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# openSAP course Build Your Own SAP Fiori App in the Cloud – 2016 Edition

## Accounts Payable App

### Story:

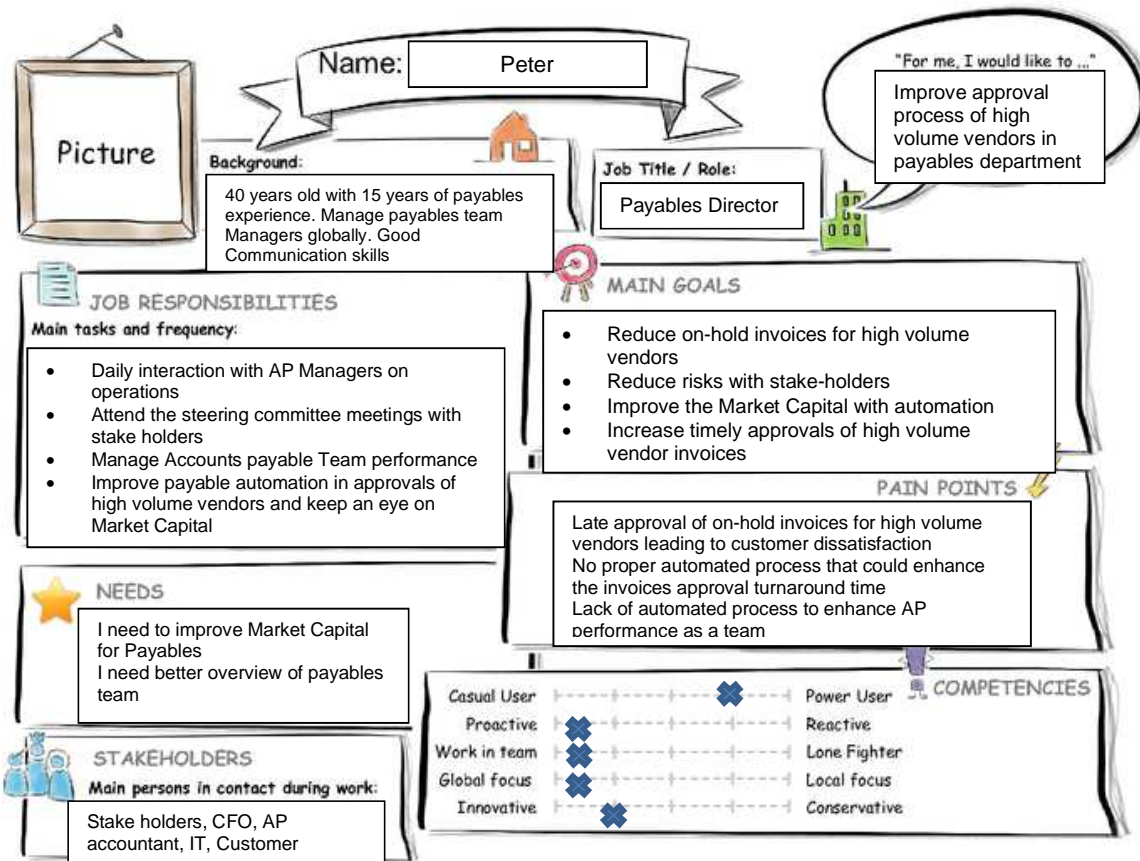
Accounts Payable Director has quite a challenge with Market Capital due to pending invoices approvals. Timely approvals of the high volume vendors are very important for any company. Year end closing of the books on a timely manner totally depends on timely Approvals as well. Stake-holders Steering committee meetings always include this topic of Capital Market.

AP Director needs to put a process in place that will trigger the reminders to the approvers automatically and remind them of approving the high volume invoices on a timely manner. Another process that was identified to have the best results in Market Capital is to implement Pay on Scan date logic into Accounts payable process. This includes convincing the vendors or suppliers to follow this process

After implementation of the above process, end result delighted AP director and no discussion about Market Capital in the Steering committee with Stake Holders.



