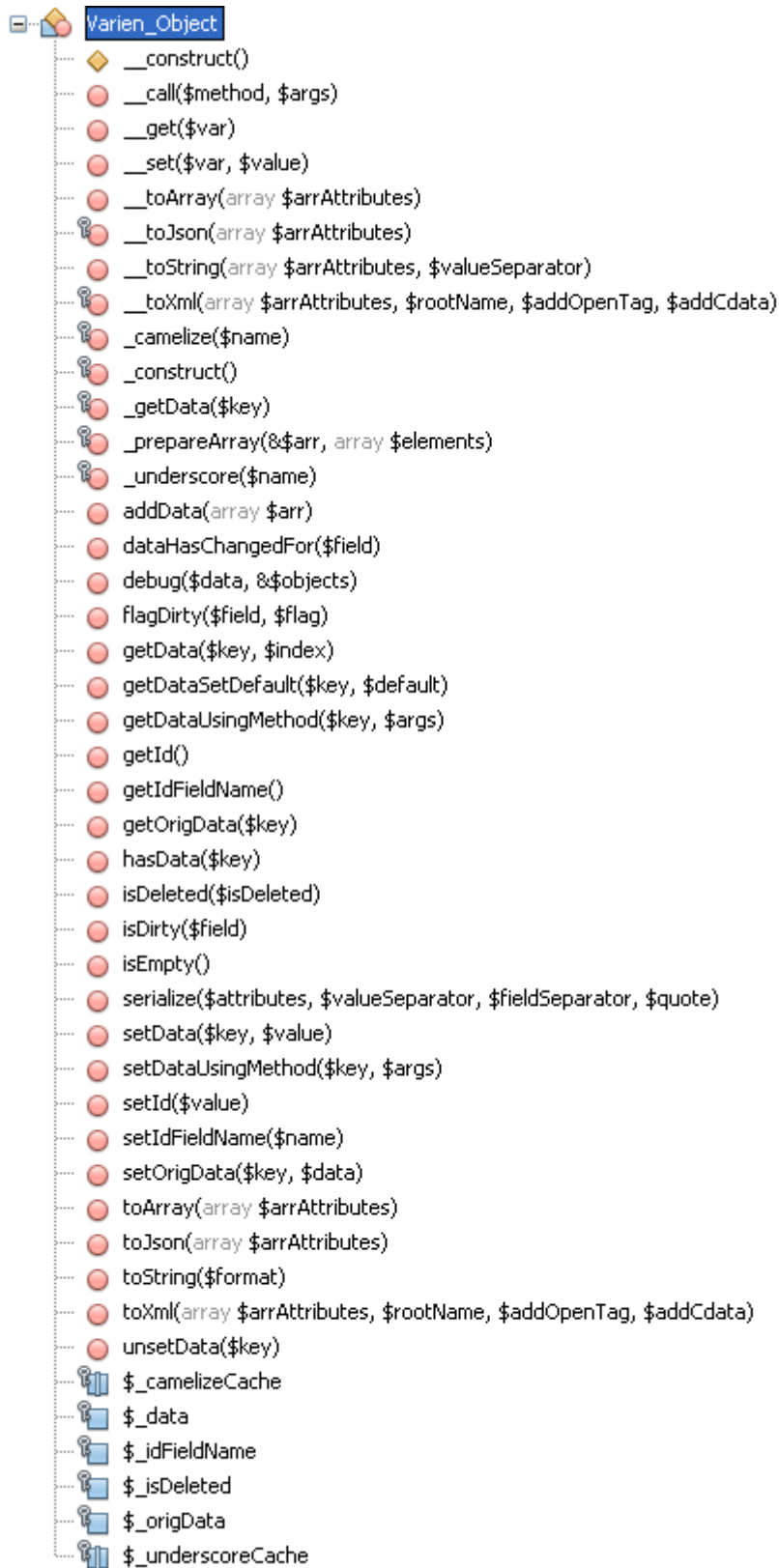   app/code/core/Mage/Catalog/Block/Product/ **Abstract.phtml**
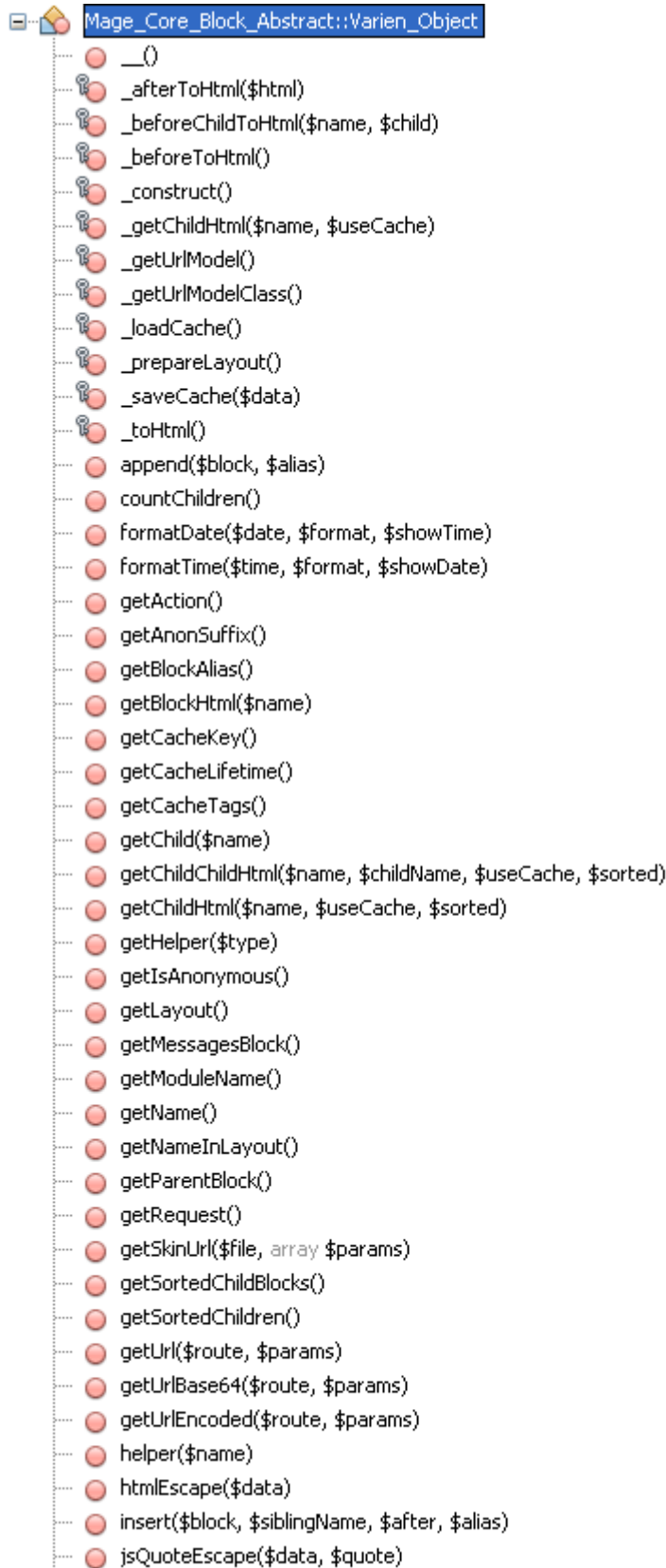   abstract class Mage_Catalog_Block_Product_Abstract extends Mage_Core_Block_Template

