Deploying Application on salesforce.com

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This session will discuss possible approach and techniques to integrate CA 2E, IBM i Web service server and salesforce.com to generate, deploy and expose an IBM i application via salesforce.com

Agenda

- What is Cloud/salesforce.com

- Overview/Demo

- Q&A

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What is Cloud and salesforce.com

- Cloud computing fundamentally means, using a program/business logic stored on a computer somewhere else and accessed over internet.

- Leading cloud service providers are Amazon, IBM, CA, salesforce etc.

- salesforce.com Inc. is a global cloud computing company.

Benefits of integrating 2E and salesforce.com

- Some of the benefits of combining 2E and salesforce.com are
  - ❑ Rapidly build best in class business application using CA 2E
  - ❑ bandwidth flexibility to meet business demands
  - ❑ Modern GUI with modern application access tools to access the application
  - ❑ Fast to deploy – useful tools to build your GUI and automated process
  - ❑ Disaster recovery – cloud service provider takes care of it
  - ❑ Platform independent – any device with internet connection

WSDL file

- We used an externally available web service that provides stock quote for any company.

  – http://www.webservicex.net/stockquote.asmx

- Downloaded its WSDL file and edited it.

Original WSDL

Modified WSDL

Creating classes

- A class is a template or blueprint from which objects are created.

- It is very easy to create APEX classes that make the callout to Web Service.

- Click on your Name ⟶ Setup ⟶ Develop ⟶ Apex Classes to view or create new classes.

- Upload the modified WSDL to salesforce where the WSDL will be parsed and corresponding APEX class will get created.

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Creating classes

Understanding Classes

User Interface

- salesforce provides VisualForce framework that lets us build custom user interfaces that can be hosted natively on Force.com platform.

- VisualForce framework uses a tag-based mark up language similar to HTML and a VisualForce controller.

- This user interface will be interacting with the Web Service using a controller.

- It is very easy to create pages on salesforce.

- Click on your Name → Setup → Develop → Pages to view or create new pages.

- We can use the "Development Mode" to design and build pages by entering a unique URL. For example, modify the URL as shown below to create a new page called "GetValuesPage"
  - https://cs11.salesforce.com/066/e?retURL=%2Fapexpages%2Fsetup%2FlistApexPage.apexp
  - https://c.cs11.visual.force.com/apex/GetValuesPage
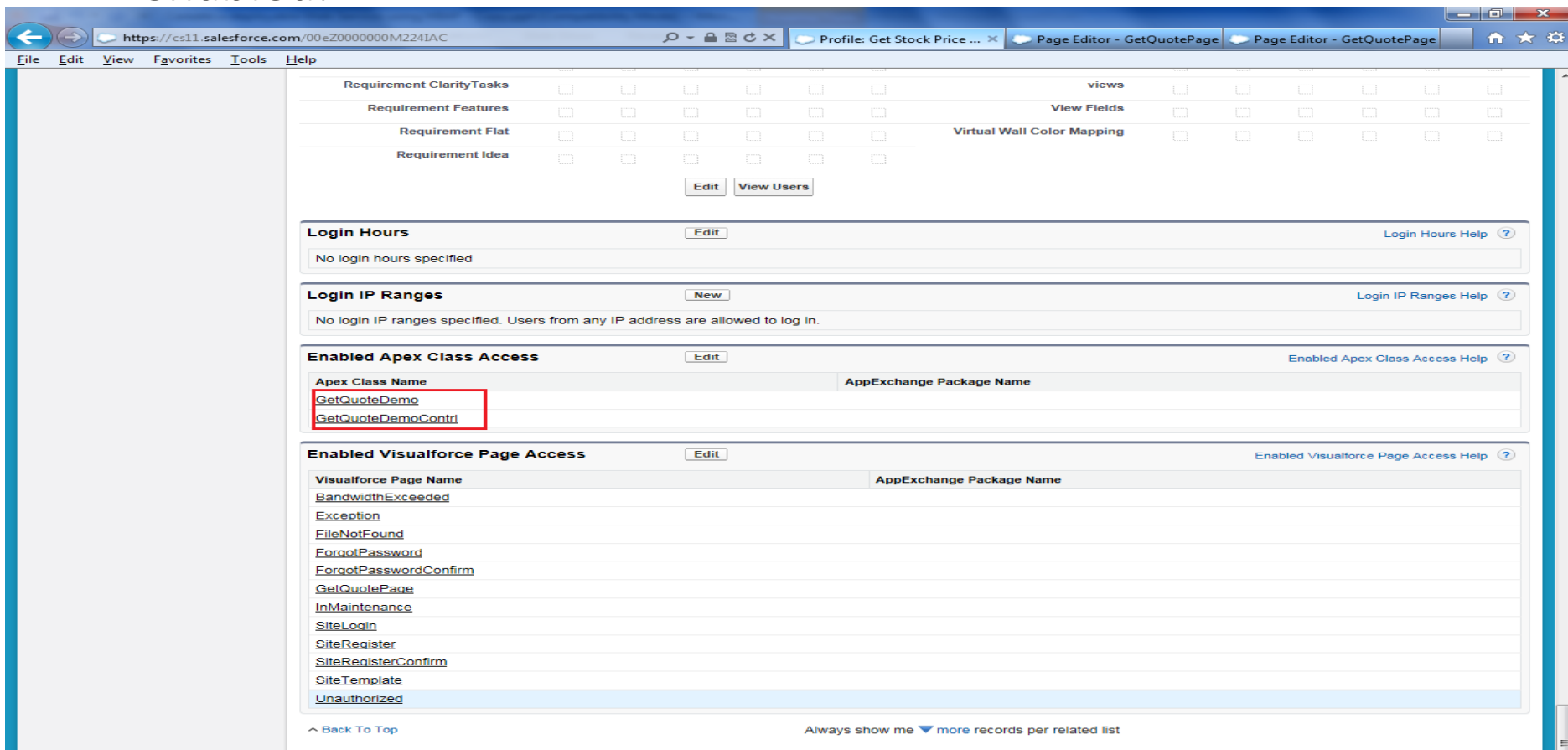
User Interface