**Persona :**



## User Experience Journey:

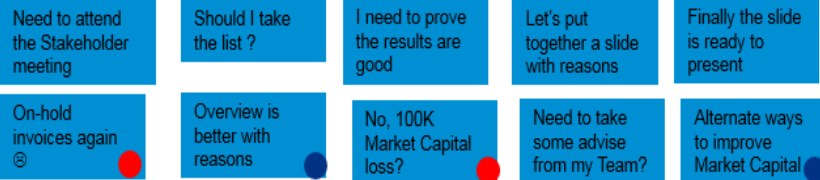
### User Experience Journey

#### Current User Experience Journey

Duration of the Journey: 15 days

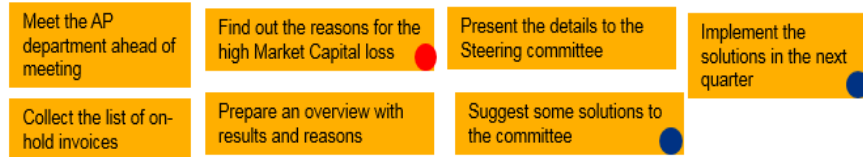
##### Mindset

What is on the Persona's mind while taking the actions of their journey? How do they feel each step of the journey?



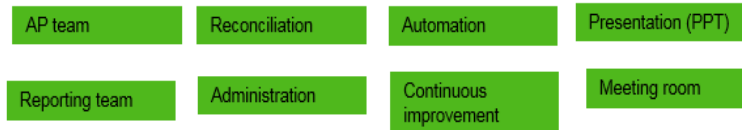
##### Actions

What actions and activities does the Persona take while going thru the journey to achieve their goal?



##### Touch points

What touch points does the Persona have? (Tools, channels, devices, conversations, and so on.)

