



# 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', 'https'], start);
```

## Dealing with Query Parameters

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

## Writing to Browser Directly

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

## 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.<formelement>.invalidateFormElement();
```

## Giving Control to ISML (Equivalent of Interaction node)

```
ISML.renderTemplate('productnotfound.isml',{  
    Parameter:parameterId  
});
```

## Displaying a Form (Equivalent of ICN node)

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

## Submit Button

```
var submitButton = request.triggeredFormAction;  
if (submitButton && submitButton.formId == '<formaction>')...
```

## Transaction Handling

```
var Transaction = require('dw/system/Transaction');  
Transaction.begin();  
Transaction.commit();  
Transaction.rollback();  
Transaction.wrap(function(){  
    // implicit transaction  
});
```

## Redirecting to Another Controller / Pipeline

```
response.redirect(dw.web.URLUtils.https('Account-Show'));
```

## Invoking a Script (js or ds)

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