SYSTEM DESIGN DOCUMENT

Developed in HCL Domino Volt

Table of Contents

[Databases : Design Information 5](#_Toc77025626)

[A. EmployeeMasterLists 5](#_Toc77025627)

[Settings 5](#_Toc77025628)

[Design 5](#_Toc77025629)

[B. EmployeeMasterDataLevel0 6](#_Toc77025630)

[C. EmployeeMasterDataLevel1 8](#_Toc77025631)

[User Interaction Applications : Design Information 12](#_Toc77025632)

[EmployeeMasterData1ViewUI 12](#_Toc77025633)

[Settings General 12](#_Toc77025634)

[Design App Pages 12](#_Toc77025635)

[Design Forms 12](#_Toc77025636)

[EmployeeMasterData1UpdateUI 15](#_Toc77025637)

[Stages 17](#_Toc77025638)

[Code Snippets 19](#_Toc77025639)

[Events - Application onStart (Global Javascript) 19](#_Toc77025640)

[Using a Button from the design palette, instead of Stage Action button 19](#_Toc77025641)

[Update another field based on current item in the Drop Down list 19](#_Toc77025642)

[Update another Volt database when Submit button is clicked 19](#_Toc77025643)

[Populate EmpDisplayName field with record selected in Search by Employee Name field 21](#_Toc77025644)

[Retrieve other fields, based on current value in EmpDisplayName field 21](#_Toc77025645)

[EmpMasterData1UpdateUI: 21](#_Toc77025646)

[Retrieve CurrentLoggedInUser’s data from EmpMasterData0 & EmpMasterData1 21](#_Toc77025647)

# Databases : Design Information

## ****A. Database1****

### **Settings**

Application Name:

Application Description:

Application Regional Options:

Home Page:

### **Design**

#### AppForm

This is the global master list of standardised global values for various fields in databases.

Read Only Access to this master database is provided through other Volt applications. Only the designated DB Administrator has direct access to this master database for creating, updating or deleting master lists.

App Name: EmpMasterLists

App Version: 1.0.040721

App Date: 04 Jul 2021

App Owner: Project Lead

DB Admin: Project Lead

#### Forms

One form each for ShortDesig, PayLevel, EmpGroup, TeamName, Appointment, ParentOrg, EntryTypeIntoNTRO, QualAcademic, QualProfessional, Place, Location

Page 1 of each Form

Display Stage Action buttons on this page – Yes (to enable DB Admin to create, update, delete records)

Accessibility Page Role - Document

**Access**

Define Roles:

Administrator

Initiator

Record Owner

Assign Users:

Administrator: ProjectLead

Initiator: All Authenticated Users

Record Owner: Instance Creator

Stage Settings: Permissions for Form stages – for every Form

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Roles** | **Create** | **Read** | **Update** | **Delete** |
| FormName – Start |  |  |  |  |
| Administrator | Y |  |  |  |
| Initiator |  |  |  |  |
| Record Owner |  |  |  |  |
| FormName – Submitted |  |  |  |  |
| Administrator |  | Y | Y | Y |
| Initiator |  | Y |  |  |
| Record Owner |  | Y |  |  |
| FormName – End |  |  |  |  |
| Administrator |  | Y |  | Y |
| Initiator |  | Y |  |  |
| Record Owner |  | Y |  |  |

App Page Settings: Access permissions for App pages

|  |  |
| --- | --- |
| **Roles** | **Viewable** |
| AppForm |  |
| Administrator | Y |
| Initiator | Y |
| Record Owner | Y |

Design Settings: Access permissions for designing the application.

|  |  |
| --- | --- |
| **Roles** | **Edit** |
| Administrator | Y |
| Initiator |  |
| Record Owner |  |

**Stages**

Using the standard capabilities provided by Domino Volt.

**Style**

Using the standard capabilities provided by Domino Volt.

**Events**

None

**Launch URL**: AppForm is displayed

**View Data URL**: DB Admin can create, update, delete records. All others can only view the records.

## ****B. EmployeeMasterDataLevel0****

**Settings**

Application Name: EmpMasterData0

Application Description: Level 0 employee data for all other apps

Application Regional Options: India

Home Page: AppForm

**Design**

AppForm

This is the Level 0 master database, which holds the immutable or nearly immutable data of an employee, such as Employee Code and Employee's preferred display name.

Read Only Access to this master database is provided through other Volt applications. Only the designated DB Administrator has direct access to this master database for creating, updating or deleting Level 0 master data.

App Name: EmpMasterData0

App Version: 1.0.040721

App Date: 04 Jul 2021

App Owner: Project lead

DB Admins: Project Lead, Aman Sahu

Forms

F\_Form1

Single submission per authenticated user – No

Upon Submission – Show Success message in a dialog box and display next stage of the form.

