With SAP Cloud Platform Workflow, we can create user interfaces for workflows, with user interfaces, user can access the workflow tasks in INBOXES and START WORKFLOW.

In this article, I will be talking about, how to create Custom User Task UI using Environment (Cloud Foundry and Business Application Studio (aka BAS))

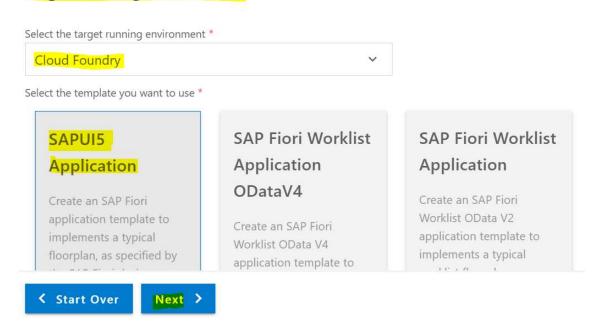
In BAS open your workspace, projects folder. Create a Fiori Project with HTML5 module that contains, custom task UI.

Step 1: From Select Template and Target Location, select <u>SAP Fiori Freestyle Project</u> and click on Start

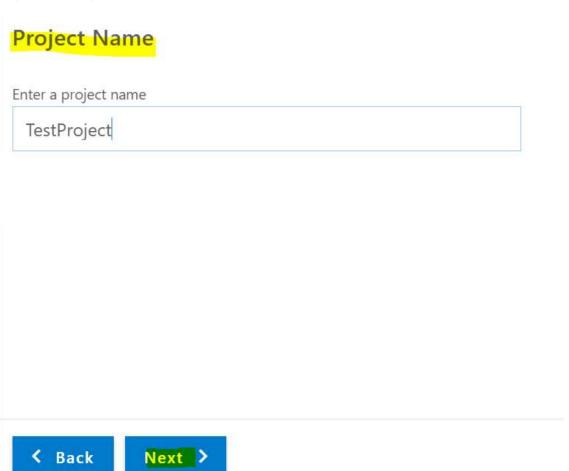
### Select Template and Target Location Select the template that best fits the type of application you want to develop. The template will be generated in the folder specified below and it will contain the relevant files and configurations that will help you create a project quickly and easily. Specify a target folder path (?) \* /home/user/projects Templates (?) \* Adaptation **Basic Multitarget** SAP Fiori **Application** Freestyle Project Project Create a project for Allows you to accelerate Adaptation Project Start >

Step 2: Select Target Running Environment – Cloud Foundry, Template – SAP UI5 Application and click on Next

#### **Target Running Environment**



Step 3: Enter Project Name and click on Next



Step 4: Select Approuter as "Approuter Managed by SAP Cloud Platform" and enter a name "for Business Solution of the Project" and Click on Next

# **Approuter Configuration**

Select your HTML5 application runtime \*

## Approuter Managed by SAP Cloud Platform



Enter a unique name for the business solution of the project ?

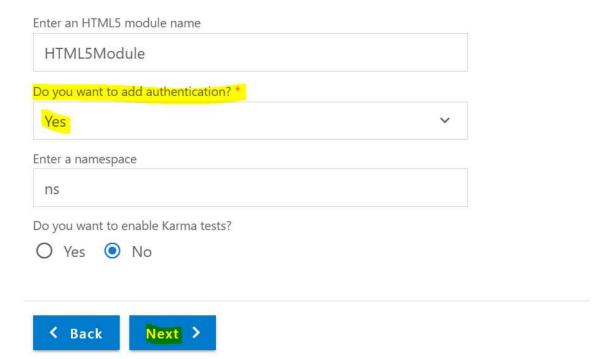
TestProjectAppRouter



#### Step 5: Enter following details

- HTML5 Module Name
- Add Authentication (Note: You should select "Yes")
- Enter Namespace
- Do you want to enable Karma Tests (Note: Leave as prefilled values)
- Click on Next

### **Basic Attributes**



#### Step 6:

Enter View Name, and add Data Service as per your requirement and click on Next

#### View Name

Enter a view name

View1

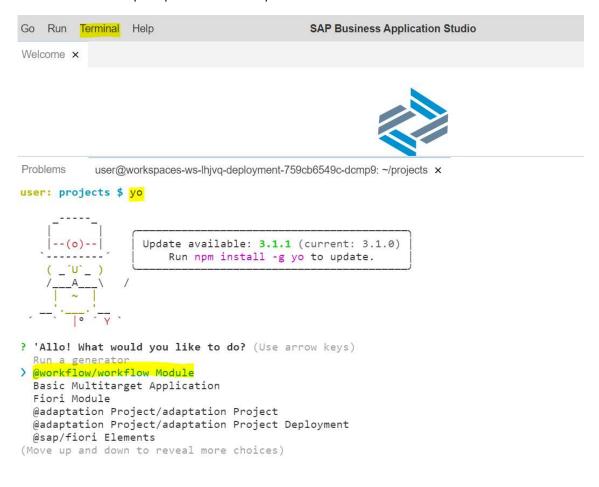
Do you want to add a data service? \*

No



Step 7: To Create Workflow Module, Go to Terminal Menu >> New Terminal and execute "yo" command and select "@workflow/workflow Module"

