Amazon online pantry

Project task: CBAP Capstone

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Task 1: List of stakeholders

| Actor	What they can do
Customer	- Existing system should have a new feature called ABC Pantry - There should be a logical grouping of products for customers to search for daily essential items they wish to buy. - It should have a feature to show certain offers that are created for customers. - They should be able to add these items to their shopping cart. - Cart may have items from ABC company's nonessential products as well. - The software should not allow the user to place an order of an amount less than $30 - Free Delivery will be offered if the total order exceeds $50
Employee	- They should able to add or remove products within the created categories, based on the availability and general demand - Should able to create and modify offers provided to customers. - Customers may include the vendors also, offers for bulk orders must be different from the regular customers. - They should able to show five advertisements to earn the advertising revenues.
Vendors	- Have separate login for bulk orders. - They should get access to offers on their bulk orders. - Discount on delivery can be provided to them for their orders based on the amount.
Advertisers	- Enable to run, pause or remove ads on the portal. - They should make payments options online - The advertisements should not be too intrusive to spoil the customer interaction with ABC Pantry.
Pantry Managers	- Able to manage the stocks in each category for all brands available to the customer. - Ensure the collection and packaging of the products as per the order received - Must able to view the status of order received and change it accordingly.
Delivery partner	- Should receive information on the delivery to made. - Delivery should be facilitated by the portal through maps, chat and call options.
Management	Access reports at the end of the day like total sales, & Daily reports etc.
Project manager	Will manage the work required to deliver the solution for software that meets business need
SMEs	Look after the changes that can be made to the software for meeting the requirements better and helps in creation of it as a solution

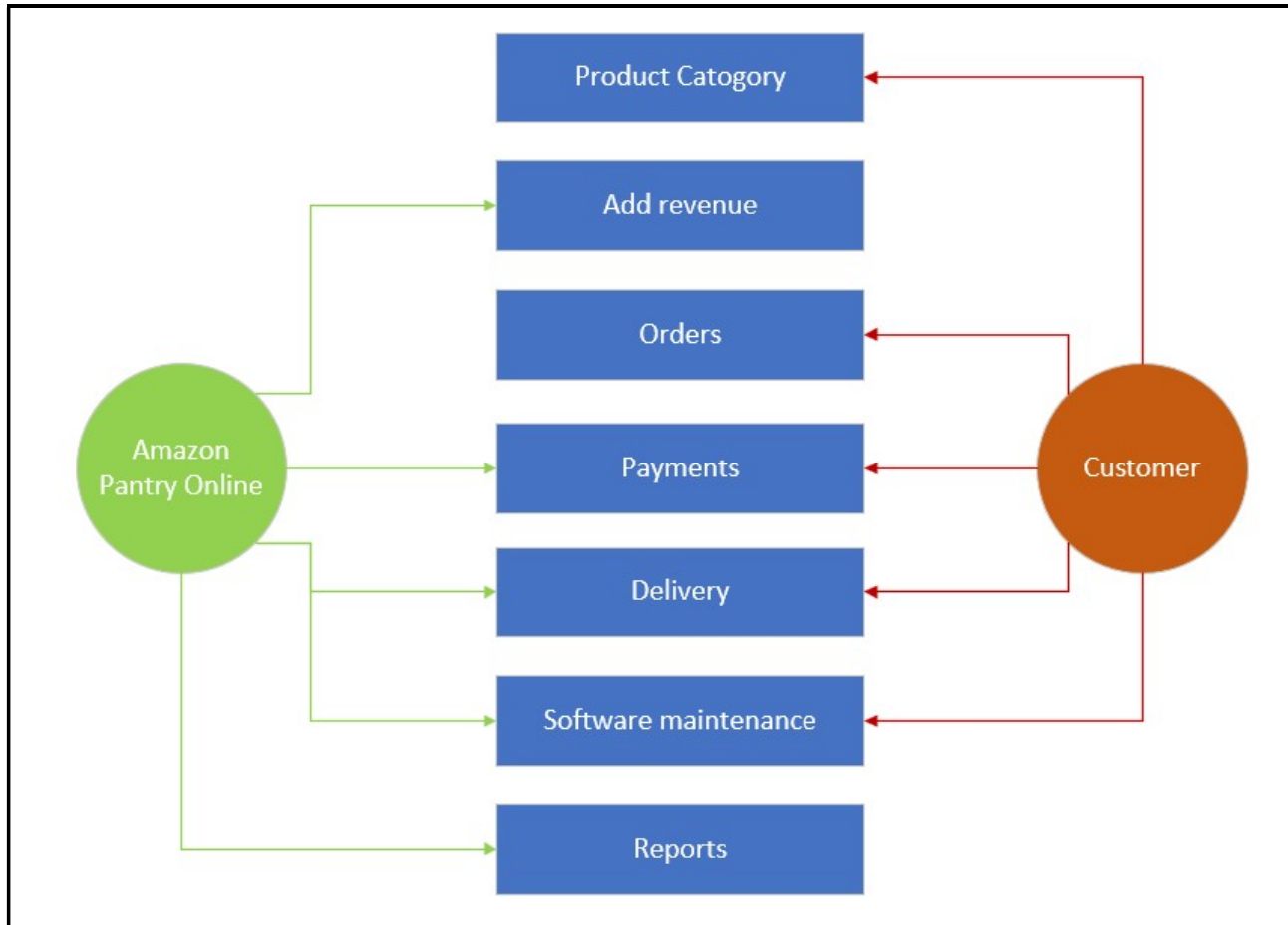|	architect.
Teater	• Verifies that the portal meets the requirements • Quality standards are maintained and risk of failures is minimised before launching it.
BAs	• Ensure all requirements reported and communication between stakeholders regarding the same is done