Call a service to prepopulate – No

P\_Page1

Display Stage Action buttons on this page – Yes (to enable DB Admin to create, update, delete records)

Accessibility Page Role – Document

P\_Page1 Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Field Id** | **Field Type** | **Width** | **Max Chars** | **Show In View Data** |
| EmpCode | F\_EmpCode | SingleLineEntry | Short | 8 | Y |
| EmpDisplayName | F\_EmpDisplayName | SingleLineEntry | Medium | 48 | Y |

**Access**

Define Roles:

Administrator

Initiator

Record Owner

Assign Users:

Administrator: ProjectLead, Aman Sahu

Initiator: All Authenticated Users

Record Owner: Instance Creator

Stage Settings: Permissions for Form stages

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Roles** | **Create** | **Read** | **Update** | **Delete** |
| Form1 – Start |  |  |  |  |
| Administrator | Y |  |  |  |
| Initiator |  |  |  |  |
| Record Owner |  |  |  |  |
| Form1 – Submitted |  |  |  |  |
| Administrator |  | Y | Y | Y |
| Initiator |  | Y |  |  |
| Record Owner |  | Y |  |  |
| Form1 – End |  |  |  |  |
| Administrator |  | Y |  | Y |
| Initiator |  | Y |  |  |
| Record Owner |  | Y |  |  |

App Page Settings: Access permissions for App pages

|  |  |
| --- | --- |
| **Roles** | **Viewable** |
| AppForm |  |
| Administrator | Y |
| Initiator | Y |
| Record Owner | Y |

Design Settings: Access permissions for designing the application.

|  |  |
| --- | --- |
| **Roles** | **Edit** |
| Administrator | Y |
| Initiator |  |
| Record Owner |  |

**Stages**

Using the standard capabilities provided by Domino Volt.

**Style**

Using the standard capabilities provided by Domino Volt.

**Events**

None

**Launch URL**: AppForm is displayed

**View Data URL**: DB Admins can create, update, delete records. All others can only view the records.

## ****C. EmployeeMasterDataLevel1****

**Settings**

Application Name: EmpMasterData1

Application Description: Level 1 employee data for all other apps

Application Regional Options: India

Home Page: AppForm

**Design**

AppForm

This is the Level 1 master database, which holds the mutable personal data of an employee, linked to the Employee Code. This master data of employees can be used for collaboration.

Read Only Access to this master database is provided through other Volt applications. Only the designated DB Administrator has direct access to this master database for creating, updating or deleting Level 1 master data.

App Name: EmpMasterData1

App Version: 1.0.040721

App Date: 04 Jul 2021

App Owner: Project Lead

DB Admin: Project Lead, Aman Sahu

Forms

F\_Form1

Single submission per authenticated user – No

Upon Submission – Show Success message in a dialog box and display next stage of the form.

Call a service to prepopulate – No

P\_Page1

Display Stage Action buttons on this page – Yes (to enable DB Admin to create, update, delete records)

Accessibility Page Role – Application

P\_Page1 Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Field Id** | **Field Type** | **Width** | **Max Chars** | **Show In View Data** |
| EmpCode | F\_EmpCode | SingleLineEntry | Short | 8 | Y |
| Designation | F\_Designation | SingleLineEntry | Medium | 20 | Y |
| Appointment | F\_Appointment | SingleLineEntry | Medium | 20 | Y |
| TeamName | F\_TeamName | SingleLineEntry | Medium | 20 | Y |
| EmpNotesId | F\_EmpNotedId | SingleLineEntry | Long | 50 | Y |
| MgrNotesId | F\_MgrNotedId | SingleLineEntry | Long | 50 | Y |
| AsstNotesId | F\_AsstNotedId | SingleLineEntry | Long | 50 | Y |
| Place | F\_Place | SingleLineEntry | Medium | 20 | Y |
| Location | F\_Location | SingleLineEntry | Long | 50 | Y |
| Building | F\_Building | SingleLineEntry | Medium | 20 | Y |
| Floor | F\_Floor | SingleLineEntry | Short | 2 | Y |
| Room | F\_Room | SingleLineEntry | Short | 8 | Y |

Page Navigation buttons: No

F\_Form2

Single submission per authenticated user – No

Upon Submission – Show Success message in a dialog box and display next stage of the form.

