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<?php
/*
 * SystemUser Model class
 * PHP versions 5.3.5
 * @date 5-February-2015
 * @Purpose:This model handles calls to Amazon API
 * @filesource
 * @author lkpatricia
 * @revision
 * @version 1.0
 */

class AmazonProductApiFunctions extends AppModel
{
    var $name = 'AmazonProductApiFunctions';

    var $validate = array();

    // -----
    // GetLowestOfferListingsForASIN
    // -----
    function GetLowestOfferListingsForASIN($ASIN, $MarketplaceID, $MerchantID=FALSE)
    {
        // -----
        // Amazon Mws Config
        // -----
        $this->MwsDateFormat = Configure::read('MWS_DATE_FORMAT');
        $this->MwsApplicationName = Configure::read('MWS_APPLICATION_NAME');
        $this->MwsApplicationVersion = Configure::read('MWS_APPLICATION_VERSION');
        // -----
        // add amazon vendor files to the path to fix includes
        // -----
        $path = "../Vendor/";
        set_include_path(get_include_path() . PATH_SEPARATOR . $path);
        // -----
        // Some Models and Client Needed
        // -----
        App::import('Vendor', 'MarketplaceWebServiceProducts/Client');
        App::import('Vendor', 'MarketplaceWebServiceProducts/Exception');
        App::import('Vendor',
            'MarketplaceWebServiceProducts/Model/GetLowestOfferListingsForASINRequest');
        App::import('Vendor', 'MarketplaceWebServiceProducts/Model/ASINListType');
        App::import('Model', 'SystemUtils');
        App::import('Model', 'AmazonDeveloperKeys');
        App::import('Model', 'AmazonProductServiceUrls');
        App::import('Model', 'AmazonSkuLists');
        $AmazonSkuLists = new AmazonSkuLists();
        App::import('Model', 'AmazonUsers');
        $AmazonUsers = new AmazonUsers();

        // -----
        // vars we needed for that user
    }
}

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// -----
$MarketplaceId = $MarketplaceID;
if($MerchantID==FALSE)
{
    //-----
    // if we don't have a MerchantID we get from logged in user
    //-----
    $MwsUser = $AmazonUsers->getUserFromMarketplaceIdForProductApi($MarketplaceId);
    if($MwsUser===FALSE)
    {
        $RetArr['0']['Error']['Message'] = 'This user does not have access to the
        Product Api.';
        $RetArr['0']['Error']['StatusCode'] = '400';
        return $RetArr;
    }
    else
    {
        $MwsAuthToken = $MwsUser['MwsAuthToken'];
        $MerchantId = $MwsUser['MerchantID'];
    }
}
else
{
    //-----
    // we have a MerchantID passed so we use it
    //-----
    $MerchantId = $MerchantID;
    $MwsAuthToken = $AmazonUsers->getMwsAuthTokenFromMerchantIdForProductApi(
    $MerchantID);
    if($MwsAuthToken===FALSE)
    {
        $RetArr['0']['Error']['Message'] = 'MerchantID '.$MerchantID.' does not
        have access to the Product Api.';
        $RetArr['0']['Error']['StatusCode'] = '400';
        return $RetArr;
    }
}
$AmazonProductServiceUrls = new AmazonProductServiceUrls();
$serviceUrl = $AmazonProductServiceUrls->getServiceUrlFromMarketplaceId(
$MarketplaceId);
// -----
// developer keys
// -----
$AmazonDeveloperKeys = new AmazonDeveloperKeys();
$Keys = $AmazonDeveloperKeys->GetKeysFromMarketplaceId($MarketplaceId);
$this->MwsAccessKeyId = $Keys['AmazonDeveloperKeys']['AWSAccessKeyId'];
$this->MwsSecretAccessKey = $Keys['AmazonDeveloperKeys']['SecretKey'];
// -----
// we load the client for a connection to Amazon
// -----
$client = new MarketplaceWebServiceProducts_Client(
    $this->MwsAccessKeyId,
    $this->MwsSecretAccessKey,