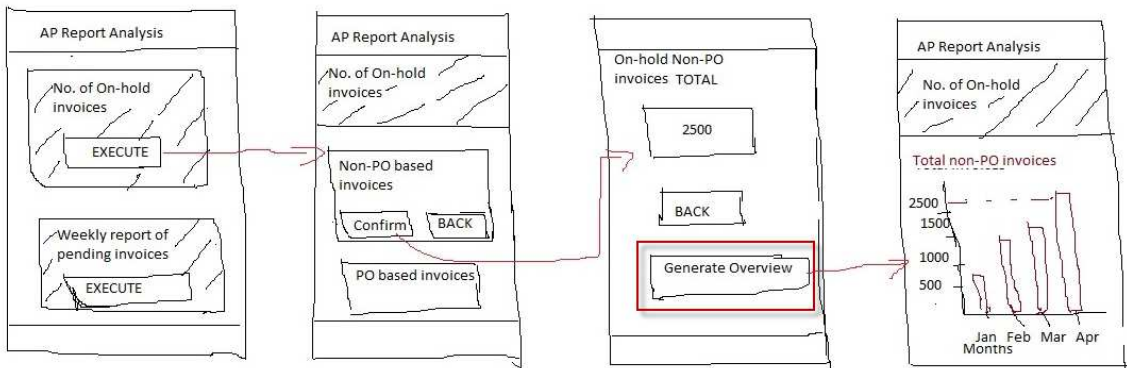


**Point of View:**

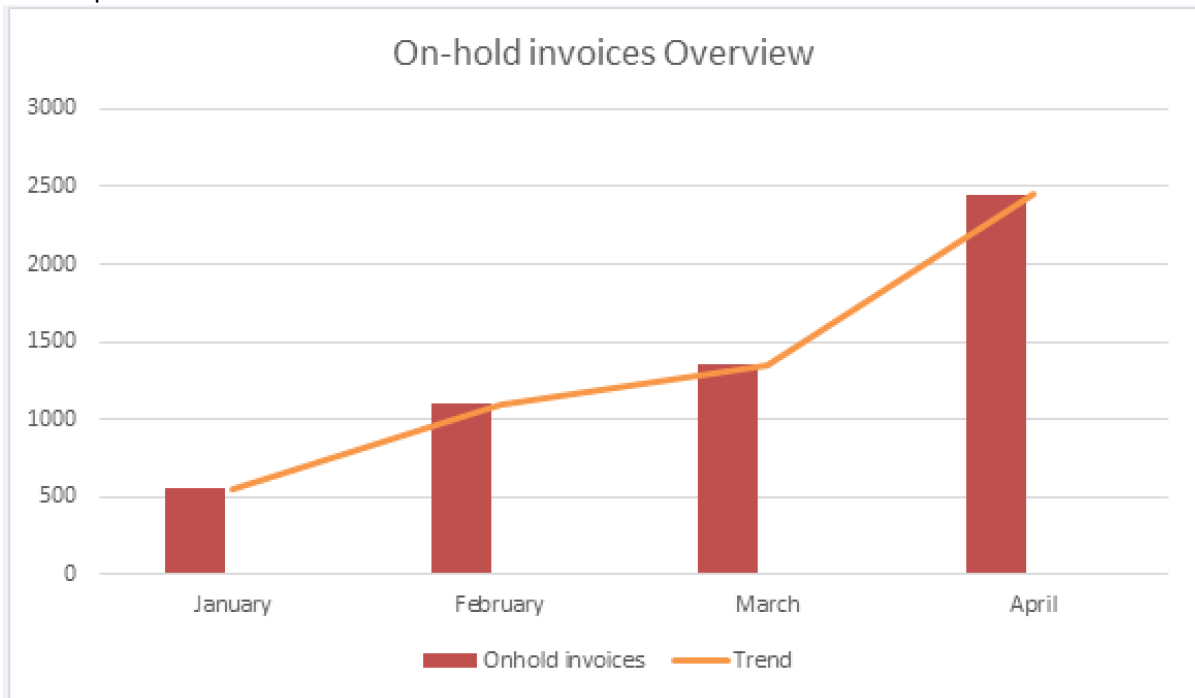
Peter, The Payables Director needs a way to improve the on-hold invoices volume and show the good overview of profitable Market Capital so that the stake-holders and customers will be delighted with the overall Accounts payable performance and get more Sales business to the company.

**Mock Ups:**

Mock up 1:

