APPLICATION ARCHITECTURE

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The Salesforce Application Architect Domain

Prerequisites and the Continued Journey

The Salesforce Application Architecture domain comprises the more declarative designer domains:

- Application Architecture
- Apex and Visualforce
- Data Architecture and Management
- Sharing and Visibility and
- Communities Architecture

At the designer level, an architect masters skill sets and concepts specific to each domain. However, at the domain level, the architect is expected to utilize these disparate skills and concepts almost like building blocks to design and articulate an optimal architectural solution for enterprise business customers.

Isaac and Mike

In this course we will follow Isaac, a certified Technical Architect, as he mentors Mike, a recently promoted architect hoping to develop the expertise necessary to maneuver the landscape of Application Architecture.

The pair will jointly tackle a hypothetical scenario that mirrors real life architectural challenges. Isaac outlines the specific steps an architect should follow in order create an optimal solution that addresses all of the scenario's functional requirements.

United Food Suppliers

United Food Suppliers (UFS) has been in business about 50 years, supplying consumer goods and perishables to restaurants and small grocery stores. Recently, it has decided to start selling to individuals.

6 months ago, UFS has launched a CRM pilot based on the Salesforce.com CFA product. The pilot was launched to a small number of sales representatives and used minimal configuration updates. The pilot, while well-liked by the management, was not well received by the overall sales representative population. An analysis showed that the culture of the sales team was very secretive, with team members concerned that their sales opportunities would be taken advantage of by their coworkers. Additionally, sales representatives were not used to entering data, so filling out long forms was seen only as an overhead, with no clear benefit. Other departments, such as order fulfillment and sales management were, however, delighted to have some insight into the pipeline, and UFS leadership decided to roll out CRM company-wide, for both Sales and Service.

Module 1: Hypothetical Scenario

Module 2: Gather and Define Functional Requirements

Module 3: Functional Design

Module 4: Create a Data Model

Module 5: Create a Security Model

Module 6: Cloud Functionality

Clean Bikes

Having observed Isaac and Mike present comprehensive architectural solutions to a complicated business use case, it is now your turn to try your hand at deconstructing a hypothetical scenario and designing an optimal declarative solution that includes a proposed data model and role hierarchy.

Click here to download the Clean Bikes hypothetical scenario (password is przmuepd).

Click here for the Application Architect Checklist that will aid you in your solutioning process. (password RmrEgUqd)

Solution Key

Now that you have outlined a detailed solution for the Clean Bikes business requirements and created both a data model and a role hierarchy, please click <u>here</u> for the Solution Key (password DpRRmhCy) and <u>here</u> (password GIGDFQrf) for the suggested data model and role hierarchy.

If you would like to discuss your proposed solution with your System Architect peers, please join the Salesforce Architect Success Group in the Salesforce Success Community. Here you will be able to bounce your ideas off of fellow architects who have also designed their own solutions to the Clean Bikes hypothetical scenario.