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        $this->MwsApplicationName,
        $this->MwsApplicationVersion,
        array (
            'ServiceURL' => $serviceUrl,
            'ProxyHost' => null,
            'ProxyPort' => -1,
            'ProxyUsername' => null,
            'ProxyPassword' => null,
            'MaxErrorRetry' => 3,
        )
    );
    // -----
    // parameters for the call to Amazon
    // -----
    $request = new
    MarketplaceWebServiceProducts_Model_GetLowestOfferListingsForASINRequest();
    $request->setSellerId($MerchantId);
    $request->setMWSAuthToken($MwsAuthToken);
    $request->setMarketplaceId($MarketplaceId);
    $asinList = new MarketplaceWebServiceProducts_Model_ASINListType();
    $asinList->setASIN($ASIN);
    $request->setASINList($asinList);
    try
    {
        // -----
        // We call Product Api
        // -----
        $response = $client->GetLowestOfferListingsForASIN($request);
        // -----
        // We convert response to an array
        // -----
        App::import('Model', 'AmazonProductApiUtils');
        $AmazonProductApiUtils = new AmazonProductApiUtils();
        $ResponseArray = $AmazonProductApiUtils->LowestOfferListingsResponseToArray(
            $response);
        return $ResponseArray;
    }
    catch (MarketplaceWebServiceProducts_Exception $ex)
    {
        $RetArr['0']['Error']['Exception'] = $ex->getMessage();
        $RetArr['0']['Error']['Message'] = $ex->getMessage();
        $RetArr['0']['Error']['StatusCode'] = $ex->getStatusCode();
        $RetArr['0']['Error']['ErrorCode'] = $ex->getErrorCode();
        $RetArr['0']['Error']['ErrorType'] = $ex->getErrorType();
        $RetArr['0']['Error']['RequestId'] = $ex->getRequestId();
        if ($ex->getStatusCode()=='400')
        {
            // -----
            // user does not have access
            // -----
            App::import('Model', 'AmazonUsers');
            $AmazonUsers = new AmazonUsers();
            $AmazonUsers->DisableProductApiAccessFromMerchantID($MerchantID);

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    }
    return $RetArr;
}

// -----
// CountCompetitiveOffersForASIN
// -----
function CountCompetitiveOffersForASIN($ASIN, $MarketplaceID, $ItemCondition,
$MerchantID)
{
$GetCompetitivePricingForASIN = $this->GetCompetitivePricingForASIN($ASIN,
$MarketplaceID, $MerchantID);
if(isset($GetCompetitivePricingForASIN['0']['status'])) {
    if($GetCompetitivePricingForASIN['0']['status']=='Success') {
        foreach($GetCompetitivePricingForASIN['0']['CompetitivePricing']['
'NumberOfOfferListings']['OfferListingCount'] as $OfferListingCount) {
            if($OfferListingCount['condition']=='Any') $Any=$OfferListingCount['value'];
            if($OfferListingCount['condition']=='New') $New=$OfferListingCount['value'];
        }
        if($ItemCondition=='New') {
            if($New>20) $New=20;
            return $New;
        } else {
            $Used = $Any-$New;
            if ($Used >20) $Used = 20;
            return $Used;
        }
    } else {
        // error returned from AS
        return FALSE;
    }
} else {
    // error from AZ
    return FALSE;
}

}

// -----
// GetCompetitivePricingForASIN
// -----
function GetCompetitivePricingForASIN($ASIN, $MarketplaceID, $MerchantID=FALSE)
{
// =====
// we need to build a cache here
// =====
    // -----
    // Amazon Mws Config
    // -----
    $this->MwsDateFormat = Configure::read('MWS_DATE_FORMAT');
    $this->MwsApplicationName = Configure::read('MWS_APPLICATION_NAME');

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$this->MwsApplicationVersion = Configure::read('MWS_APPLICATION_VERSION');
// -----
// add amazon vendor files to the path to fix includes
// -----
$path
    = "../Vendor/";
set_include_path(get_include_path() . PATH_SEPARATOR . $path);
// -----
// Some Models and Client Needed
// -----
App::import('Vendor', 'MarketplaceWebServiceProducts/Client');
App::import('Vendor', 'MarketplaceWebServiceProducts/Exception');
App::import('Vendor',
'MarketplaceWebServiceProducts/Model/GetCompetitivePricingForASINRequest');
App::import('Vendor', 'MarketplaceWebServiceProducts/Model/ASINListType');
App::import('Model', 'SystemUtils');
App::import('Model', 'AmazonDeveloperKeys');
App::import('Model', 'AmazonProductServiceUrls');
App::import('Model', 'AmazonSkuLists');
$AmazonSkuLists = new AmazonSkuLists();
App::import('Model', 'AmazonUsers');
$AmazonUsers = new AmazonUsers();