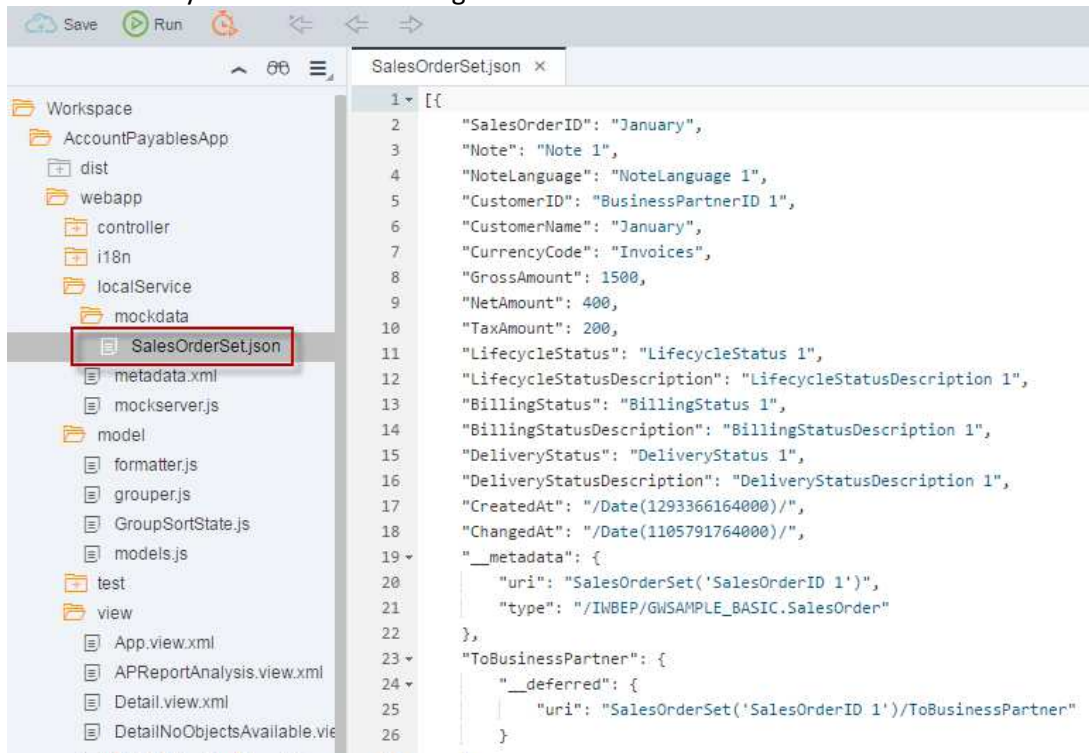


Mock up 2:



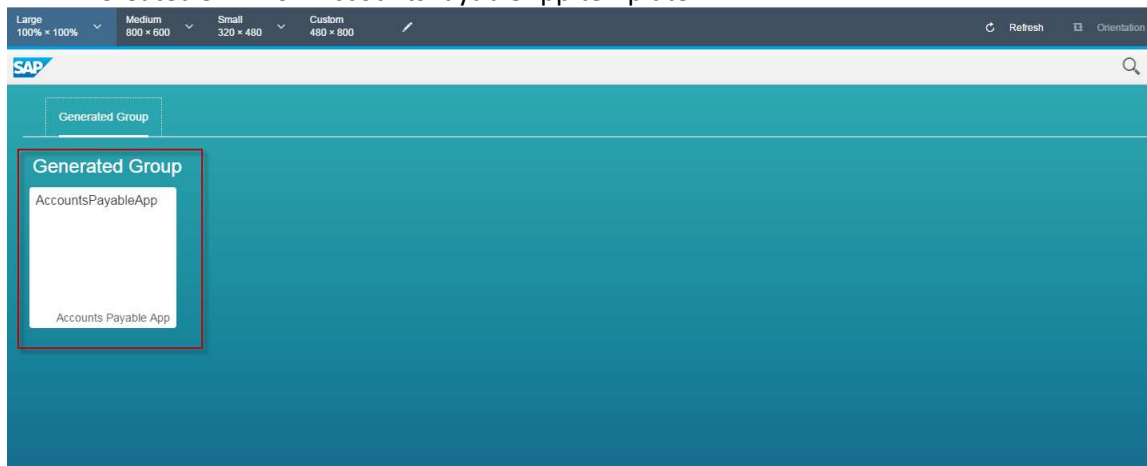
## Implementation on Web IDE:

### 1. Built my own mock data and generated a file :



```
1- [{"
2  "SalesOrderID": "January",
3  "Note": "Note 1",
4  "NoteLanguage": "NoteLanguage 1",
5  "CustomerID": "BusinessPartnerID 1",
6  "CustomerName": "January",
7  "CurrencyCode": "Invoices",
8  "GrossAmount": 1500,
9  "NetAmount": 400,
10 "TaxAmount": 200,
11 "LifecycleStatus": "LifecycleStatus 1",
12 "LifecycleStatusDescription": "LifecycleStatusDescription 1",
13 "BillingStatus": "BillingStatus 1",
14 "BillingStatusDescription": "BillingStatusDescription 1",
15 "DeliveryStatus": "DeliveryStatus 1",
16 "DeliveryStatusDescription": "DeliveryStatusDescription 1",
17 "CreatedAt": "/Date(1293366164000)/",
18 "ChangedAt": "/Date(1105791764000)/",
19  "__metadata": {
20    "uri": "SalesOrderSet('SalesOrderID 1')",
21    "type": "/IWBEP/GWSAMPLE_BASIC.SalesOrder"
22  },
23  "ToBusinessPartner": {
24    "__deferred": {
25      "uri": "SalesOrderSet('SalesOrderID 1')/ToBusinessPartner"
26    }
27  }
28 }]
```

