Software Requirement Specification: SAC Analytic App Designer

The Best-fit Apparel Co.

Created By: **Anubhav Oberoy**
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User Persona:

 Rohan works as **Lumira artist** with one of the biggest apparel giants based out of Canada. He has been an expert in multiple BI and analytic tools. He responsible for the overall design of custom scenarios in the product and test assets. He is working with best-fit apparel since July last year, and have 7 years of software industry experience. During his career he worked extensively on functional and non-functional use cases of HANA applications, custom application designs for analytics, developed SAP UI5 applications as well.

He also trains colleagues in various innovative test practices like UX designs, Mock up tools, application best practices. he has a bachelor's degree in Computer Science Engineering from IIT Kanpur. Rohan is empowering everything from the apparel solution design program to the UX roll-outs, if there's an ongoing need for people who can create the software programs that run on SAC, He is the choice of management with experience on various topics.

Job Functions:

- Develop intuitive, usable, and engaging interactions and visual designs for mobile/desktop and tablets.
- Provide strategic thinking and leadership.
- Collaborate with cross-functional teams throughout the design process
- Participate in the development process from definition, through design, build, test, release, and maintenance.
- Stay abreast of UX trends and look for creative ideas and inspiration in parallel analogous worlds.
- Research and track advancements in mobile application design patterns.
- Break any design problem down into viable actionable chunks and solve them with clarity and precision.
- Staying in the loop and on top of the latest standards, changes, trends in the mobile design field.
- Allow custom scenarios to be designed where Analytics can turn into Actions which are data driven.

The Business Story

Rohan was invited by the sales office of the company to help them design an analytic application which can cater to their custom needs. The users would like to have an analytic application which not just give them the insight of sales data but also allows them to slice, search and drill-down in to the data based on various controls like dropdowns, checkboxes, selections, charts etc.

Some of the key requirements and design goals are:
- Allow quick search of the data based on product and regions where the business has data
- Drilldown into the data with click of buttons, and selection of rows as well as hierarchies
- Calculate the logistic means of different values and find correlation of data
- Launch Smart features or trigger them based on click of a button
- Allow one click planning for end users

Below is the screenshot of all the sales department data

Category	Lines	City	Country	Date	Manage	Quantity sold	Sales Revenue	Gross Margin	Discount	Custome
Jewelry	Accessories	Nairobi	Kenya	#####	Anne C	50.00	123.00	47.00	9.84	0.95
Belts,bags,wallets	Accessories	Nairobi	Kenya	#####	Anne C	2,100.00	7,498.00	2,841.00	999.70	0.85
Samples	Accessories	Nairobi	Kenya	#####	Anne C	1,350.00	3,142.00	1,049.00	293.23	0.91
Hats,gloves,scarves	Accessories	Nairobi	Kenya	#####	Anne C	100.00	262.00	84.00	34.90	0.85
Lounge wear	Accessories	Nairobi	Kenya	#####	Anne C	450.00	1,092.00	262.00	72.80	0.81
Hair accessories	Accessories	Nairobi	Kenya	#####	Anne C	350.00	1,102.00	109.00	132.21	0.91
Jewelry	Accessories	Shangh	China	#####	Coe Li	100.00	196.00	75.00	9.84	0.94
Belts,bags,wallets	Accessories	Shangh	China	#####	Coe Li	3,300.00	11,996.00	4,545.00	749.80	0.90
Samples	Accessories	Shangh	China	#####	Coe Li	2,100.00	5,027.00	1,678.00	282.78	0.90
Hats,gloves,scarves	Accessories	Shangh	China	#####	Coe Li	150.00	418.00	135.00	18.34	0.93
Lounge wear	Accessories	Shangh	China	#####	Coe Li	700.00	1,747.00	420.00	98.28	0.86
Hair accessories	Accessories	Shangh	China	#####	Coe Li	550.00	1,763.00	174.00	55.10	0.84
Jewelry	Accessories	Santiag	Chile	#####	David C	100.00	268.00	135.00	93.90	0.84