Call a service to prepopulate – No

P\_Page1

Display Stage Action buttons on this page – Yes (to enable DB Admin to create, update, delete records)

Accessibility Page Role – Application

P\_Page1 Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Field Id** | **Field Type** | **Width** | **Max Chars** | **Show In View Data** |
| EmpCode | F\_EmpCode | SingleLineEntry | Short | 8 | Y |
| NICMailId1 | F\_NICMailId1 | Email | Long |  | Y |
| NICMailId2 | F\_NICMailId2 | Email | Long |  | Y |
| NTROMailId1 | F\_NTROMailId1 | Email | Long |  | Y |
| NTROMailId2 | F\_NTROMailId2 | Email | Long |  | Y |
| OfficeNo1 | F\_OfficeNo1 | SingleLineEntry | Medium | 20 | Y |
| OfficeNo2 | F\_OfficeNo2 | SingleLineEntry | Medium | 20 | Y |
| OfficeNo3 | F\_OfficeNo3 | SingleLineEntry | Medium | 20 | Y |
| MobileNo1 | F\_MobileNo1 | SingleLineEntry | Medium | 20 | Y |
| MobileNo2 | F\_MobileNo2 | SingleLineEntry | Medium | 20 | Y |
| HomeNo1 | F\_HomeNo1 | SingleLineEntry | Medium | 20 | Y |
| HomeNo2 | F\_HomeNo2 | SingleLineEntry | Medium | 20 | Y |
| PersonalMailId1 | F\_PersonalMailId1 | Email | Long |  | Y |
| PersonalMailId2 | F\_PersonalMailId2 | Email | Long |  | Y |
| PersonalDevice1 | F\_PersonalDevice1 | SingleLineEntry | Long | 100 | Y |
| PersonalDevice2 | F\_PersonalDevice2 | SingleLineEntry | Long | 100 | Y |
| PersonalDevice3 | F\_PersonalDevice3 | SingleLineEntry | Long | 100 | Y |
| PersonalDevice4 | F\_PersonalDevice4 | SingleLineEntry | Long | 100 | Y |
| PersonalDevice5 | F\_PersonalDevice5 | SingleLineEntry | Long | 100 | Y |

Page Navigation buttons: No

**Access**

Define Roles:

Administrator

Initiator

Record Owner

Assign Users:

Administrator: ProjectLead, Aman Sahu

Initiator: All Authenticated Users

Record Owner: Instance Creator

Stage Settings: Permissions for Form stages

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Roles** | **Create** | **Read** | **Update** | **Delete** |
| Form1 – Start |  |  |  |  |
| Administrator | Y |  |  |  |
| Initiator |  |  |  |  |
| Record Owner |  |  |  |  |
| Form1 – Submitted |  |  |  |  |
| Administrator |  | Y | Y | Y |
| Initiator |  | Y |  |  |
| Record Owner |  | Y |  |  |
| Form1 – End |  |  |  |  |
| Administrator |  | Y |  | Y |
| Initiator |  | Y |  |  |
| Record Owner |  | Y |  |  |
| Form2 – Start |  |  |  |  |
| Administrator | Y |  |  |  |
| Initiator |  |  |  |  |
| Record Owner |  |  |  |  |
| Form2 – Submitted |  |  |  |  |
| Administrator |  | Y | Y | Y |
| Initiator |  | Y |  |  |
| Record Owner |  | Y |  |  |
| Form2 – End |  |  |  |  |
| Administrator |  | Y |  | Y |
| Initiator |  | Y |  |  |
| Record Owner |  | Y |  |  |

App Page Settings: Access permissions for App pages

|  |  |
| --- | --- |
| **Roles** | **Viewable** |
| AppForm |  |
| Administrator | Y |
| Initiator | Y |
| Record Owner | Y |

Design Settings: Access permissions for designing the application.

|  |  |
| --- | --- |
| **Roles** | **Edit** |
| Administrator | Y |
| Initiator |  |
| Record Owner |  |

**Stages**

Using the standard capabilities provided by Domino Volt.

**Style**

Using the standard capabilities provided by Domino Volt.

**Events**

None

**Launch URL**: AppForm is displayed

**View Data URL**: DB Admins can create, update, delete records. All others can only view the records.

# User Interaction Applications : Design Information

## ****EmployeeMasterData1ViewUI****

### **Settings General**

Application Name: EmpMasterData1ViewUI

Application Description: View Level 1 employee data, based on selection of employee by Employee Name in Level 0 employee data.

Home Page: AppForm

### **Design App Pages**

#### AP\_Form

This UI provides view access to master data of NCIIPC employees, based on access permissions of the logged in user. No data is stored within this application.

App Name: EmpMasterData1ViewUI

App Version: 1.0.120721

App Date: 12 Jul 2021

App Owner: Project Lead

App Designer: Project Lead

UI Designer: Project Lead

Clicking the OK Button takes the user to Form 1.

### Design Forms

#### F\_Form1

Single submission per authenticated user – No

Upon Submission – Show Success message in a dialog box and display next stage of the form.