### 2. Created SAP Fiori AccountsPayableApp template:



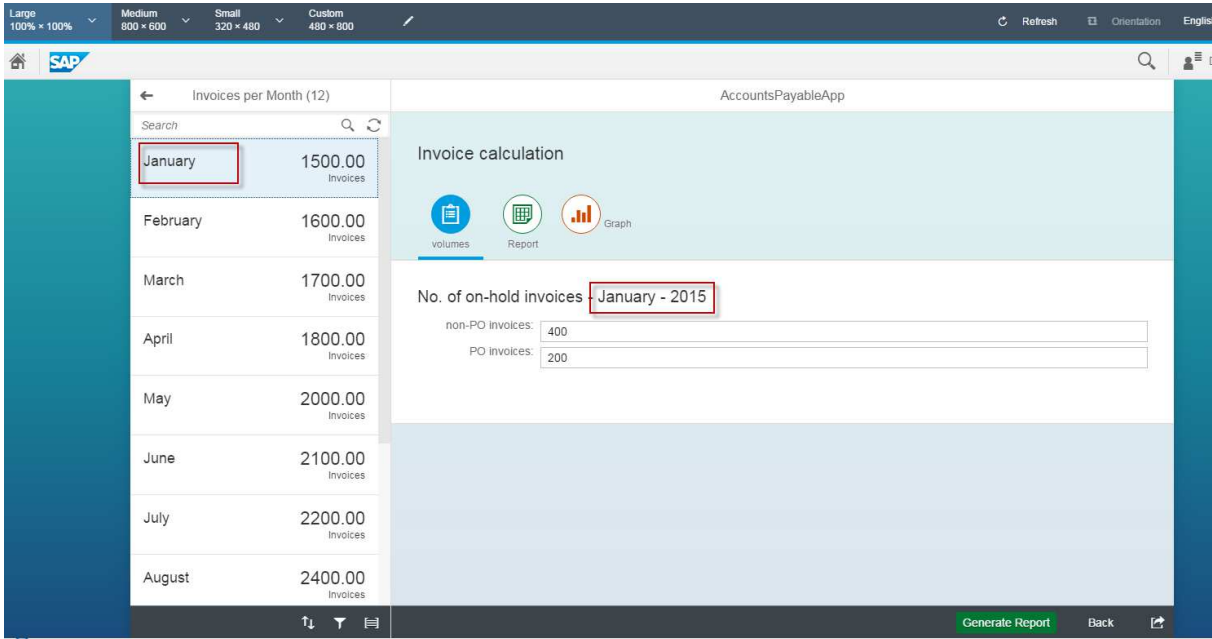
### 3. Enhanced the application to a 3-tabs view using the Code Editor and Layout Editor: - Added a report to the 2nd tab and graph to the 3rd tab. First tab obviously gives the details of invoices for that particular month.