Task-2:

As-is Process map
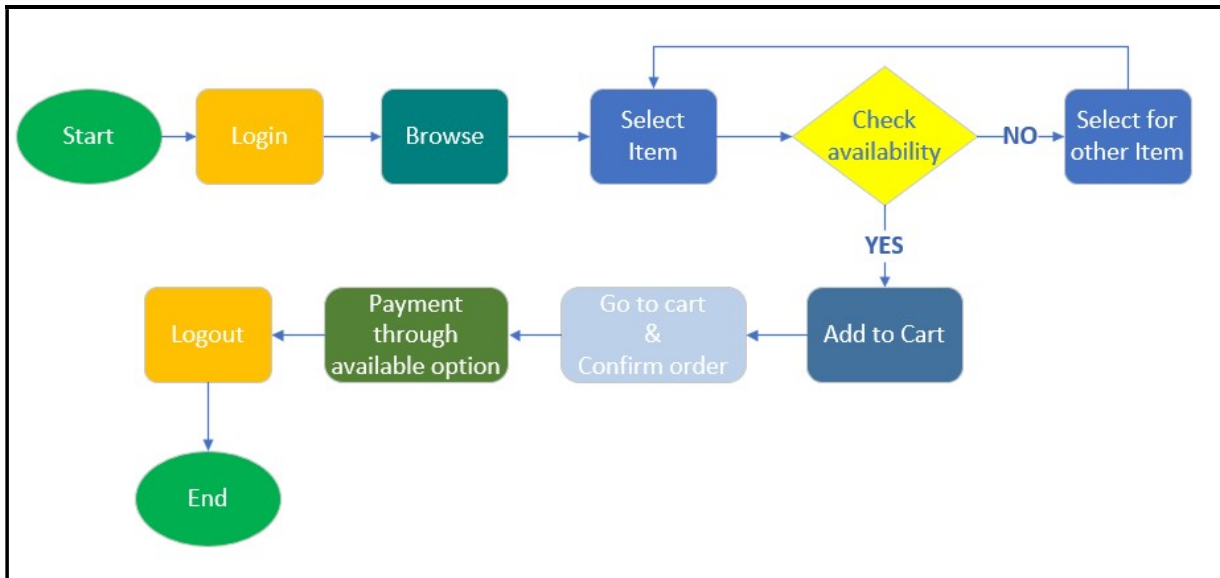
Future Process Map
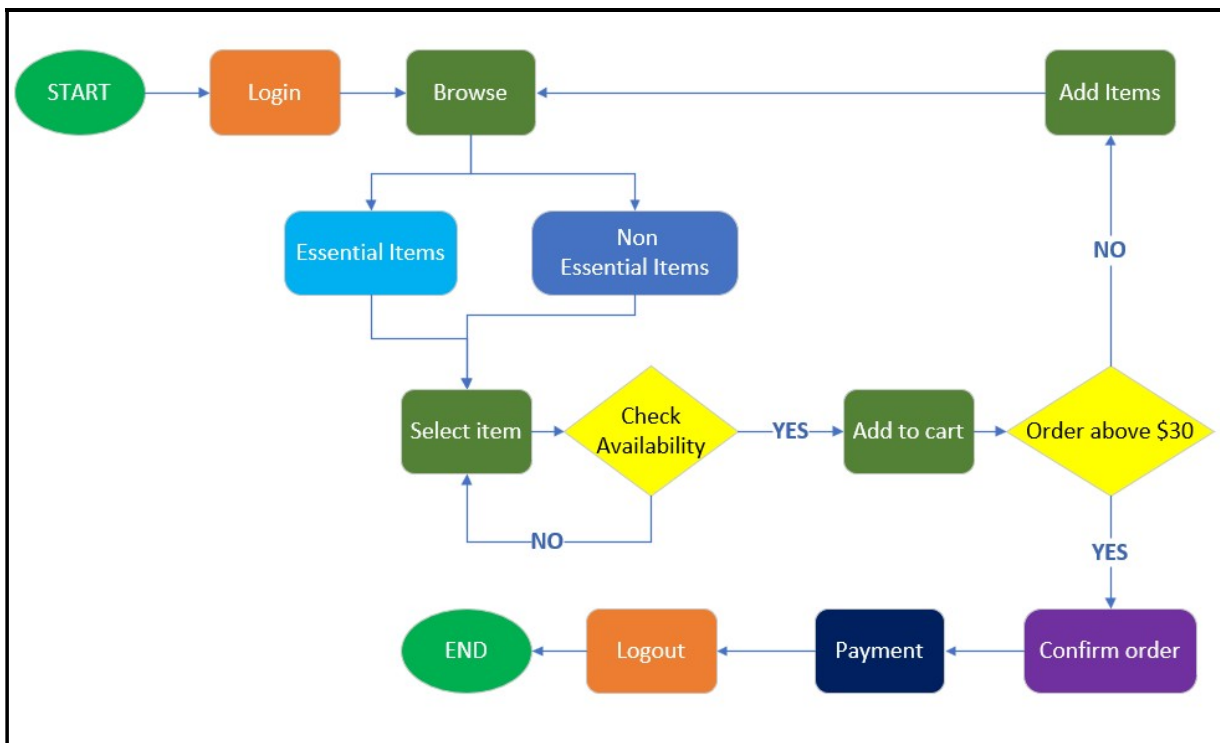
Task-3: Scope of the feature ABC Pantry

Scope Diagram

Task- 4: in-scope and out-of-scope items for software.

IN SCOPE REQUIREMENTS	OUT OF SCOPE REQUIREMENTS
- Adding a new feature to the current system. - Placement of feature in highly visible location - Status of product availability - Essential things and non-essential items were both placed to the pantry. - Deals/Offers are available for both single products and combos. 5 advertisements are placed in a feature without being obtrusive. - Orders above $30 are eligible for free delivery. - Reviews are shown underneath the products. - Items that must be added to the cart or wish list for the checkout process.	- Access to online pantry in offline / portal mode. - Additional discounts are offered on specific goods. - Request for Order Cancellation / Refund Money - Direct contact to the supplier. - Auto suggestion active for the products on pantry. - Free delivery of products below $30, for limited stocks or time. - Portal's option for expense prediction. - Request for a certain delivery time / date.

Task-5: Business requirements, both functional and nonfunctional Requirements

FUNCTIONAL REQUIREMENTS	NON-FUNCTIONAL REQUIREMENTS
- New feature addition into existing system. - Categorical representation of products inside the pantry. - Essential and non-essential products can add to the cart. - Non-intrusive placement of ads into the feature of maximum 5. - Free deliveries on order above $30. - Prominent location should highlight new features on the system	- New features are to be maintained same as existing system. - System must have scalability to support large customer data. - System should be secured against malicious threats. - User-friendly and self-exploratory. - System would perform fast and effectively for better ease of use.