Call a service to prepopulate – No

##### P\_Page1

Display Stage Action buttons on this page – No

Accessibility Page Role – Document

##### P\_Page1 Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Field Id | Field Type | Width | Max Chars | Show In View Data |
| CurrentLoggedInUser | F\_LoggedInUser | SingleLineEntry | Medium | 50 | N |
| UserRole | F\_LoggedInUserRole | SingleLineEntry | Long | 100 | N |
| SearchByEmployeeName | F\_EmpDisplayNameDD | Drop Down |  | 48 | N |
| UserRoleIsAdmin | F\_UserRoleIsAdmin | SingleLineEntry | ExtraShort | 8 | N |
| EmpCode | F\_EmpCode | SingleLineEntry | Short | 8 | Y |
| EmpDisplayName | F\_EmpDisplayName | SingleLineEntry | Medium | 48 | Y |
| Tabs | F\_TabbedFolder1 |  |  |  |  |
| Read Only Data | Tab1 |  |  |  |  |
| EmpCode | F\_EmpCode1 | SingleLineEntry | Short | 8 | Y |
| Designation | F\_Designation | SingleLineEntry | Medium | 20 | Y |
| Appointment | F\_Appointment | SingleLineEntry | Medium | 20 | Y |
| TeamName | F\_TeamName | SingleLineEntry | Medium | 20 | Y |
| EmpNotesId | F\_EmpNotedId | SingleLineEntry | Long | 50 | Y |
| MgrNotesId | F\_MgrNotedId | SingleLineEntry | Long | 50 | Y |
| AsstNotesId | F\_AsstNotedId | SingleLineEntry | Long | 50 | Y |
| Place | F\_Place | SingleLineEntry | Medium | 20 | Y |
| Location | F\_Location | SingleLineEntry | Long | 50 | Y |
| Building | F\_Building | SingleLineEntry | Medium | 20 | Y |
| Floor | F\_Floor | SingleLineEntry | Short | 2 | Y |
| Room | F\_Room | SingleLineEntry | Short | 8 | Y |
| Self Update Data | Tab2 |  |  |  |  |
| EmpCode | F\_EmpCode2 | SingleLineEntry | Short | 8 | Y |
| NICMailId1 | F\_NICMailId1 | Email | Long |  | Y |
| NICMailId2 | F\_NICMailId2 | Email | Long |  | Y |
| NTROMailId1 | F\_NTROMailId1 | Email | Long |  | Y |
| NTROMailId2 | F\_NTROMailId2 | Email | Long |  | Y |
| OfficeNo1 | F\_OfficeNo1 | SingleLineEntry | Medium | 20 | Y |
| OfficeNo2 | F\_OfficeNo2 | SingleLineEntry | Medium | 20 | Y |
| OfficeNo3 | F\_OfficeNo3 | SingleLineEntry | Medium | 20 | Y |
| MobileNo1 | F\_MobileNo1 | SingleLineEntry | Medium | 20 | Y |
| MobileNo2 | F\_MobileNo2 | SingleLineEntry | Medium | 20 | Y |
| HomeNo1 | F\_HomeNo1 | SingleLineEntry | Medium | 20 | Y |
| HomeNo2 | F\_HomeNo2 | SingleLineEntry | Medium | 20 | Y |
| PersonalMailId1 | F\_PersonalMailId1 | Email | Long |  | Y |
| PersonalMailId2 | F\_PersonalMailId2 | Email | Long |  | Y |
| PersonalDevice1 | F\_PersonalDevice1 | SingleLineEntry | Long | 100 | Y |
| PersonalDevice2 | F\_PersonalDevice2 | SingleLineEntry | Long | 100 | Y |
| PersonalDevice3 | F\_PersonalDevice3 | SingleLineEntry | Long | 100 | Y |
| PersonalDevice4 | F\_PersonalDevice4 | SingleLineEntry | Long | 100 | Y |
| PersonalDevice5 | F\_PersonalDevice5 | SingleLineEntry | Long | 100 | Y |

**Access**

Define Roles:

Administrator

Initiator

Record Owner

Assign Users:

Administrator: ProjectLead

Initiator: All Authenticated Users

Record Owner: Insance Creator

Stage Settings: Permissions for the Form stage

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Roles** | **Create** | **Read** | **Update** | **Delete** |
| Form1- Start |  |  |  |  |
| Administrator |  |  |  |  |
| Initiator | Y |  |  |  |
| Record Owner |  |  |  |  |
| Form1 - Submitted |  |  |  |  |
| Administrator |  | Y | Y | Y |
| Initiator |  | Y |  |  |
| Record Owner |  | Y |  |  |
| Form1 - End |  |  |  |  |
| Administrator |  | Y |  | Y |
| Initiator |  | Y |  |  |
| Record Owner |  | Y |  |  |

App Page Settings: Access permissions for App pages

|  |  |
| --- | --- |
| **Roles** | **Viewable** |
| AppForm1 |  |
| Administrator | Y |
| Initiator | Y |
| Record Owner | Y |

Design Settings: Access permissions for designing the application.

|  |  |
| --- | --- |
| **Roles** | **Edit** |
| AppForm1 |  |
| Administrator | Y |
| Initiator |  |
| Record Owner |  |

**Stages**

Configured the standard capabilities provided by Domino Volt. However, not being used.