// -----
// vars we needed for that user
// -----
$MarketplaceId = $MarketplaceID;
if($MerchantID===FALSE)
{
    //-----
    // if we don't have a MerchantID we get from logged in user
    //-----
    $MwsUser = $AmazonUsers->getUserFromMarketplaceIdForProductApi($MarketplaceId);
    if($MwsUser===FALSE)
    {
        $RetArr['0']['Error']['Message'] = 'This user does not have access to the
        Product Api.';
        $RetArr['0']['Error']['StatusCode'] = '400';
        return $RetArr;
    }
    else
    {
        $MwsAuthToken = $MwsUser['MwsAuthToken'];
        $MerchantId = $MwsUser['MerchantID'];
    }
}
else
{
    //-----
    // we have a MerchantID passed so we use it
    //-----
    $MerchantId = $MerchantID;
    $MwsAuthToken = $AmazonUsers->getMwsAuthTokenFromMerchantIdForProductApi(
    $MerchantID);

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        if($MwsAuthToken==FALSE)
        {
            $RetArr['0']['Error']['Message'] = 'MerchantID '.$MerchantID.' does not
            have access to the Product Api.';
            $RetArr['0']['Error']['StatusCode'] = '400';
            return $RetArr;
        }
    }
    $AmazonProductServiceUrls = new AmazonProductServiceUrls();
    $serviceUrl = $AmazonProductServiceUrls->getServiceUrlFromMarketplaceId(
    $MarketplaceId);
    // -----
    // developer keys
    // -----
    $AmazonDeveloperKeys = new AmazonDeveloperKeys();
    $Keys = $AmazonDeveloperKeys->GetKeysFromMarketplaceId($MarketplaceId);
    $this->MwsAccessKeyId = $Keys['AmazonDeveloperKeys']['AWSAccessKeyID'];
    $this->MwsSecretAccessKey = $Keys['AmazonDeveloperKeys']['SecretKey'];
    // -----
    // we load the client for a connection to Amazon
    // -----
    $client = new MarketplaceWebServiceProducts_Client(
        $this->MwsAccessKeyId,
        $this->MwsSecretAccessKey,
        $this->MwsApplicationName,
        $this->MwsApplicationVersion,
        array (
            'ServiceURL' => $serviceUrl,
            'ProxyHost' => null,
            'ProxyPort' => -1,
            'ProxyUsername' => null,
            'ProxyPassword' => null,
            'MaxErrorRetry' => 3,
        )
    );
    // -----
    // parameters for the call to Amazon
    // -----
    $request = new
    MarketplaceWebServiceProducts_Model_GetCompetitivePricingForASINRequest();
    $request->setSellerId($MerchantId);
    $request->setMWSAuthToken($MwsAuthToken);
    $request->setMarketplaceId($MarketplaceId);
    $asinList = new MarketplaceWebServiceProducts_Model_ASINListType();
    $asinList->setASIN($ASIN);
    $request->setASINList($asinList);
    try
    {
        // -----
        // We call Product Api
        // -----
        $response = $client->GetCompetitivePricingForASIN($request);
        // -----
    }

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// We convert response to an array
// -----
App::import('Model', 'AmazonProductApiUtils');
$AmazonProductApiUtils = new AmazonProductApiUtils();
$responseArray = $AmazonProductApiUtils->CompetitivePricingResponseToArray(
    $response);
return $responseArray;
}
catch (MarketplaceWebServiceProducts_Exception $ex)
{
    $RetArr['0']['Error']['Exception'] = $ex->getMessage();
    $RetArr['0']['Error']['Message'] = $ex->getMessage();
    $RetArr['0']['Error']['StatusCode'] = $ex->getStatusCode();
    $RetArr['0']['Error']['ErrorCode'] = $ex->getErrorCode();
    $RetArr['0']['Error']['ErrorType'] = $ex->getErrorType();
    $RetArr['0']['Error']['RequestId'] = $ex->getRequestId();
    if ($ex->getStatusCode()=='400')
    {
        // -----
        // user does not have access
        // -----
        App::import('Model', 'AmazonUsers');
        $AmazonUsers = new AmazonUsers();
        $AmazonUsers->DisableProductApiAccessFromMerchantID($MerchantID);
    }
    return $RetArr;
}
}