Tab 1 : Volumes of both non-PO and PO based invoices

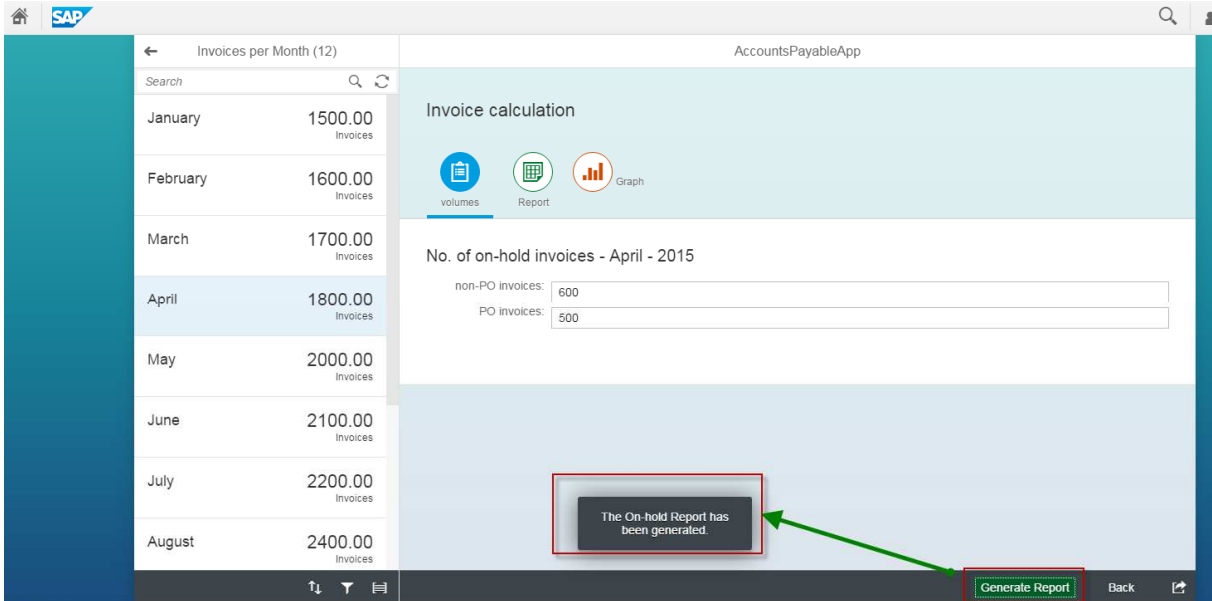
```

<IconTabFilter id="iconTabBarFilter1" icon="sap-icon://activity-items" tooltip="{i18n}detailIconTabBarInfo" text="volumes">
  <content>
    <sap.ui.layout.form:SimpleForm xmlns:sap.ui.layout.form="sap.ui.layout.form" xmlns:sap.ui.core="sap.ui.core" editable="false" layout="ResponsiveGridLayout">
      <sap.ui.layout.form:content xmlns:sap.ui.layout.form="sap.ui.layout.form">
        <sap.ui.core:Title xmlns:sap.ui.core="sap.ui.core" id="__title0" text="No. of on-hold invoices - {SalesOrderID} - 2015"/>
        <Label text="non-PO invoices" id="__label10"/>
        <Input width="100%" id="__input1" value="{NetAmount}"/>
        <Label text="PO invoices" id="__label11"/>
        <Input width="100%" id="__input2" value="{TaxAmount}"/>
        <Label text="Total" width="100%" id="__label14"/></sap.ui.layout.form:content>
      </sap.ui.layout.form:SimpleForm>
    </content>
  </IconTabFilter>

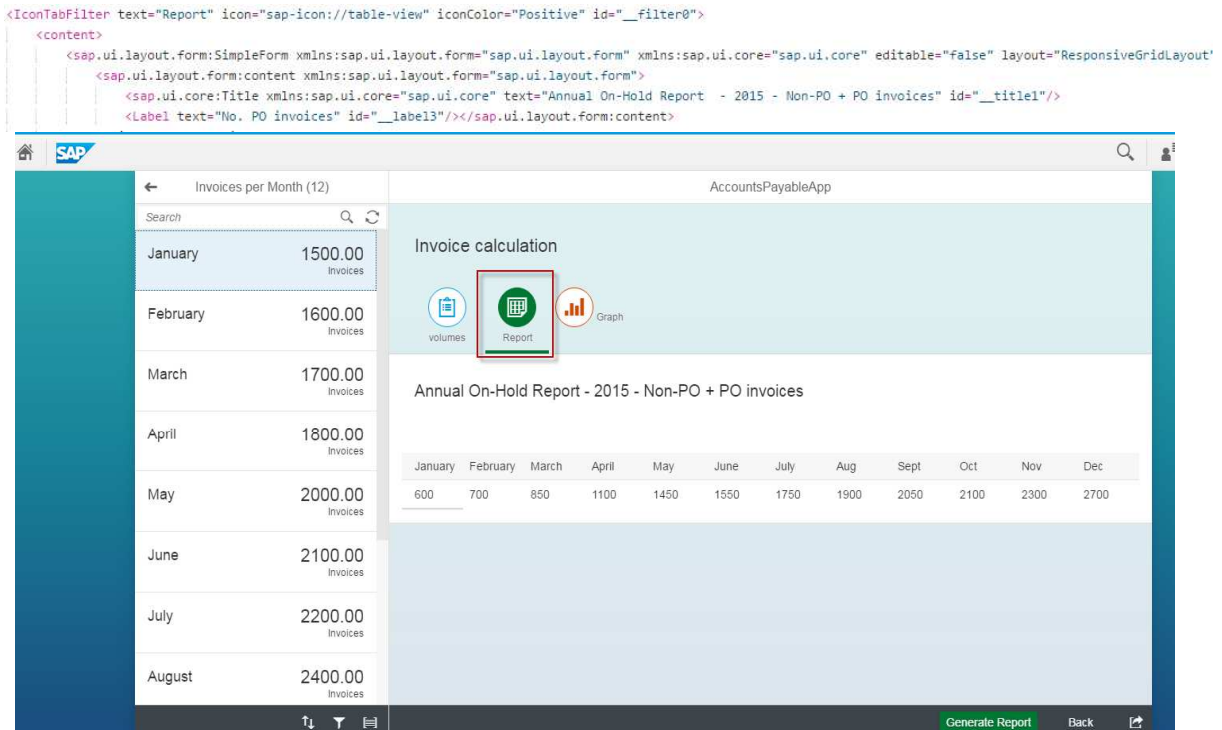
```



