JavaScript Controllers QuickCard

Import an Object

```
var ISML = require('dw/template/ISML');
var guard = require('storefront_controllers/cartridge/scripts/guard');
```

Function Declaration and Exposure

```
function start() {
}
exports.Start = guard.ensure([ 'get'], start);
exports.Start = guard.ensure([ 'get', 'https', 'loggedIn' ], start);
```

Dealing with Query Parameters

```
    var parameterId = request.httpParameterMap.pid.stringValue
```

Handling Forms

```
    /* assuming forms/default/preferences.xml is the metadata */
var preferencesForm = session.forms.preferences;
preferencesForm.clearFormElement();
preferencesForm.copyFrom(customer.profile);
preferencesForm.copyTo(customer.profile);
preferencesForm.interestElectronics.value;
preferencesForm.invalidateFormElement();
```

Giving Control to ISML (Equivalent of Interaction node)

```
ISML.renderTemplate(
        'productnotfound.isml',
            {
             message:'product'+parameterId+'found'
            }
        );
```

Displaying a Form (Equivalent of ICN node)

```
ISML.renderTemplate(
    'editpreferences.isml',
        {
            ContinueURL : dw.web.URLUtils.https('JEditPreferences-
            HandleForm')
        }
);
```

Submit Button

```
 var submitButton = request.triggeredFormAction.formId;
```

Writing to Browser Directly

```
response.getWriter().println("Hello from controllers");
```

Explicit Transactions

```
 var Transaction = require('dw/system/Transaction);
 Transaction.begin();
 Transaction.commit();
 Transaction.rollback();
```

Redirecting to Another Pipeline

```
var URLUtils = require('dw/web/URLUtils');
response.redirect(URLUtils.https('Account-Show'));
```

Invoking a Script (js or ds)

```
var myModel = require('~/cartridge/scripts/MyModel');
var co = myModel.doJobForMe(takeThisObject);
```

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