Task-6: Draw wireframes or mock screens for any two of the features
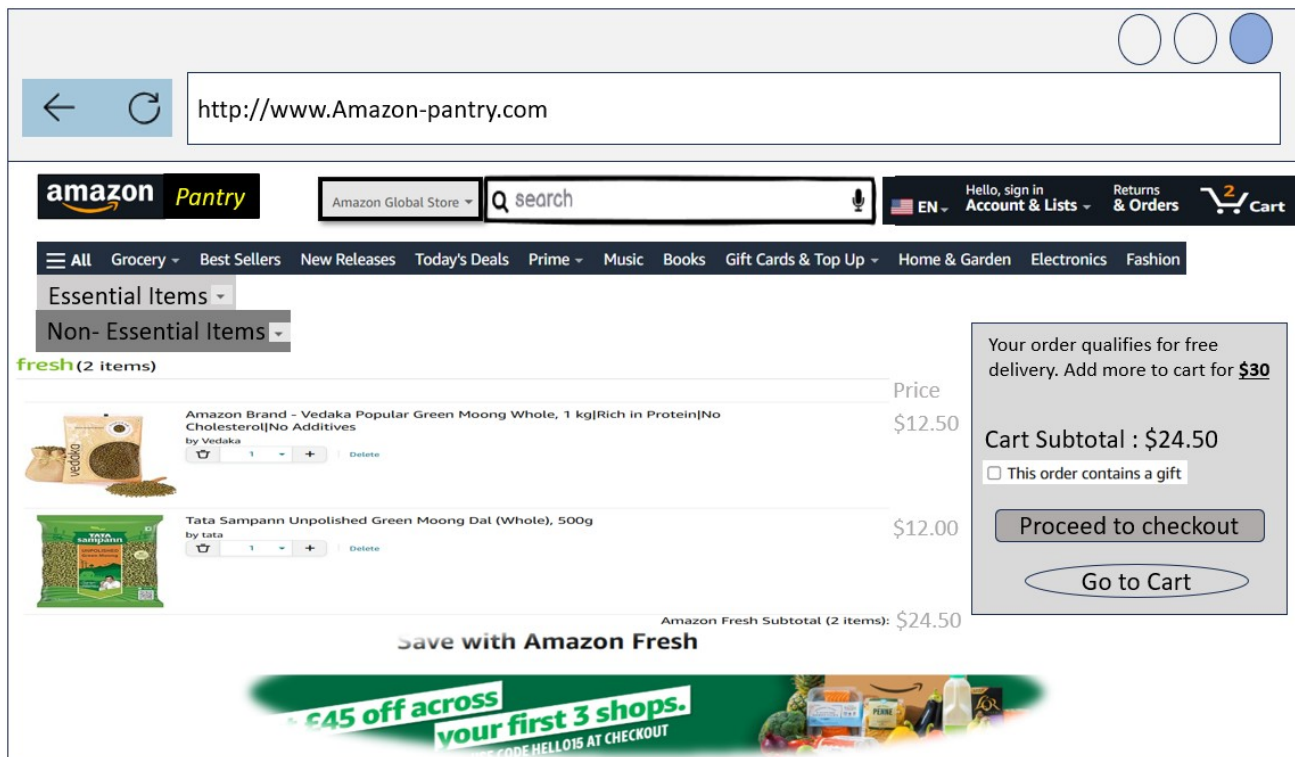
Project Task: Week 2 (This is on the agile scrum concepts taught)

1. **Make a product backlog of user stories for the given case study. User Stories should be in the format of As a <type of user>, I want <goal> so that <reason>**

2. **For each story, write the acceptance criteria.**

Product Backlog	Acceptance Criteria
As a user I want to create an account so that I can use ABC shopping.	The user can access the application with valid information otherwise no account created.
As a user I want to reset password so that I can change password if I don't remember.	A user is able to change password if he does not remember password or he want to change it so if he remembers old password or send link to reset new password.
As a user I want to search the items so that I can lookup items and prices.	A user is able to enter specific items on search option and find the items.
As a user I want to view shopping cart so that I can check and modify my order.	A user is able to view shopping cart and he can edit/delete items.
As items collector I want an accurate order data so that I can easily find items and their quantity.	As items collector is able to view order and their quantity.
As delivery man I want to view the orders and locations to easy delivery.	A delivery man is able to view orders and their locations.
As Management I want sales reports at end of the day so that I can make decision.	The management are able to generate sales report.