// -----
// getMatchingProductFromASIN for logged in user
// Date: 13-February-2015
// Author: Lynn K. Patricia
// -----
function getMatchingProductFromASIN($ASIN, $MarketplaceID, $MerchantID=FALSE)
{
    // -----
    // Amazon Mws Config
    // -----
    $this->MwsDateFormat = Configure::read('MWS_DATE_FORMAT');
    $this->MwsApplicationName = Configure::read('MWS_APPLICATION_NAME');
    $this->MwsApplicationVersion = Configure::read('MWS_APPLICATION_VERSION');
    // -----
    // add amazon vendor files to the path to fix includes
    // -----
    $path = "../Vendor/";
    set_include_path(get_include_path() . PATH_SEPARATOR . $path);
    // -----
    // Some Models and Client Needed
    // -----
    App::import('Vendor', 'MarketplaceWebServiceProducts/Client');
    App::import('Vendor', 'MarketplaceWebServiceProducts/Exception');
    App::import('Vendor',

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'MarketplaceWebServiceProducts/Model/GetMatchingProductRequest');
App::import('Vendor', 'MarketplaceWebServiceProducts/Model/ASINListType');
App::import('Model', 'SystemUtils');
App::import('Model', 'AmazonDeveloperKeys');
App::import('Model', 'AmazonProductServiceUrls');
App::import('Model', 'AmazonSkuLists');
$AmazonSkuLists = new AmazonSkuLists();
App::import('Model', 'AmazonUsers');
$AmazonUsers = new AmazonUsers();

// -----
// vars we needed for that user
// -----
// $ASIN = $AmazonSkuLists[$i][$asin1];
// $MarketplaceId = $AmazonSkuLists[$MarketplaceID];
$MarketplaceId = $MarketplaceID;
if($MerchantID==FALSE) {
    $MwsUser = $AmazonUsers->getUserFromMarketplaceId($MarketplaceId);
} else {
    $MwsUser = $AmazonUsers->getUserFromMarketplaceId($MarketplaceId,
    $MerchantID);
}
$MwsAuthToken = $MwsUser['MwsAuthToken'];
$MerchantId = $MwsUser['MerchantID'];
$AmazonProductServiceUrls = new AmazonProductServiceUrls();
$serviceUrl = $AmazonProductServiceUrls->getServiceUrlFromMarketplaceId(
$MarketplaceId);
// -----
// developer keys
// -----
$AmazonDeveloperKeys = new AmazonDeveloperKeys();
$Keys = $AmazonDeveloperKeys->GetKeysFromMarketplaceId($MarketplaceId);
$this->MwsAccessKeyId = $Keys['AmazonDeveloperKeys']['AWSAccessKeyId'];
$this->MwsSecretAccessKey = $Keys['AmazonDeveloperKeys']['SecretKey'];
// -----
// we load the client for a connection to Amazon
// -----
$client = new MarketplaceWebServiceProducts_Client(
    $this->MwsAccessKeyId,
    $this->MwsSecretAccessKey,
    $this->MwsApplicationName,
    $this->MwsApplicationVersion,
    array (
        'ServiceURL' => $serviceUrl,
        'ProxyHost' => null,
        'ProxyPort' => -1,
        'ProxyUsername' => null,
        'ProxyPassword' => null,
        'MaxErrorRetry' => 3,
    )
);
// -----
// parameters for the call to Amazon