Controller Class

- A Visualforce controller is a set of instructions that specifies what happens when a user interacts (clicks on a button or a link) with the Visualforce page.

- It is an APEX class and, works as a link between page and the class that makes a callout to the Web Service.

Building Site

- Force.com sites enable you to create public websites and applications that are directly integrated with your salesforce.com organization—without requiring users to log in with a username and password.

- Sites are hosted on Force.com servers and are built on native Visualforce pages.

- Click on your Name → Setup → Develop → Sites to view or create new Sites.

- Attach the pages to the site and provide a unique URL for the site.

Public Access Settings

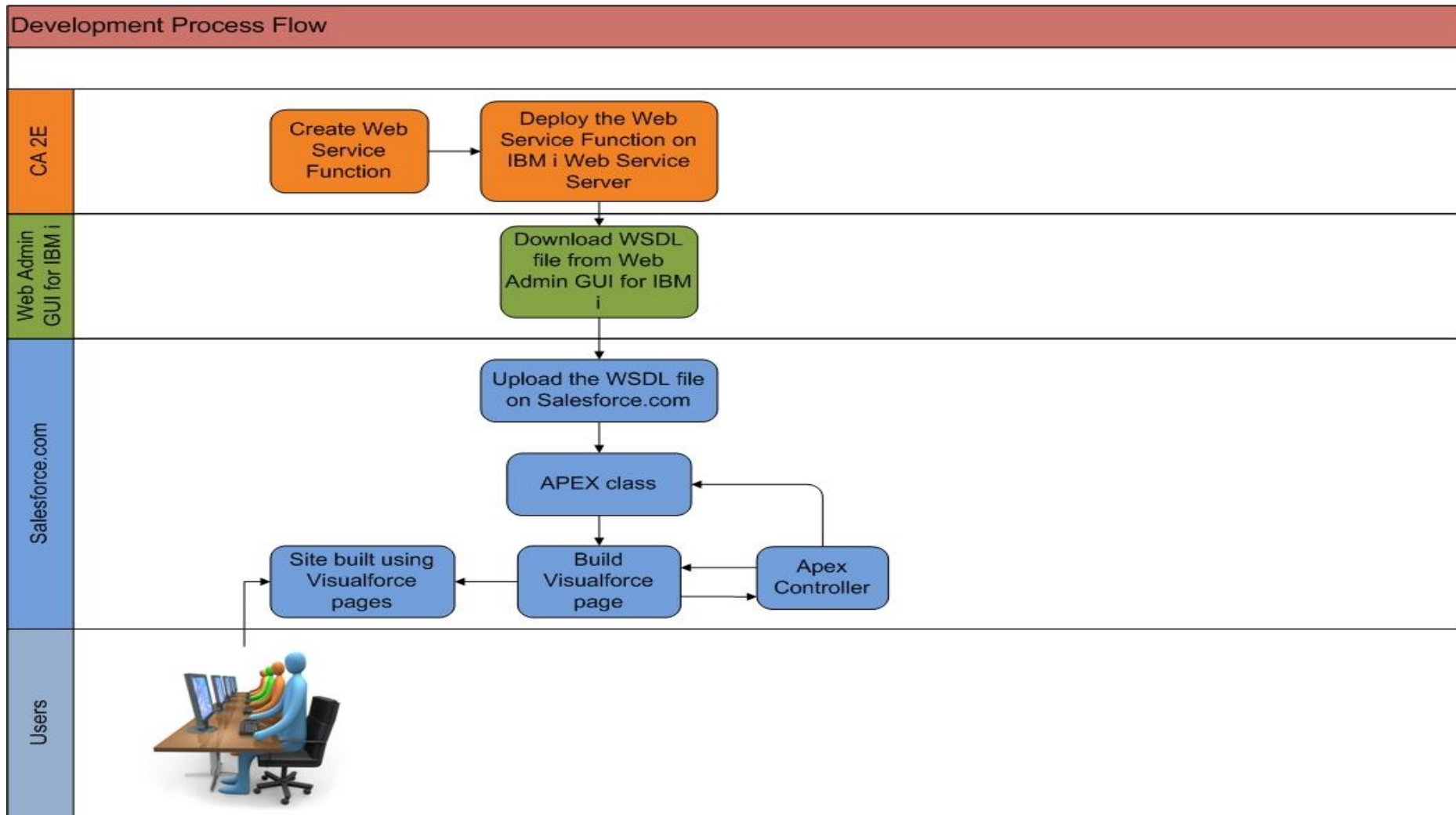- Make sure all the APEX classes related to this application are enabled.

Overall Flow

Development Process Flow

Q&A