VIDEO 1

Project Name:

Customer_Loyal_AC000000UXX

Description:

Customer Loyalty Program Model and Services AC000000UXX

Dev Space:

AC000000UXX

VIDEO 2

Texto 1

Design a customer loyalty program application. Define 3 data entities: Customers, Purchases and Redemptions. Each customer must have the following fields: name, email, 7-digit customer number, total purchase value, total reward points, 'total redeemed reward points'. All fields for each customer should be integer except name and email that will be stored as string. Purchases should include the following fields: purchase value, reward points and selected product. All fields in Purchases must be integer except selected product. Redemptions must have 1 field in integer: redeemed amount. Each purchase and redemption will be associated to a customer. Use Association instead of compositions.

Texto 2

Enhance my sample data with meaningful data. All customer numbers will be 7 digits and one customer must use the customer number 1200547. No field may be empty. Total purchase value must be smaller than 10000. Total reward points and total redeemed reward points both must be unround and different and always sum to one-tenth of total purchase value for each customer.

Texto 3

Enhance my sample data with meaningful data using electronic office products. Each 'purchaseValue' will be between 50 and 1000. Ensure that each 'rewardPoints' is always one-tenth of the 'purchaseValue'. Ensure that the 'customer' field is populated.

Texto 4

Ensure that each redeemed amount is different and between 10 and 100.

VIDEO 3

Texto 1

Reward points of each purchase will be the one-tenth of the purchase value. Each purchase value will be added to the total purchase value of the related customer. Each reward points will be added to the total reward points of the related customer.

Texto 2

Deduct the redemption amount from 'totalRewardPoints' of the related customer. Add the same

redemption amount to the 'totalRedeemedPoints' of the related customer.

VIDEO 5

Purchases

Display name: Purchases
Description: Manage Purchases
Data Source: customer_loyal_AC000000UXXSrv
UI Application type: Template-Based Responsive Application
UI Application Template: List Report Page
Main Entity: Purchases

Customer

Display name: Customers
Description: Manage Customers
Data Source: customer_loyal_AC000000UXXSrv
UI Application type: Template-Based Responsive Application
UI Application Template: List Report Page
Main Entity: Customers

Redemptions

Display name: Redemptions
Description: Manage Redemptions
Data Source: customer_loyal_AC000000UXXSrv
UI Application type: Template-Based Responsive Application
UI Application Template: List Report Page
Main Entity: Redemptions

Selected Product Value Help Properties

Label: Product
Value Source Entity: A_ProductBasicText

VIDEO 7

Template

TA_Bonus_Barcode_Template

Project Name

Bonus_Barcode_AC000000UXX

Description

SAP Build Apps UI for the customer loyalty program application AC000000UXX

VIDEO 8

Data Variables

Customers1 Formula: INTEGER(params.SelectedCustomerNumber)

Page Variables

Variable 1: PurchaseValue (type: number)
Variable 2: SelectedProduct (type: text)

Dropdown

Label: Select Product

Formula: MAP(data.A_ProductBasicText1, {label:item.Product, value:item.Product})

Input Field

Label: Purchase Value

Button

Label: Add Points!

Create record Formulas

ID: GENERATE_UUID()
customer_ID: data.Customers1[0].ID
purchaseValue: INTEGER(pageVars.PurchaseValue)

Dialog title Formula: data.Customers1[0].name + " has successfully earned " + outputs["Create record"].response.rewardPoints + " points!"

VIDEO 9

Page Variables

Variable 1: RedemptionAmount (type: number)

Data Variables

Customers1 Formula: INTEGER(params.SelectedCustomerNumber)

Button

Label: Redeem Points!

Create record Formulas

ID: GENERATE_UUID()
customer_ID: data.Customers1[0].ID
redeemedAmount: INTEGER(pageVars.RedemptionAmount)

Dialog title Formula: data.Customers1[0].name + " has redeemed " + pageVars.RedemptionAmount + " successfully"

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Redeem Points

Card 1:

Title: "Customer Number: " + data.Customers1[0].customerNumber

Content: "Customer Name: " + data.Customers1[0].name

Card 2:

Title: data.Customers1[0].totalRewardPoints

Card 3:

Title: data.Customers1[0].totalRedeemedRewardPoints

Card 4:

Title: data.Customers1[0].totalPurchaseValue

New Purchase

Card 1:

Title: "Customer Number: " + data.Customers1[0].customerNumber

Content: "Customer Name: " + data.Customers1[0].name

Card 2:

Title: data.Customers1[0].totalRewardPoints

Card 3:

Title: data.Customers1[0].totalRedeemedRewardPoints

Card 4:

Title: data.Customers1[0].totalPurchaseValue