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// -----
$request = new MarketplaceWebServiceProducts_Model_GetMatchingProductRequest();
$request->setSellerId($MerchantId);
$request->setMWSAuthToken($MwsAuthToken);
$request->setMarketplaceId($MarketplaceId);
$asinList = new MarketplaceWebServiceProducts_Model_ASINListType();
$asinList->setASIN($ASIN);
$request->setASINList($asinList);

try {
    // -----
    // We call Product Api
    // -----
    $response = $client->GetMatchingProduct($request);
    // -----
    // We convert response to an array
    // -----
    $SystemUtils = new SystemUtils();
    $ResponseArray = $SystemUtils->ProductResponseToArray($response);
    $this->updateOrInsertTablesFromGetMatchingProductFromAsin($ResponseArray);
    return $ResponseArray;
} catch (MarketplaceWebServiceProducts_Exception $ex){
    echo("Caught Exception: " . $ex->getMessage() . "\n<BR>");
    echo("Response Status Code: " . $ex->getStatusCode() . "\n<BR>");
    echo("Error Code: " . $ex->getErrorCode() . "\n<BR>");
    echo("Error Type: " . $ex->getErrorType() . "\n<BR>");
    echo("Request ID: " . $ex->getRequestId() . "\n<BR>");
    echo("XML: " . $ex->getXML() . "\n<BR>");
    echo("ResponseHeaderMetadata: " . $ex->getResponseHeaderMetadata() . "\n<BR>");
    return $ex;
}

}

//-----
// FUNCTION to update/insert product data from Amazon API call
//-----
function updateOrInsertTablesFromGetMatchingProductFromAsin($data) {
    foreach($data as $product){
        //-----
        // update amazon_asin_details table
        //-----
        App::import('Model', 'AmazonAsinDetails');
        $AmazonAsinDetails = new AmazonAsinDetails();
        $AmazonAsinDetails->UpdateOrInsertDataFromProductArray($product);
        //-----
        // update or insert amazon_asin_sales_ranks table
        //-----
        App::import('Model', 'AmazonAsinSalesRanks');
        $AmazonAsinSalesRanks = new AmazonAsinSalesRanks();
        $AmazonAsinSalesRanks->UpdateOrInsertDataFromProductArray($product);
    }
}