                            app/code/core/Mage/Catalog/Block/Product/ **View.phtml**
                            class Mage_Catalog_Block_Product_View extends Mage_Catalog_Block_Product_Abstract

app/code/core/Mage/Catalog/Block/Product/ **View.phtml**
correlates to
app/design/frontend/default/default/template/catalog/product/ **View.phtml**

Could be useful stuff

- **Zend_Debug::dump($this);**
- **Zend_Debug::dump($this->getRequest());**
- $this->getRequest() returns object of type **Mage_Core_Controller_Request_Http** (open)
- Using **Zend_Debug::dump($this->getRequest());** you get to see the available data you can extract like **echo $this->getRequest()->getParam('id');**
- In some other page than View.phtml you can use Mage::getModel('catalog/product'); to create instance of a product
- To get the product data (object) on page other than View.phtml you need to load the product data into the empty instance you can use **$p = Mage::getModel('catalog/product')->load('some_product_id');**
- If you are trying to load a product data on a page different than View.phtml you might ask yourself what the product id is. Try using **Zend_Debug::dump($this->getRequest());** to to find some data that will enable you to retrieve the product id if it already does not contain product id

- **Varien_Object**
  - ◇ __construct()
  - ○ __call($method, $args)
  - ○ __get($var)
  - ○ __set($var, $value)
  - ○ __toArray(array $arrAttributes)
  - ○ __toJson(array $arrAttributes)
  - ○ __toString(array $arrAttributes, $valueSeparator)
  - ○ __toXml(array $arrAttributes, $rootName, $addOpenTag, $addCdata)
  - ○ _camelize($name)
  - ○ _construct()
  - ○ _getData($key)
  - ○ _prepareArray(&$arr, array $elements)
  - ○ _underscore($name)
  - ○ addData(array $arr)
  - ○ dataHasChangedFor($field)
  - ○ debug($data, &$objects)
  - ○ flagDirty($field, $flag)
  - ○ getData($key, $index)
  - ○ getDataSetDefault($key, $default)
  - ○ getDataUsingMethod($key, $args)
  - ○ getId()
  - ○ getIdFieldName()
  - ○ getOrigData($key)
  - ○ hasData($key)
  - ○ isDeleted($isDeleted)
  - ○ isDirty($field)
  - ○ isEmpty()
  - ○ serialize($attributes, $valueSeparator, $fieldSeparator, $quote)
  - ○ setData($key, $value)
  - ○ setDataUsingMethod($key, $args)
  - ○ setId($value)
  - ○ setIdFieldName($name)
  - ○ setOrigData($key, $data)
  - ○ toArray(array $arrAttributes)
  - ○ toJson(array $arrAttributes)
  - ○ toString($format)
  - ○ toXml(array $arrAttributes, $rootName, $addOpenTag, $addCdata)
  - ○ unsetData($key)
  - $_camelizeCache
  - $_data
  - $_idFieldName
  - $_isDeleted
  - $_origData
  - $_underscoreCache