**Style**

Using the standard capabilities provided by Domino Volt.

**Events**

Form events

F\_Form1 Events – onLoad – Custom Actions

/\* Add your own JavaScript here. \*/

/\* To populate the current user's login name into a field in the form,

place the following statement in the onLoad event of the form \*/

BO.F\_LoggedInUser.setValue(app.getCurrentUser());

/\* Set values for other fields \*/

BO.F\_LoggedInUserRole.setValue(app.getCurrentUserRoles());

var strLoggedInUserRole = BO.F\_LoggedInUserRole.getValue();

var numUserRoleIsAdmin = strLoggedInUserRole.search("Admin");

if (numUserRoleIsAdmin >= 0) {

BO.F\_UserRoleIsAdmin.setValue("Y");

}

else {

BO.F\_UserRoleIsAdmin.setValue("N");

}

**Rules**

Rule 1

**Launch URL**: AppForm is displayed. Click OK to view data of EmpMasterData1.

**View Data URL**: No data is stored in this database.

## ****EmployeeMasterData1UpdateUI****

**Settings**

Application Name: EmpMasterData1UpdateUI

Application Description: Update Level 1 employee data, based on selection of employee by Employee Name in Level 0 employee data

Home Page: AppForm

**Design**

AP\_Form

This UI provides update access to self updatable master data of NCIIPC employees, based on access permissions of the logged in user. Transactions data is stored within this application.

App Name: EmpMasterData1UpdateUI

App Version: 1.0.040721

App Date: 04 Jul 2021

App Owner: Project Lead

App Designer: Project Lead

UI Designer:

Clicking the OK Button takes the user to Form 1.

Forms

F\_Form1

Single submission per authenticated user – No

Upon Submission – Show Success message in a dialog box and display next stage of the form.

Call a service to prepopulate – No

P\_Page1

Display Stage Action buttons on this page – Yes

Accessibility Page Role – Document

P\_Page1 Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Field Id** | **Field Type** | **Width** | **Max Chars** | **Show In View Data** |
| CurrentLoggedInUser | F\_LoggedInUser | SingleLineEntry | Medium | 50 | N |
| UserRole | F\_LoggedInUserRole | SingleLineEntry | Long | 100 | N |
| SearchByEmployeeName | F\_EmpDisplayNameDD | Drop Down |  | 48 | N |
| UserRoleIsAdmin | F\_UserRoleIsAdmin | SingleLineEntry | ExtraShort | 8 | N |
| EmpCode | F\_EmpCode | SingleLineEntry | Short | 8 | Y |
| EmpDisplayName | F\_EmpDisplayName | SingleLineEntry | Medium | 48 | Y |
| Tabs | F\_TabbedFolder1 |  |  |  |  |
| Self Update Data | Tab1 |  |  |  |  |
| EmpCode | F\_EmpCode | SingleLineEntry | Short | 8 | Y |
| NICMailId1 | F\_NICMailId1 | Email | Long |  | Y |
| NICMailId2 | F\_NICMailId2 | Email | Long |  | Y |
| NTROMailId1 | F\_NTROMailId1 | Email | Long |  | Y |
| NTROMailId2 | F\_NTROMailId2 | Email | Long |  | Y |
| OfficeNo1 | F\_OfficeNo1 | SingleLineEntry | Medium | 20 | Y |
| OfficeNo2 | F\_OfficeNo2 | SingleLineEntry | Medium | 20 | Y |
| OfficeNo3 | F\_OfficeNo3 | SingleLineEntry | Medium | 20 | Y |
| MobileNo1 | F\_MobileNo1 | SingleLineEntry | Medium | 20 | Y |
| MobileNo2 | F\_MobileNo2 | SingleLineEntry | Medium | 20 | Y |
| HomeNo1 | F\_HomeNo1 | SingleLineEntry | Medium | 20 | Y |
| HomeNo2 | F\_HomeNo2 | SingleLineEntry | Medium | 20 | Y |
| PersonalMailId1 | F\_PersonalMailId1 | Email | Long |  | Y |
| PersonalMailId2 | F\_PersonalMailId2 | Email | Long |  | Y |
| PersonalDevice1 | F\_PersonalDevice1 | SingleLineEntry | Long | 100 | Y |
| PersonalDevice2 | F\_PersonalDevice2 | SingleLineEntry | Long | 100 | Y |
| PersonalDevice3 | F\_PersonalDevice3 | SingleLineEntry | Long | 100 | Y |
| PersonalDevice4 | F\_PersonalDevice4 | SingleLineEntry | Long | 100 | Y |
| PersonalDevice5 | F\_PersonalDevice5 | SingleLineEntry | Long | 100 | Y |