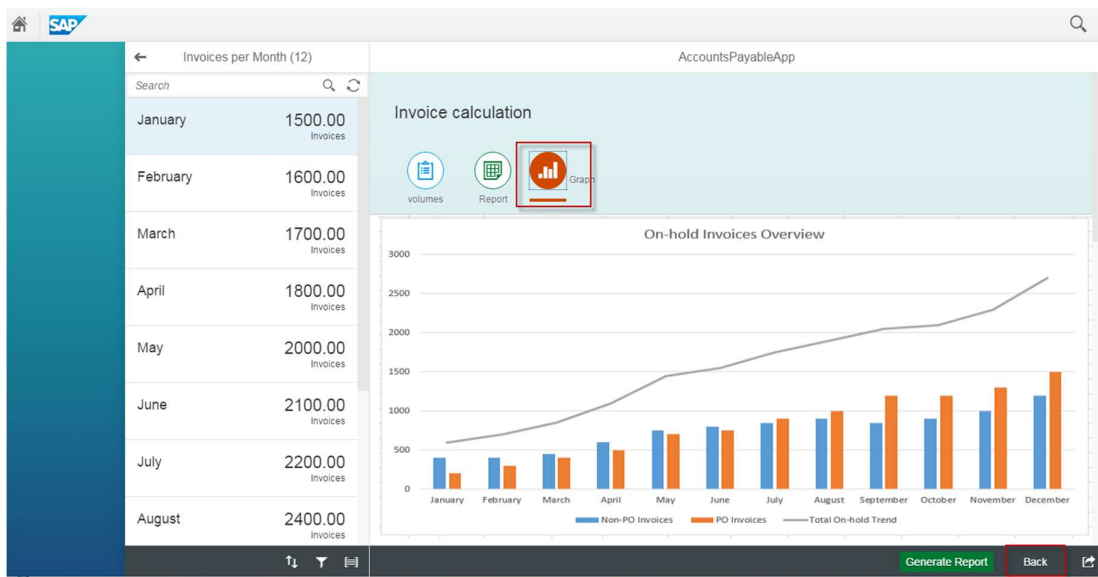
Generate Report button was created and displayed the message:



Tab -2: Report of all on-hold invoices in a tabular form:



Finally Tab-3 was designed to be a graphical representation, which provides detailed view in a glance to the Director and work on his Market Capital for the next year. There is a “Back” button that takes us back to the SAP Fiori Launch pad home.



## Application Prototype: AccountsPayableApp

### Methodology

- Designed using SAP HANA Cloud Platform WebIDE with Mock Data (No External Service)
- Run with Mock Data locally (Within WebIDE): Results are retrieved with UI Layouts
- Deployed into SAP HANA Cloud Platform (HCP), Run from HCP: No Results retrieved

### URLs

HANA Cloud Platform (Application):

<https://webide-p1941401507trial.dispatcher.hanatrial.ondemand.com/>