Mage_Core_Block_Abstract::Varien_Object

- __()
- _afterToHtml($html)
- _beforeChildToHtml($name, $child)
- _beforeToHtml()
- _construct()
- _getChildHtml($name, $useCache)
- _getUrlModel()
- _getUrlModelClass()
- _loadCache()
- _prepareLayout()
- _saveCache($data)
- _toHtml()
- append($block, $alias)
- countChildren()
- formatDate($date, $format, $showTime)
- formatTime($time, $format, $showDate)
- getAction()
- getAnonSuffix()
- getBlockAlias()
- getBlockHtml($name)
- getCacheKey()
- getCacheLifetime()
- getCacheTags()
- getChild($name)
- getChildChildHtml($name, $childName, $useCache, $sorted)
- getChildHtml($name, $useCache, $sorted)
- getHelper($type)
- getIsAnonymous()
- getLayout()
- getMessagesBlock()
- getModuleName()
- getName()
- getNameInLayout()
- getParentBlock()
- getRequest()
- getSkinUrl($file, array $params)
- getSortedChildBlocks()
- getSortedChildren()
- getUrl($route, $params)
- getUrlBase64($route, $params)
- getUrlEncoded($route, $params)
- helper($name)
- htmlEscape($data)
- insert($block, $siblingName, $after, $alias)
- jsQuoteEscape($data, $quote)

- 🔴 setAnonSuffix($suffix)
- 🔴 setAttribute($name, $value)
- 🔴 setBlockAlias($alias)
- 🔴 setChild($alias, $block)
- 🔴 setIsAnonymous($flag)
- 🔴 setLayout(Mage_Core_Model_Layout $layout)
- 🔴 setMessagesBlock(Mage_Core_Block_Messages $block)
- 🔴 setName($name)
- 🔴 setParentBlock(Mage_Core_Block_Abstract $block)
- 🔴 toHtml()
- 🔴 unsetCallChild($alias, $callback, $result, $params)
- 🔴 unsetChild($alias)
- 🔴 unsetChildren()
- 📦 $_alias
- 📦 $_anonSuffix
- 📦 $_children
- 📦 $_childrenHtmlCache
- 📦 $_isAnonymous
- 📦 $_layout
- 📦 $_messagesBlock
- 📦 $_name
- 📦 $_parent
- 📦 $_parentBlock
- 📦 $_request
- 📦 $_sortedChildren
- 📦 $_urlModel

Mage_Core_Block_Template::Mage_Core_Block_Abstract
- 📦 _toHtml()
- 🔴 assign($key, $value)
- 🔴 fetchView($fileName)
- 🔴 getArea()
- 🔴 getBaseUrl()
- 🔴 getDirectOutput()
- 🔴 getJsUrl($fileName)
- 🔴 getShowTemplateHints()
- 🔴 getTemplate()
- 🔴 renderView()
- 🔴 setScriptPath($dir)
- 📦 $_baseUrl
- 📦 $_jsUrl
- 📦 $_showTemplateHints
- 📦 $_showTemplateHintsBlocks
- 📦 $_viewDir
- 📦 $_viewVars

Mage_Catalog_Block_Product_Abstract::Mage_Core_Block_Template
- _getPriceBlock($productTypeId)
- _getPriceBlockTemplate($productTypeId)
- _initReviewsHelperBlock()
- addPriceBlockType($type, $block, $template)
- addReviewSummaryTemplate($type, $template)
- getAddToCartUrl($product, $additional)
- getAddToCompareUrl($product)
- getAddToWishlistUrl($product)
- getMinimalQty($product)
- getPriceHtml($product, $displayMinimalPrice, $idSuffix)
- getProduct()
- getReviewsSummaryHtml(Mage_Catalog_Model_Product $product, $templateTyp
- getTierPrices($product)
- $_priceBlock
- $_priceBlockDefaultTemplate
- $_priceBlockTypes
- $_reviewsHelperBlock

Mage_Catalog_Block_Product_View::Mage_Catalog_Block_Product_Abstract
- _prepareLayout()
- canEmailToFriend()
- getAddToCartUrl($product, $additional)
- getJsonConfig()
- getProduct()
- hasOptions()
- hasRequiredOptions()