The below section explains the requirements and goals of application design

Requirement 1: Create a simple data table with Product wise sales and revenue

	Quantity sold	Sales Revenue
∨ (all)	55,751,678.00	183,380,396.45
> Accessories	16,137,762.00	48,569,271.30
> City Skirts	479,989.00	3,299,409.23
> City Trousers	457,400.00	1,486,635.21
> Dresses	5,059,164.00	14,344,182.26
> Jackets	1,020,152.00	4,982,195.60
> Leather	276,403.00	934,888.30
> Outerwear	2,372,318.00	5,372,739.39
> Overcoats	540,658.00	3,224,439.19
> Shirt Waist	5,646,054.00	19,276,709.08
> Sweat-T-Shirts	17,791,047.00	62,905,059.75
> Sweaters	4,556,568.00	14,487,502.20
> Trousers	1,414,163.00	4,497,364.95

Requirement 2: Enhance the app with dropdown to show Revenue and Discount measures on demand

When user selects Revenue the columns which will be displayed in table will be Revenue and Quantity sold and when user selects Discount as the options, user should see Discount and Gross Margin columns dynamically.

Discount	∨
Revenue	
Discount	

Requirement 3: Add a Numeric Chart with filter bar

The filter bar shows filters for Category, Manager and Country options and Numeric chart shows total Sales revenue. Based on the filter options, the data should filter in the table and numeric chart.

Filter bar

Sales Revenue Chart
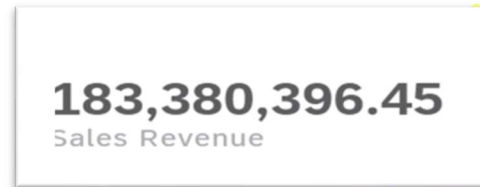
Enhance the app with a title and Clock on the top
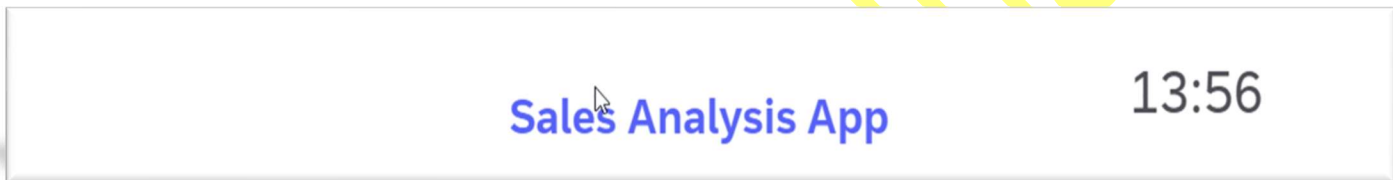
# Requirement 4: Add 2 dropdowns for dimension and hierarchy

The first dropdown will show the dimensions options as Product and Country and Next dropwon will populate all the hierarchy options available for the dimension.
Once the correct dimension and hiearchy option, the data in the table will be filtered automatically.
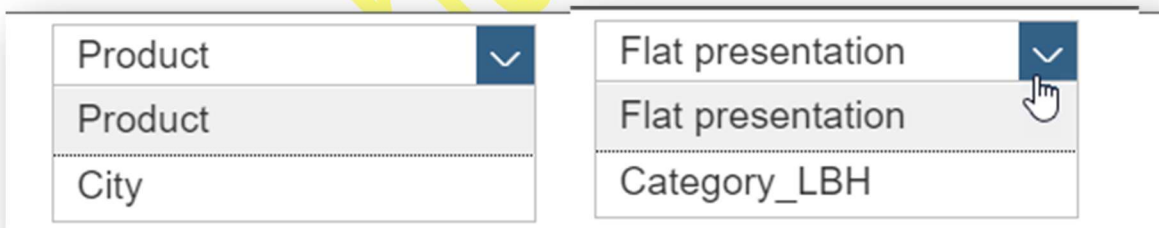
Requirement 5: Add a new bar chart to show the dimensions and measure

When the data in the table changes, the dimensions and measure of the chart should also change.
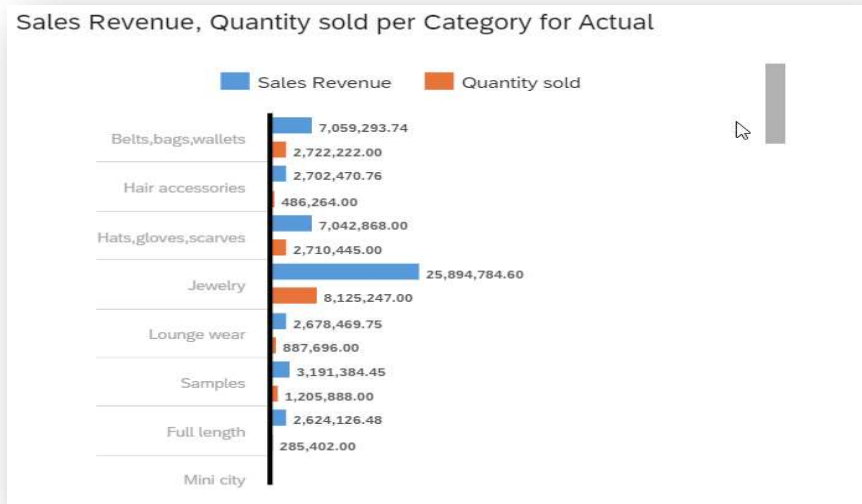
Requirement 6: Dynamically Hide and Show Tables based on checkbox

