

vaakya™

Walk Through

DevoSA (Vaakya Rich IDE)

with

'JUMPSTART' App

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Table of Contents

Overview	3
References	3
Abbreviations Used	3
Steps to Walk Through.....	4
Import Components	4
Create 'JUMPSTART' Project.....	4
Create Type	4
Create Data Object to Store Information	5
Create Proc to Manipulate Data.....	6
Create WebProc.....	6
Upload Dynamic HTML Template	7
Create Static HTML Page.....	7
Execute Project	7

Overview

'JUMPSTART' App is a sample 'Quick Start Application' to get a feel of DevoSA (Vaakya Rich IDE)

This is a quick guide for application programmers, developers and application architects who wish to walk through (without coding) the process of creating enterprise web applications using DevoSA (Vaakya Rich IDE).

This guide helps you to understand

- Use of DevoSA (Vaakya Rich IDE)
- To create, import & to use project components
- Use static & dynamic html pages
- Collect data from html pages.
- Store and retrieve data from Vaakya Database Objects with basic validations
- Use html templates with Vaakya dynamic variables.

However, if you wish to create a Web application by coding using DevoSA (Vaakya Rich IDE), then view the document –
Vaakya Web Application Development Tutorial (Beginners).pdf

References

Please refer the following documents along with this document

- Vaakya DevoSA Installation Guide
- Vaakya DevoSA (Vaakya Rich IDE) Guide

Abbreviations Used

<i>Abbreviation</i>	<i>Description</i>
<i>IDE</i>	Integrated Development Environment
<i>cfg</i>	Configuration
<i>.prj</i>	Vaakya Project Development File
<i>.vuf</i>	Vaakya Project Deployment File
<i>.vxe</i>	Vaakya Executable File
<i>.cmp</i>	Vaakya IDE Component File
<i>.pck</i>	Vaakya Pack File

Steps to Walk Through

Follow the steps below to import readily available project components (cmp) provided with the JUMPSTART.zip file

- Install & Start DevoSA (Vaakya Rich IDE)- refer to DevoSA Installation Guide
- Download & Unzip JUMPSTART.zip file
- Zip file contains folder 'COMPONENTS', 'TEMPLATES' & 'index.html' file

Import Components

- Open 'COMPONENTS' folder from above
- Copy & Paste all files in 'COMPONENTS' folder into
VAAKYA\ZONESERVER\DEVOSA\CORPUS\IDESAI\IMPORT

Create 'JUMPSTART' Project

- Launch DevoSA (refer DevoSA Guide for help)
- Go to IDE Menu → Project → Create
- Type project name as '**JUMPSTART**' & Save
- Go to Menu → Project → Load & select '**JUMPSTART**'

Create Type

- Go to Components → Type → New
- Create a new Type '**typUser**'.
- Right click on '**typUser**' and choose 'Import'
- Select File '**JUMPSTART_typUser.cmp**' (press F1, click on , select JUMPSTART_typUser.cmp and click on)
- Enter the key as '1111 1111 1111 1111' and import the file

Type Name : typUser

'**typUser**' is a temporary data storage component used for manipulating the request and composing the response.

Click on component **typUser** to view the following fields.

Column	Data type	Dims	Size
UserName	Text	0	40
CompanyName	Text	0	60
Address	Text	0	255
PhoneNumber	Text	0	15
EmailId	Text	0	60
Message	Text	0	
Submit	Text	0	10
UserData	Text	0	
Count	Int	0	
Id	Int	0	

Create Data Object to Store Information

- Go to Components →Object→New
- Create a new Object '**User**'.
- Right click on '**User**' and choose 'Import'
- Select File '**JUMPSTART_User.cmp**' (press F1, click on , select JUMPSTART_User.cmp and click on)
- Enter the key as '1111 1111 1111 1111' and import the file

Object Name : User

Component '**User**' is a Vaakya database component. The following are the attributes of the '**User**' database.

Click on component '**User**', to view the following fields.


Storage Constructor Tab

Column	Data type	Dims	Size
UserName	Text	0	40
CompanyName	Text	0	60
Address	Text	0	255
PhoneNumber	Text	0	15
EmailId	Text	0	60

Key Constructor Tab

Label	Key Format	Var
User	EmailId(60)	True

Create Proc to Manipulate Data

- Go to Components →Proc→New
- Create a new Proc '**proUserData**'.
- Right click on '**proUserData**' and choose 'Import'
- Select File '**JUMPSTART_proUserData.cmp**' (press F1, click on , select JUMPSTART_proUserData.cmp and click on)
- Enter the key as '1111 1111 1111 1111' and import the file
- Click on **proUserData**, to see the content of this Proc.

proUserData is the Proc component used to retrieve data from the User database and to compose the response with the data.

Create WebProc

Create following WebProcs

- Use Components →WebProc→New
 - Create '**vspAddUser**'
 - Create '**vspViewUsers**'
 - Create '**vspAjaxCheckEmail**'

- Right click on '**vspAddUser**' , choose 'Import'
- Browse **JUMPSTART_vspAddUser.cmp** file.
- Enter the common license key - '1111 1111 1111 1111' and import the files
- Follow the above steps for '**vspViewUsers**' & '**vspAjaxCheckEmail**' components
- Note – License Key is common for all components
- Click on the above components, to view the respective Web Proc Content.

WebProc – '**vspAddUser**'

vspAddUser is the WebProc component used for composing the Add User page and to receive data through the request. The data received is saved into the User database after basic validations.

WebProc – '**vspViewUsers**'

vspViewUsers is the WebProc component used for displaying the records from the User database.

WebProc – '**vspAjaxCheckEmail**'

vspAjaxCheckEmail is the WebProc component used to validate the availability of the User Email Id in the User database before the User data is saved.

Upload Dynamic HTML Template

- Copy and Paste 'html' files from the downloaded TEMPLATES folder into **\VAAKYA\ZONESERVER\DEVOSA\CORPUS\IDESA\TEMPLATES\JUMPSTART**
- Go to Components → Template → New
- Create new Templates '**AddUser**', '**ViewUsers**' and '**Response**'
- Click on any Template name. A 'Template Upload' window will be displayed.
- Click on 'Select All' check box and Save

Create Static HTML Page

- Copy and paste already downloaded 'index.html' file into **/VAAKYA/ZONESERVER/DEVOSA/CORPUS/STATIC/JUMPSTART/DEFAULT**

Execute Project

- Go to IDE Menu → Test Project → Create Executable
- Click 'Select All' option → Click on OK
- Open browser and type the URL to launch DevoSA Manager
http://127.0.0.1:9000/VAAKYA/DEVOSA/CORPUS/STATIC/IDEMANAGER/DEFAULT/index.html
- Go to IDE Menu → Start/Stop Project
- Start 'JUMPSTART' project
- Click on the project URL to view the 'JUMPSTART' application.

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