**Access**

Define Roles:

Administrator

Initiator

Record Owner

Assign Users:

Administrator: ProjectLead

Initiator: All Authenticated Users

Record Owner: Insance Creator

Stage Settings: Permissions for the Form stage

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Roles** | **Create** | **Read** | **Update** | **Delete** |
| Form1- Start |  |  |  |  |
| Administrator |  |  |  |  |
| Initiator | Y |  |  |  |
| Record Owner |  |  |  |  |
| Form1 - Submitted |  |  |  |  |
| Administrator |  | Y | Y | Y |
| Initiator |  | Y |  |  |
| Record Owner |  | Y |  |  |
| Form1 - End |  |  |  |  |
| Administrator |  | Y |  | Y |
| Initiator |  | Y |  |  |
| Record Owner |  | Y |  |  |

App Page Settings: Access permissions for App pages

|  |  |
| --- | --- |
| **Roles** | **Viewable** |
| AppForm1 |  |
| Administrator | Y |
| Initiator | Y |
| Record Owner | Y |

Design Settings: Access permissions for designing the application.

|  |  |
| --- | --- |
| **Roles** | **Edit** |
| AppForm1 |  |
| Administrator | Y |
| Initiator |  |
| Record Owner |  |

### **Stages**

#### Form1 – Page1:

##### Start - ST\_Start

###### Submit - S\_Submit

Hover text: Submit the form for creation

Action completion message: Your data has been successfully submitted.

Next Stage: Submitted

Cancel - S\_Cancel

Hover text: Cancel will reset form data

Submitted - ST\_Submitted

S\_Update – S\_Update

Hover text: Update the record

Action completion message: Your data has been successfully updated.

Next Stage: Submitted (to enable more than one submissions)

Cancel - S\_Cancel1

Hover text: Cancel will reset form data

End - ST\_End

This stage has no actions defined.

Form1 – Page1:

Start - ST\_Start

Submit - S\_Submit

Hover text: Submit the form for creation

Action completion message: Your data has been successfully submitted.

Next Stage: Submitted

Cancel - S\_Cancel

Hover text: Cancel will reset form data

Submitted - ST\_Submitted

S\_Update – S\_Update

Hover text: Update the record

Action completion message: Your data has been successfully updated.

Next Stage: Submitted (to enable more than one submissions)

Cancel - S\_Cancel1

Hover text: Cancel will reset form data

End - ST\_End

This stage has no actions defined.

**Events**

Form events

F\_Form1 Events – onLoad – Custom Actions

/\* Add your own JavaScript here. \*/

/\* To populate the current user's login name into a field in the form,

place the following statement in the onLoad event of the form \*/

BO.F\_LoggedInUser.setValue(app.getCurrentUser());

BO.F\_LoggedInUserNotesId.setValue(app.getCurrentUser());

/\* Set values for other fields \*/

BO.F\_LoggedInUserRole.setValue(app.getCurrentUserRoles());

var strLoggedInUserRole = BO.F\_LoggedInUserRole.getValue();

var numUserRoleIsAdmin = strLoggedInUserRole.search("Admin");

if (numUserRoleIsAdmin >= 0) {

BO.F\_UserRoleIsAdmin.setValue("Y");

}

else {

BO.F\_UserRoleIsAdmin.setValue("N");

}

# Code Snippets

## Events - Application onStart (Global Javascript)

var myForm1 = app.getForm('F\_Form1');

var formBO1 = myForm1.getBO();

var myForm2 = app.getForm('F\_Form2');

var formBO2 = myForm2.getBO();

formBO.F\_SingleLine.setValue('setting the value using code!');

## Using a Button from the design palette, instead of Stage Action button

Page Properties

Display Stage Action buttons on this page -Yes

Accessibility Page Role – Document

F\_Button Properties

Caption – Submit

On click, navigate to - None

Call a service when clicked – ??

