

Technology Enthusiast

SAPUI5 for ABAPer's - Session 1 Solution

Step 1

Basic page

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Invoice Report SAPUI5 App</title>
</head>
<body>
  <div>Invoice Report</div>
</body>
</html>
```

Step 2

Bootstrapping our SAPUI5 library.

Themes available `sap_fiori_3_dark`, `sap_fiori_3`, `sap_belize`, `sap_belize_plus`, `sap_fiori_3_hcw`, and `sap_fiori_3_hcb`

```
<script
  id="sap-ui-bootstrap"
  src="https://openui5.hana.ondemand.com/resources/sap-ui-core.js"
  data-sap-ui-theme="sap_belize"
  data-sap-ui-libs="sap.m"
  data-sap-ui-compatVersion="edge"
  data-sap-ui-async="true"
  data-sap-ui-onInit="module:search/PO/index"
  data-sap-ui-resourceroots='{
    "search.Invoice": "."
  }'>

</script>
```

Create an `index.js` file

```
sap.ui.define([

], function () {
  "use strict";

  alert("I am loaded");
});
```

Step 3

lets add div for body contents and remove div in body tag

```
<body class="sapUiBody" id="content">
</body>
```

change `index.js` to

```

sap.ui.define([
    "sap/m/Text"
], function (Text) {
    "use strict";

    new Text({
        text: "Invoice Report"
    }).placeAt("content");
});

```

Step 4

Create a new view folder in our app and a new file for our XML view inside the app folder

```

<mvc:View
    xmlns="sap.m"
    xmlns:mvc="sap.ui.core.mvc"
    xmlns:html="http://www.w3.org/1999/xhtml">
    <html:style>
        .bluetext {
            color: blue;
        }
    </html:style>
    <Text class="bluetext" text="Invoice Report"/>
    <Input placeholder="Invoice Type"/>
    <Input placeholder="Invoice Number"/>
    <Input placeholder="Company Code"/>
</mvc:View>

```

Lets now call this view via our index.js file rather than creating control der

```

sap.ui.define([
    "sap/ui/core/mvc/XMLView"
], function (XMLView) {
    "use strict";

    XMLView.create({
        viewName: "search.Invoice.view.App"
    }).then(function (oView) {
        oView.placeAt("content");
    });
});

```

Step 5

Lets add a button also for search!

```

<mvc:View
    controllerName="search.Invoice.controller.App"
    xmlns="sap.m"
    xmlns:mvc="sap.ui.core.mvc">
    <Text class="bluetext" text="Invoice Report"/>
    <Input placeholder="Invoice Type"/>
    <Input placeholder="Invoice Number"/>
    <Input placeholder="Company Code"/>
    <Button
        text="Search Invoices"
        press=".onSearchPO"/>
</mvc:View>

```

create a folder controller in main and inside it file App.controller.js

```

sap.ui.define([
    "sap/ui/core/mvc/Controller"
], function (Controller) {
    "use strict";
    return Controller.extend("search.Invoice.controller.App", {
        onSearchPO : function () {

            alert("Searching Invoice's");

        }
    });
});

```

Step 6

Rather than alert lets use some SAPUI5 control

```

sap.ui.define([
    "sap/ui/core/mvc/Controller",
    "sap/m/MessageToast"
], function (Controller, MessageToast) {
    "use strict";
    return Controller.extend("search.Invoice.controller.App", {
        onSearchPO : function () {

            MessageToast.show("Searching Invoice's");

        }
    });
});

```