Project Task: Tableau
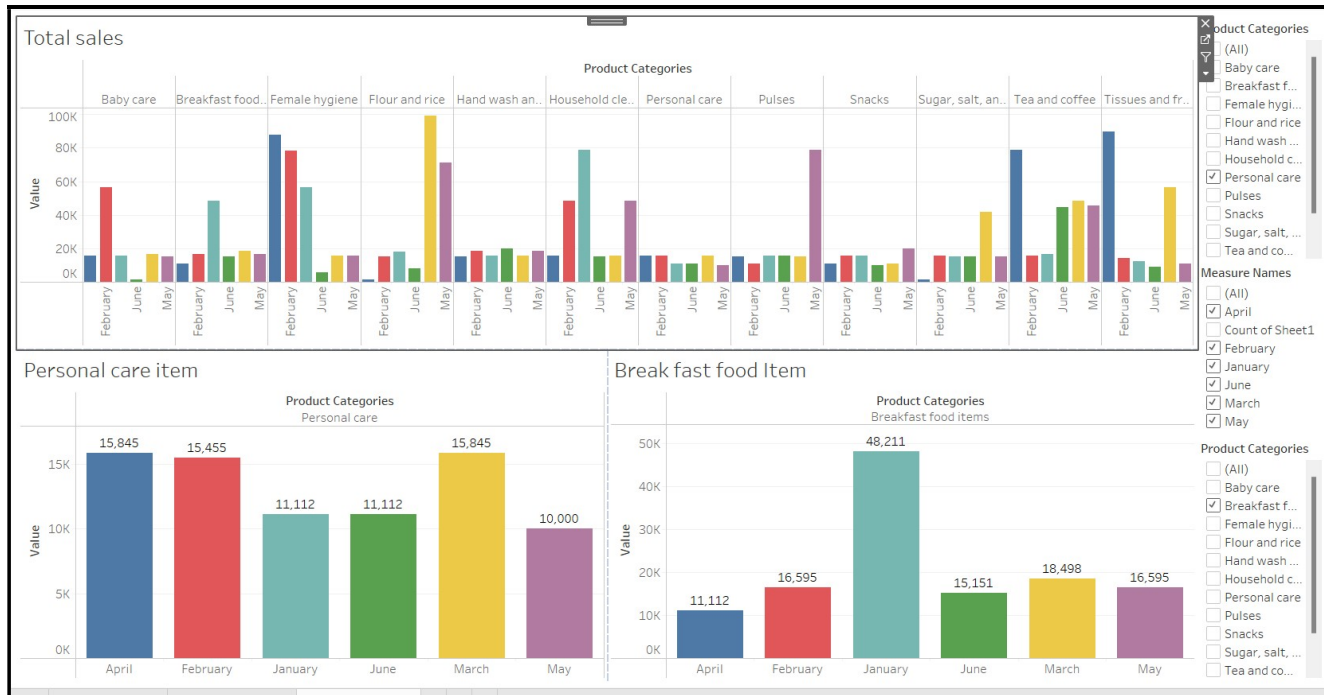
From the given data for the sales of personal care products in Chicago for the 6 months starting from January to June, it was observed that the sales were minimum in the month of May with $10,000 and maximum in the month of March & April with $15,845.

From the given data for the sales of breakfast items in Chicago for the 6 months starting from January to June, it was observed that the sales were minimum in the month of April with $11,112 and maximum in the month of January with $48,211.