Depending on selected checkbox, the table and chart control will be visible and hidden at runtime.

Requirement 7: Design a popup with donut chart and show data based on selection of row also

When user clicks on the button a popup with close button opens up which has a close button inside, on click of close button, the popup takes us back to main page.
Also when we select a table record and open popup, the data in the popup should change.
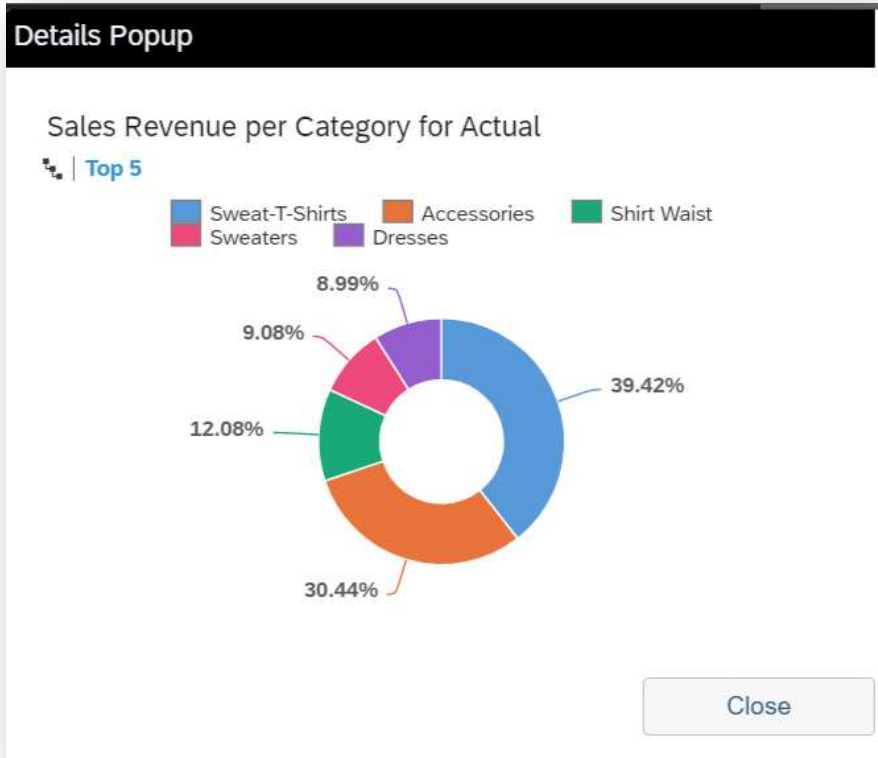
Requirement 8: On selection of table row the data in the chart should change
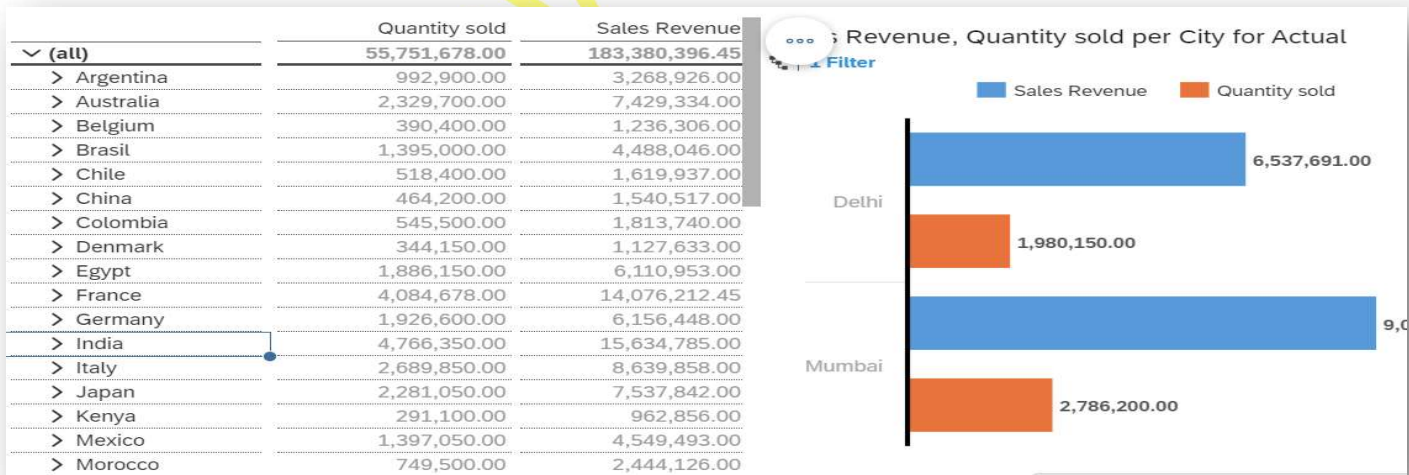
Requirement 9: R-Logic to calculate Logistic mean and chart
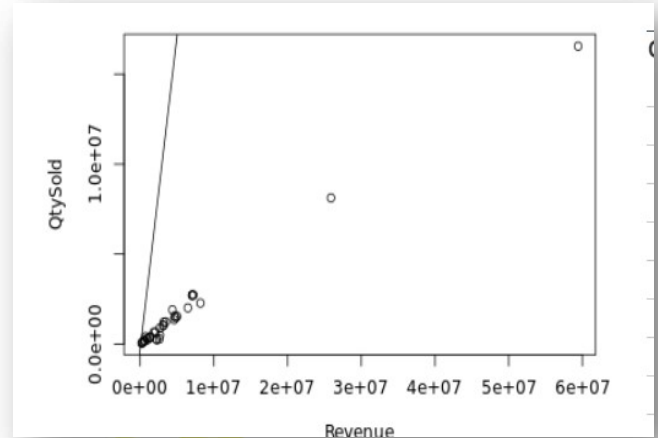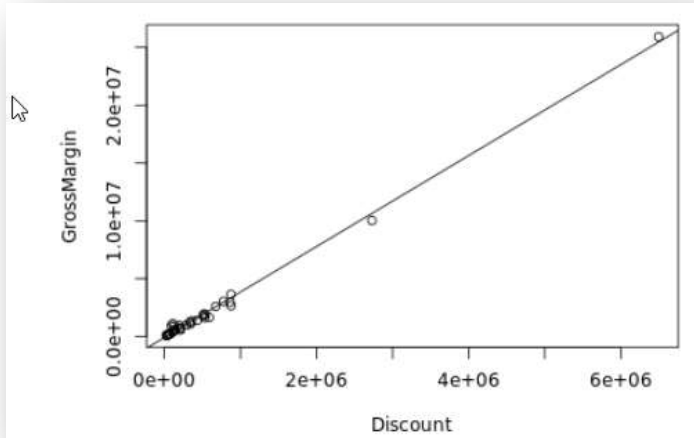
Requirement 10: Perform Automatic Forecast and Grouping with click of a button

Requirement 11: Launch Smart discovery with a button click

Launch Smart Discovery

Requirement 12: Create a planning application to increase cost and profit with input fields

Operating Profit   Enter Text...

Operaring Expense   Enter Text...

Submit   Revert   PublishAs

ModelAnubhavPlanningBatch

	Actual
	Actuals
∨ Finance	
∨ Operating Income	$359.40 Million
> Gross Profit	$3,156.67 Million
> Operating Expenses	$2,797.26 Million
∨ Key Performance Indicators	–
Gross Margin %	50.4 %
Operating Profit %	5.7 %
Operating Exp Ratio	44.7 %
∨ Drivers	–
> Sales	–
∨ Allocation Driver	-$7,100,389,873.00
FTE	$20,259.56
Sales Previous Year	$7.100.41 Million

Requirement 13: Integrate Web Applications inside SAC

Requirement 12: Integrate Story in Fiori App

For detailed training on SAP Analytics cloud with such real time scenarios, feel free to get in touch with us on
contact@anubhavtrainings.com
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