Components of a SAP Fiori Approval App

Client

SAP UI5 Approval Applications

- Approval UILIB
- Common UILIB

SAP UI5

SAP NetWeaver Gateway

SAP NetWeaver Gateway

Process Gateway

Backend Systems

SAP Business Suite

NetWeaver BPM

3rd Party

Scenario ID
Technical Names of SAP Fiori Approval Apps

SAPUI5 Web Apps are commonly hosted as Business Server Page Applications.

Hint: Use transaction **SICF** to find the technical name.
Path: `<default host> → sap → bc → ui5_ui5 → sap`

<table>
<thead>
<tr>
<th>Approval App</th>
<th>BSP Application Name</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leave Request Approval</td>
<td>UI5_HCM_LR_APV</td>
<td>UIHCM003</td>
</tr>
<tr>
<td>Purchase Order Approval</td>
<td>UI5_MM_PO_APV</td>
<td>UIAPP002</td>
</tr>
<tr>
<td>Purchase Requisition Approval</td>
<td>UI5_MM_PR_APV</td>
<td>UIAPP001</td>
</tr>
<tr>
<td>Approve Requests</td>
<td>UI5_CA_ALL_APV</td>
<td>UIGIB001</td>
</tr>
<tr>
<td>Shopping Card Approval</td>
<td>UI5_SRM_SC_APV</td>
<td>UISRM001</td>
</tr>
</tbody>
</table>
SAP Fiori Approval Application

Approve Requests

Requests (7)

<table>
<thead>
<tr>
<th>Request</th>
<th>Days Ago</th>
<th>Priority</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capital Expenditure Request</td>
<td>4 days ago</td>
<td>Medium</td>
</tr>
<tr>
<td>Workflow System</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capital Expenditure Request</td>
<td>5 days ago</td>
<td>Medium</td>
</tr>
<tr>
<td>Workflow System</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capital Expenditure Request</td>
<td>6 days ago</td>
<td>Medium</td>
</tr>
<tr>
<td>TVB 81005</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capital Expenditure Request</td>
<td>17 days ago</td>
<td>Very High</td>
</tr>
<tr>
<td>Workflow System</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capital Expenditure Request</td>
<td>19 days ago</td>
<td>Medium</td>
</tr>
<tr>
<td>Workflow System</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Capital Expenditure Request

Workflow System

4 days ago
Medium

Description: Capital Expenditure request 44553 needs your approval. Please review the attached documents.

Disclaimer: This is an example of a Customer Built workflow for Capital Expenditure. Link to SAP Fiori: https://help.sap.com/fiori SAP Fiori apps provide a simple, intuitive user experience across the most frequently used business transactions. The consistent and responsive design allows users to seamlessly experience the apps across interaction channels – desktop, tablet, mobile – as they accomplish their tasks quickly and easily.
SAP Fiori Approval Application

Application

Approve Requests

Requests (7) | Capital Expenditure Request
--- | ---
Capital Expenditure Request | 4 days ago Medium
Workflow System
Capital Expenditure Request | 5 days ago Medium
 Workflow System
Capital Expenditure Request | 6 days ago Medium
 16 days left
 16 days left
Workflow System
Capital Expenditure Request | 17 days ago Very High
Workflow System
Capital Expenditure Request | 19 days ago Medium
 20 days left
Kay-Uwe Muller

Capital Expenditure Request

Description: Capital Expenditure request 44553 needs your approval. Please review the attached documents. Disclaimer: This is an example of a Customer-Built workflow for Capital Expenditure. Link to SAP Fiori: https://help.sap.com/fiori SAP Fiori apps provide a simple, intuitive user experience across the most frequently used business transactions. The consistent and responsive design allows users to seamlessly experience the apps across interaction channels – desktop, tablet, mobile – as they accomplish their tasks quickly and easily.
SAP Fiori Approval Application

Approval Request

- Capital Expenditure Request
  - Workflow System
  - 4 days ago
  - Medium

- Capital Expenditure Request
  - 5 days ago
  - Medium

- Capital Expenditure Request
  - 6 days ago
  - Medium

- Capital Expenditure Request
  - 17 days ago
  - Very High

- Capital Expenditure Request
  - 19 days ago
  - Medium

Description: Capital Expenditure request 44553 needs your approval. Please review the attached documents. Disclaimer: This is an example of Customer Built workflow for Capital Expenditure.

Link to SAP Fiori: https://help.sap.com/fiori

SAP Fiori apps provide a simple, intuitive user experience across the most frequently used business transactions. The consistent and responsive design allows users to seamlessly experience the apps across interaction channels – desktop, tablet, mobile – as they accomplish their tasks quickly and easily.
SAP Fiori Approval Application

Application

Application Library

Cross Application Library (StartUp, Skeleton, Navigation)
Approval App Components – Application

- Is the starting point for your application
- Contains also the view definition (including context binding) of the list,
- Consumes the Application library in the detail section
- Contains application specific CSS

```
webapp
  css
    style.css
    index.html
  Main.controller.js
  Main.view.html
  MainDetail.view.html
view
  List.controller.js
  List.view.html
  WEB-INF
```
Approval App Components – Application Library

- Includes all application-specific view definitions of the detail area
- Storage for I18N files and images
- Contains application-specific formatters
- Initializes the skeleton
- Handles skeleton callbacks
Approval App Components – Application Library Views

Contains all application specific views/view pieces(components)
contains all application specific formatters
Application Library *i18n/images*

Contains all application specific texts/images
Application Library *Component.js - skeleton*

- Initializes the skeleton, important parameter are

  ```
  sScenario : "DEMO_GMICAPEX",
  sStartView : "Detail",
  fUrlResolve : sap.ca.workflow.approve.uilib.Component.UrlResolve,
  fViewStarted : sap.ca.workflow.approve.uilib.Component.ViewStarted,
  oListSorter : new sap.ui.model.Sorter("CreatedOn", true),
  aIdentificationFields : ["InstanceID"],
  bSuppressForward : true
  ```

  ....(other parameter, callback possibilities exists)

*be aware that design changes are possible 😊*
Cross Application Library

Contains different generic content:

- skeleton
- navigation
- bootstrap

Contains also reusable views (businessCard, Forwarding Dialog, busy indicators, messages, ...)

![Cross Application Library Diagram]
## Application Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>backToHome=true</td>
<td>Shows Home icon, which triggers a navigation back (e.g. used in landing page)</td>
</tr>
<tr>
<td>scenarioid=XYZ</td>
<td>Specifies a scenarioid, which is base for the data selection, if no one is defined the default id defined in the application coding will be used</td>
</tr>
<tr>
<td>itemId=001233</td>
<td>Deep Linking, hides list and shows only the detail screen, also scenarioid is relevant here, when the item belongs to a special scenarioXYZ</td>
</tr>
<tr>
<td>selectedItemId=00012345</td>
<td>Soft Deep Linking, runs as usual, just preselect the given item, also scenarioid is relevant here, when the item belongs to a special scenarioXYZ</td>
</tr>
<tr>
<td>origin=SAP_ALIAS</td>
<td>Is obligatory for deep linking when the scenario is multi origin enabled, If there is only one ERP involved, the origin is not required</td>
</tr>
</tbody>
</table>