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//-----
// FUNCTION to update/insert parentASIN data from Amazon API call
//-----
function updateOrInsertTablesFromGetMatchingProductForIdFromAsin($data) {
    foreach($data as $product){
        //-----
        // update amazon_asin_parents table
        //-----
        App::import('Model', 'AmazonAsinParents');
        $AmazonAsinParents = new AmazonAsinParents();
        $AmazonAsinParents->UpdateOrInsertDataFromProductArray($product);
    }
}
```

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// -----
// get SalesRank of parentASIN: getMatchingProductForId for logged in user
// Date: 13-February-2015
// Author: Lynn K. Patricia
// -----
```

```
function getMatchingProductForIdFromASIN($ASIN, $MarketplaceID, $MerchantID=FALSE)
{
    // -----
    // Amazon Mws Config
    // -----
    $this->MwsDateFormat = Configure::read('MWS_DATE_FORMAT');
    $this->MwsApplicationName = Configure::read('MWS_APPLICATION_NAME');
    $this->MwsApplicationVersion = Configure::read('MWS_APPLICATION_VERSION');
    // -----
    // add amazon vendor files to the path to fix includes
    // -----
    $path = "../Vendor/";
    set_include_path(get_include_path() . PATH_SEPARATOR . $path);
    // -----
    // Some Models and Client Needed
    // -----
    App::import('Vendor', 'MarketplaceWebServiceProducts/Client');
    App::import('Vendor', 'MarketplaceWebServiceProducts/Exception');
    App::import('Vendor',
        'MarketplaceWebServiceProducts/Model/GetMatchingProductForIdRequest');
    // we do not need ASINListType but now we do need Id List
    //App::import('Vendor', 'MarketplaceWebServiceProducts/Model/ASINListType');
    App::import('Vendor', 'MarketplaceWebServiceProducts/Model/IdListType');
    App::import('Vendor',
        'MarketplaceWebServiceProducts/Model/GetMatchingProductForIdResponse');
    App::import('Vendor', 'MarketplaceWebServiceProducts/Model/ASINListType');
    App::import('Model', 'SystemUtils');
    App::import('Model', 'AmazonDeveloperKeys');
    App::import('Model', 'AmazonProductServiceUrls');
    App::import('Model', 'AmazonSkuLists');
    $AmazonSkuLists = new AmazonSkuLists();
}
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App::import('Model', 'AmazonUsers');
$AmazonUsers = new AmazonUsers();

// -----
// vars we needed for that user
// -----
// $ASIN = $AmazonSkuLists[$i][$asin1];
// $MarketplaceId = $AmazonSkuLists[$MarketplaceID];
$MarketplaceId = $MarketplaceID;
if($MerchantID===FALSE) {
    $MwsUser = $AmazonUsers->getUserFromMarketplaceId($MarketplaceId);
} else {
    $MwsUser = $AmazonUsers->getUserFromMarketplaceId($MarketplaceId,$MerchantID);
}
$MwsAuthToken = $MwsUser['MwsAuthToken'];
$MerchantId = $MwsUser['MerchantID'];
$AmazonProductServiceUrls = new AmazonProductServiceUrls();
$serviceUrl = $AmazonProductServiceUrls->getServiceUrlFromMarketplaceId($MarketplaceId);
// -----
// developer keys
// -----
$AmazonDeveloperKeys = new AmazonDeveloperKeys();
$Keys = $AmazonDeveloperKeys->GetKeysFromMarketplaceId($MarketplaceId);
$this->MwsAccessKeyId = $Keys['AmazonDeveloperKeys']['AWSAccessKeyId'];
$this->MwsSecretAccessKey = $Keys['AmazonDeveloperKeys']['SecretKey'];
// -----
// we load the client for a connection to Amazon
// -----
$client = new MarketplaceWebServiceProducts_Client(
    $this->MwsAccessKeyId,
    $this->MwsSecretAccessKey,
    $this->MwsApplicationName,
    $this->MwsApplicationVersion,
    array (
        'ServiceURL' => $serviceUrl,
        'ProxyHost' => null,
        'ProxyPort' => -1,
        'ProxyUsername' => null,
        'ProxyPassword' => null,
        'MaxErrorRetry' => 3,
    )
);
// -----
// parameters for the call to Amazon
// -----
$request = new MarketplaceWebServiceProducts_Model_GetMatchingProductForIdRequest();
$request->setSellerId($MerchantId);
$request->setMWSAuthToken($MwsAuthToken);
$request->setMarketplaceId($MarketplaceId);
$asinList = new MarketplaceWebServiceProducts_Model_ASINListType();
$asinList->setASIN($ASIN);
// $request->setASINList($asinList);
$request->setIdType('ASIN');

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$Idlist = new MarketplaceWebServiceProducts_Model_IdListType();
$Idlist->setId($ASIN);
$request->SetIdList($Idlist);

try
{
    // -----
    // We call Product Api
    // -----
    $response = $client->GetMatchingProductForId($request);
    // -----
    // We convert response to an array
    // -----
    $SystemUtils = new SystemUtils();
    // you need to make anoter function for here
    //$ResponseArray = $SystemUtils->ProductResponseToArray($response);
    $ResponseArray = $SystemUtils->GetMatchingProductForIdResponseToArray($response);
    $this->updateOrInsertTablesFromGetMatchingProductForIdFromAsin($ResponseArray);
    return $ResponseArray;
}
catch (MarketplaceWebServiceProducts_Exception $ex)
{
    echo("Caught Exception: " . $ex->getMessage() . "\n<BR>");