F\_Button Events

OnClick – Custom Actions

/\* Add your own JavaScript here. \*/

var actions = form.getStageActions();

for(var i=0; i<actions.length; i++) {

if(get(actions,i).getId() === 'S\_Submit') {

get(actions,i).activate();

break;

}

}

## Update another field based on current item in the Drop Down list

MasterData0 – EmpDisplayNameDD

onItemChange

/\* Add your own JavaScript here. \*/

BO.F\_EmpDisplayName.setValue(BOA.getValue());

## Update another Volt database when Submit button is clicked

Form Properties

Single submission per authenticated user – No

Upon Submission – Show Success massage in a dialog box and display next stage of the form.

Call a service to prepopulate – No

Page Properties

Display Stage Action buttons on this page -Yes

Accessibility Page Role – Document

Access – Stage Settings

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Roles** | **Create** | **Read** | **Update** | **Delete** |
| Form1- Start |  |  |  |  |
| Administrator |  |  |  |  |
| Initiator | Y |  |  |  |
| Record Owner |  |  |  |  |
| Form1 - Submitted |  |  |  |  |
| Administrator |  | Y | Y | Y |
| Initiator |  |  |  |  |
| Record Owner |  | Y |  |  |
| Form1 - End |  |  |  |  |
| Administrator |  | Y |  | Y |
| Initiator |  |  |  |  |
| Record Owner |  | Y |  |  |

Stages

Form1 – Page1:

Start - ST\_Start

Submit - S\_Submit

Title - Submit

ID – S\_Submit

Hover text: Submit the form for creation

Action completion message: Your data has been successfully submitted.

Activities – Call a Service

Select from Service Catalog – HCL Domino Volt Application

EmpMasterData1 / Form1 / Submitted / Update (S\_Update) / Update

Assigned Inputs

Page 1 > EmpCode > Value = Search by (F\_EmpCode) "EmpCode"

Page 1 > MobileNo1 > Value = Update (F\_MobileNo1) "MobileNo1"

Assigned Outputs (not mandatory, but useful as a status update)

Number of records = Page 1 > NumberOfMatches > Value

Found Matches = Page 1 > MatchFound > Value

Details

Title - EmpMasterData1 / Form1 / Submitted / Update (S\_Update) / Update

Description -

Next Stage: Submitted

Cancel - S\_Cancel

Hover text: Cancel will reset form data

Submitted - ST\_Submitted

S\_Update – S\_Update

Title - Update

ID – S\_Update

Hover text: Update the record.

Action completion message: Your data has been successfully updated.

Activities – Call a Service

Select from Service Catalog – HCL Domino Volt Application

EmpMasterData1 / Form1 / Submitted / Update (S\_Update) / Update2

Assigned Inputs

Page 1 > EmpCode > Value = Search by (F\_EmpCode) "EmpCode"

Page 1 > MobileNo1 > Value = Update (F\_MobileNo1) "MobileNo1"

Assigned Outputs (not mandatory, but useful as a status update)

Number of records = Page 1 > NumberOfMatches > Value

Found Matches = Page 1 > MatchFound > Value

Details

Title - EmpMasterData1 / Form1 / Submitted / Update (S\_Update) / Update2

Description -

Next Stage: Submitted (to enable more than one submissions)

Cancel - S\_Cancel1

Hover text: Cancel will reset form data

End - ST\_End

This stage has no actions defined.

## Populate EmpDisplayName field with record selected in Search by Employee Name field

Field: Search by Employee Name (F\_EmpDisplayNameDD) Drop Down

Field: EmpDisplayName (F\_EmpDisplayName) Single Line Entry

F\_EmpDisplayNameDD Properties – Call a service - Service (EmpMasterData0 / Form1 / Search)

Inputs: No assignments

Outputs:

|  |  |
| --- | --- |
| Searched Records > Result (F\_EmpDisplayName) "EmpDisplayName" | Page1 > Search by Employee Name > Options > Saved Value |
| Searched Records > Result (F\_EmpDisplayName) "EmpDisplayName" | Page1 > Search by Employee Name > Options > Displayed Value |

F\_EmpDisplayNameDD Events – onItemChange – Custom Actions

BO.F\_EmpDisplayName.setValue(BOA.getValue());

## Retrieve other fields, based on current value in EmpDisplayName field

F\_EmpDisplayName Events – onItemChange – Call a service - Service (EmpMasterData0 / Form1 / Retrieve)

Inputs:

|  |  |
| --- | --- |
| Page1 > EmpDisplayName > Value | Retrieve by (F\_EmpDisplayName) "EmpDisplayName" |

Outputs:

|  |  |
| --- | --- |
| Result (F\_EmpCode) "EmpCode" | Page1 > EmpCode > Value |