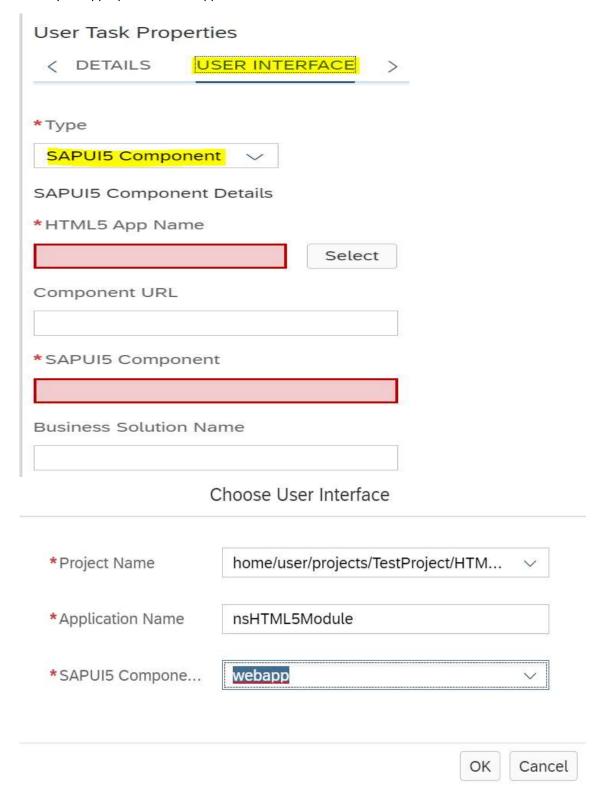
Please follow the steps as per workflow template and create a workflow



Step 8: Once Workflow is created in Step 7, and User Task, to create Custom UI (SAP UI5 Application)



Step 9: Go to User Task Properties, Go to User Interface Tab and select SAP UI5 Component and select your appropriate HTML5 application



# **User Task Properties** USER INTERFACE < DETAILS \*Type SAPUI5 Component SAPUI5 Component Details \*HTML5 App Name nsHTML5Module Select Component URL \*SAPUI5 Component ns.HTML5Module **Business Solution Name** TestProjectAppRouter

Step 10: We have successfully created workflow in Step 9.

# Please Note Step 10, is crucial step to successfully run the Custom UI from Workflow

Change the scope of Destination Module

- Navigate to newly created Fiori Project and open mta.yaml file
- Search for destination module "destination-content" suffix
- Change the scope of the destination by replacing "instance" with "subaccount" for the content parameter of the module

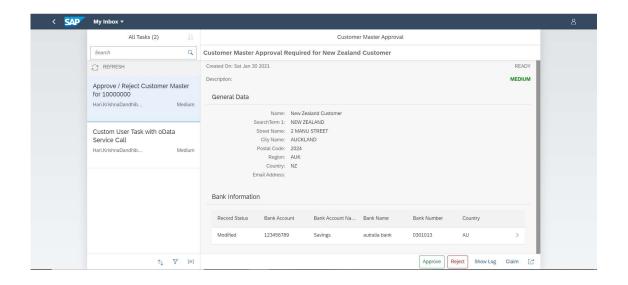
```
parameters:
    content:
    instance:
    destinations:
        - Name: TestProjectAppRouter_TestProject_html_repo_host
        ServiceInstanceName: TestProject-html5-app-host-service
        ServiceKeyName: TestProject_html_repo_host-key
        sap.cloud.service: TestProjectAppRouter
        - Authentication: OAUth2UserTokenExchange
        Name: TestProjectAppRouter_ua_TestProject
        ServiceInstanceName: TestProject-xsuaa-service
        ServiceKeyName: uaa_TestProject-key
        sap.cloud.service: TestProjectAppRouter
        sap.cloud.service: TestProject-key
        sap.cloud.service: TestProjectAppRouter
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```

Before Screenshot



After Screenshot

Step 11: Example Output of Custom UI



Step 12: Summary.

Important steps to remember, while creating Custom UI

- 1. Step 4 Approuter Configuration (Approuter Managed by SAP Cloud Platform)
- 2. Step 5 Add Authentication (as Yes)
- 3. Step 10 Change of scope of Destination