    echo("Response Status Code: " . $ex->getStatusCode() . "\n<BR>");
    echo("Error Code: " . $ex->getErrorCode() . "\n<BR>");
    echo("Error Type: " . $ex->getErrorType() . "\n<BR>");
    echo("Request ID: " . $ex->getRequestId() . "\n<BR>");
    echo("XML: " . $ex->getXML() . "\n<BR>");
    echo("ResponseHeaderMetadata: " . $ex->getResponseHeaderMetadata() . "\n<BR>");
    return $ex;
}

// -----
// Validate new account registration works
// -----
function ValidateAccountRegistration ($data) {
    try {
        $message = $this->ValidateAmazonAccountRegistration(
            'Blah', $data['MarketplaceID'], $data['MerchantID'],
            $data['MwsAuthToken']);

        if($message == 'success'){
            return 'success';
        }
        else{
            return "<div class='warning-message flash
            notice'>$message</div>";
        }
    }
    catch (Exception $e) {
        $returnArray = array( // creating an array to log msg

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        'Ack' => 'Error',
        'ErrorCode' => '30',
        'Message' => $e->getMessage(),
        'TraceOfException' => $e->queryString,
        'RowId' => 'Table:- amazon_condition'
    );
    // we log the error
    App::import('Model', 'SystemErrorLog');
    $SystemErrorLog = new SystemErrorLog();
    $SystemErrorLog->writeLog($returnArray);
    return $returnArray;
}

    //*****
    //function for amazon api connection attempt
    //*****
    function ValidateAmazonAccountRegistration($ASIN, $MarketplaceID, $MerchantID,
    $MwsAuthToken) {
        // -----
        // Amazon Mws Config
        // -----
        $this->MwsDateFormat = Configure::read('MWS_DATE_FORMAT');
        $this->MwsApplicationName = Configure::read('MWS_APPLICATION_NAME');
        $this->MwsApplicationVersion = Configure::read('MWS_APPLICATION_VERSION');

        // -----
        // add amazon vendor files to the path to fix includes
        // -----
        $path
            = "../Vendor/";
        set_include_path(get_include_path() . PATH_SEPARATOR . $path);
        // -----
        // Some Models and Client Needed
        // -----
        App::import('Vendor', 'MarketplaceWebServiceProducts/Client');
        App::import('Vendor', 'MarketplaceWebServiceProducts/Exception');
        App::import('Vendor',
            'MarketplaceWebServiceProducts/Model/GetMatchingProductRequest');
        App::import('Vendor', 'MarketplaceWebServiceProducts/Model/ASINListType');
        App::import('Model', 'SystemUtils');
        App::import('Model', 'AmazonDeveloperKeys');
        App::import('Model', 'AmazonProductServiceUrls');
        App::import('Model', 'AmazonUsers');
        $AmazonUsers = new AmazonUsers();

        // -----
        // vars we needed for that user
        // -----
        //$ASIN = $AmazonSkuLists[$i][$asin1];
        //$MarketplaceId = $AmazonSkuLists[$MarketplaceID];
        $MarketplaceId = $MarketplaceID;
        //$MwsAuthToken = $MwsAuthToken;
        $MerchantId = $MerchantID;
        $AmazonProductServiceUrls = new AmazonProductServiceUrls();

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$serviceUrl = $AmazonProductServiceUrls->getServiceUrlFromMarketplaceId(
$MarketplaceId);

// -----
// developer keys
// -----
$AmazonDeveloperKeys = new AmazonDeveloperKeys();
$Keys = $AmazonDeveloperKeys->GetKeysFromMarketplaceId($MarketplaceId);
$this->MwsAccessKeyId = $Keys['AmazonDeveloperKeys']['AWSAccessKeyId'];
$this->MwsSecretAccessKey = $Keys['AmazonDeveloperKeys']['SecretKey'];
// -----
// we load the client for a connection to Amazon
// -----
$client = new MarketplaceWebServiceProducts_Client(
    $this->MwsAccessKeyId,
    $this->MwsSecretAccessKey,
    $this->MwsApplicationName,
    $this->MwsApplicationVersion,
    array (
        'ServiceURL' => $serviceUrl,
        'ProxyHost' => null,
        'ProxyPort' => -1,
        'ProxyUsername' => null,
        'ProxyPassword' => null,
        'MaxErrorRetry' => 3,
    )
);

// -----
// parameters for the call to Amazon
// -----
$request = new MarketplaceWebServiceProducts_Model_GetMatchingProductRequest();
$request->setSellerId($MerchantId);
$request->setMWSAuthToken($MwsAuthToken);
$request->setMarketplaceId($MarketplaceId);
$asinList = new MarketplaceWebServiceProducts_Model_ASINListType();
$asinList->setASIN($ASIN);
$request->setASINList($asinList);

try {
    // -----
    // We call Product Api and return success
    // -----
    $response = $client->GetMatchingProduct($request);

    $success = 'success';
    return $success; //amzn.mws.7aa5dc56-a12f-5935-46ec-e0b209ec69ba
    AGGS1A2RJWBZ

} catch (MarketplaceWebServiceProducts_Exception $ex){
    // -----
    // We call Product Api and return error message if it does not connect
    // -----
    $errorMessage = $ex->getMessage();

```

```
        return $errorMessage;  
    }  
}  
?  
?>
```