## EmpMasterData1UpdateUI:

## Retrieve CurrentLoggedInUser’s data from EmpMasterData0 & EmpMasterData1

Field: CurrentLoggedInUser (F\_LoggedInUser) Single Line Entry

Field: CurrentLoggedInUserNotesId (F\_LoggedInUserNotesId) Single Line Entry

Field: CurrentLoggedInUserEmpCode (F\_LoggedInUserEmpCode) Single Line Entry

Field: CurrentLoggedInUserEmpName (F\_LoggedInUserEmpName) Single Line Entry

Field: EmpCode (F\_EmpCode) Single Line Entry

Field: EmpDisplayName (F\_EmpDisplayName) Single Line Entry

F\_LoggedInUser Events – onShow – Custom Actions

/\* Add your own JavaScript here. \*/

item.setValue(app.getCurrentUser())

F\_LoggedInUser Events – onItemChange – Custom Actions

/\* Add your own JavaScript here. \*/

BO.F\_LoggedInUserNotesId.setValue(BOA.getValue());

F\_LoggedInUserRole – onShow – Custom Actions

/\* Add your own JavaScript here. \*/

item.setValue(app.getCurrentUserRoles());

var strLoggedInUserRole = item.getValue();

var numUserRoleIsAdmin = strLoggedInUserRole.search("Admin");

if (numUserRoleIsAdmin >= 0) {

BO.F\_UserRoleIsAdmin.setValue("Y");

}

else {

BO.F\_UserRoleIsAdmin.setValue("N");

}

F\_UserRoleIsAdmin – Rule 1

When UserRoleIsAdmin has value

Disable CurrentLoggedInUser, UserRole, UserRoleIsAdmin, EmpDisplayName, EmpCode – F\_EmpCode, EmpCode – F\_EmpCode2, CurrentLoggedInUserNotesId

F\_EmpDisplayNameDD – Rule 2

When UserRoleIsAdmin equals N

Disable Search By Employee Name

Field: Search by Employee Name (F\_EmpDisplayNameDD) Drop Down

Field: EmpDisplayName (F\_EmpDisplayName) Single Line Entry

F\_EmpDisplayNameDD Properties – Call a service - Service (EmpMasterData0 / Form1 / Search)

Inputs: No assignments

Outputs:

|  |  |
| --- | --- |
| Searched Records > Result (F\_EmpDisplayName) "EmpDisplayName" | Page1 > Search by Employee Name > Options > Saved Value |
| Searched Records > Result (F\_EmpDisplayName) "EmpDisplayName" | Page1 > Search by Employee Name > Options > Displayed Value |

F\_EmpDisplayNameDD Events – onItemChange – Custom Actions

/\* Add your own JavaScript here. \*/

var strUserRoleIsAdmin = BO.F\_UserRoleIsAdmin.getValue();

if (strUserRoleIsAdmin = "Y")

BO.F\_EmpDisplayName.setValue(BOA.getValue());

F\_LoggedInUserNotesId Events – onItemChange – Call a service - Service (EmpMasterData1 / Form1 / Retrieve)

Inputs:

|  |  |
| --- | --- |
| Page1 > CurrentLoggedInUserNotesId > Value | Retrieve by (F\_EmpNotesId) "EmpNotesId" |

Outputs:

|  |  |
| --- | --- |
| Result (F\_EmpNotesId) "EmpNotesId" | Page1 > CurrentLoggedInUserNotesId > Value |
| Result (F\_EmpCode) "EmpCode" | Page1 > EmpCode > Value |
| Result (F\_EmpCode) "EmpCode" | Page1 > F\_TabbedFolder1 > Self Update Data > EmpCode > Value |
| Result (F\_EmpCode) "EmpCode" | Page1 > CurrentLoggedInUserEmpCode > Value |

F\_EmpDisplayName Events – onItemChange – Call a service - Service (EmpMasterData0 / Form1 / Retrieve)

Inputs:

|  |  |
| --- | --- |
| Page1 > EmpDisplayName > Value | Retrieve by (F\_EmpDisplayName) "EmpDisplayName" |

Outputs:

|  |  |
| --- | --- |
| Result (F\_EmpCode) "EmpCode" | Page1 > EmpCode > Value |

F\_EmpDisplayNameDD Properties – Call a service - Service (EmpMasterData0 / Form1 / Search)

Inputs: No assignments

Outputs:

|  |  |
| --- | --- |
| Searched Records > Result (F\_EmpDisplayName) "EmpDisplayName" | Page1 > Search by Employee Name > Options > Saved Value |
| Searched Records > Result (F\_EmpDisplayName) "EmpDisplayName" | Page1 > Search by Employee Name > Options > Displayed Value |

F\_EmpDisplayNameDD Events – onItemChange – Custom Actions

BO.F\_EmpDisplayName.setValue(BOA.getValue());