Tableau public Link:
https://public.tableau.com/views/Amazonpatry-Capstoneproject-YKB/Salesdashboard?:language=en-US&publish=yes&:sid=&:redirect=auth&:display_count=n&:origin=viz_share_link

Project Task: Excel

Question 1:

    1.   Create a bar graph showing the sales. Label the chart correctly so that senior management gets a clear report of sales.
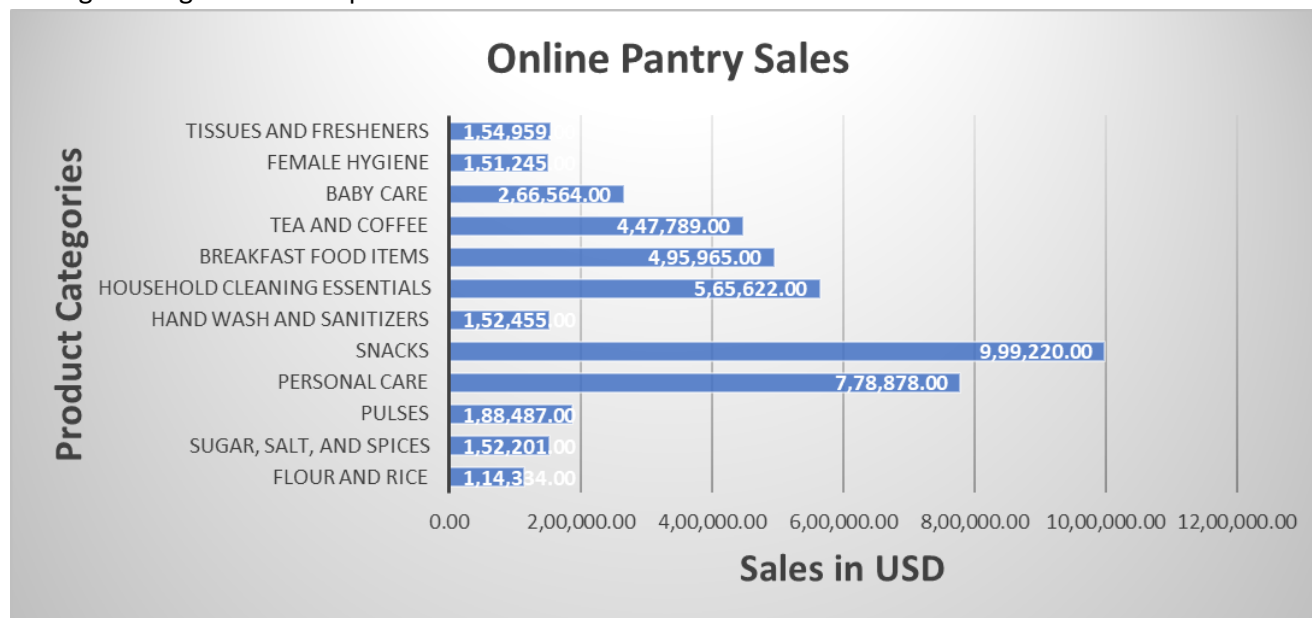
    2.   Arrange the data above in excel in ascending and descending order.

Ascending Order

Decending Order

Online Pantry Sales

(Horizontal bar chart — Sales in USD by Product Categories)

- TISSUES AND FRESHENERS — 1,14,33...
- FEMALE HYGIENE — 1,51,245.00
- BABY CARE — 1,52,201.00
- TEA AND COFFEE — 1,52,455.00
- BREAKFAST FOOD ITEMS — 1,54,959.00
- HOUSEHOLD CLEANING ESSENTIALS — 1,88,487.00
- HAND WASH AND SANITIZERS — 2,66,564.00
- SNACKS — 4,47,789.00
- PERSONAL CARE — 4,95,965.00
- PULSES — 5,65,622.00
- SUGAR, SALT, AND SPICES — 7,78,878.00
- FLOUR AND RICE — 9,99,220.00

Question 2:

1. **Create bar graphs of sales for zone 1 cities**

Sales for Zone 1 cities

(Horizontal bar chart — Total Sales by City)

- New Orleans — $3,68,821
- Miami — $3,21,157
- Chicago — $3,19,028

Legend: New Orleans, Miami, Chicago
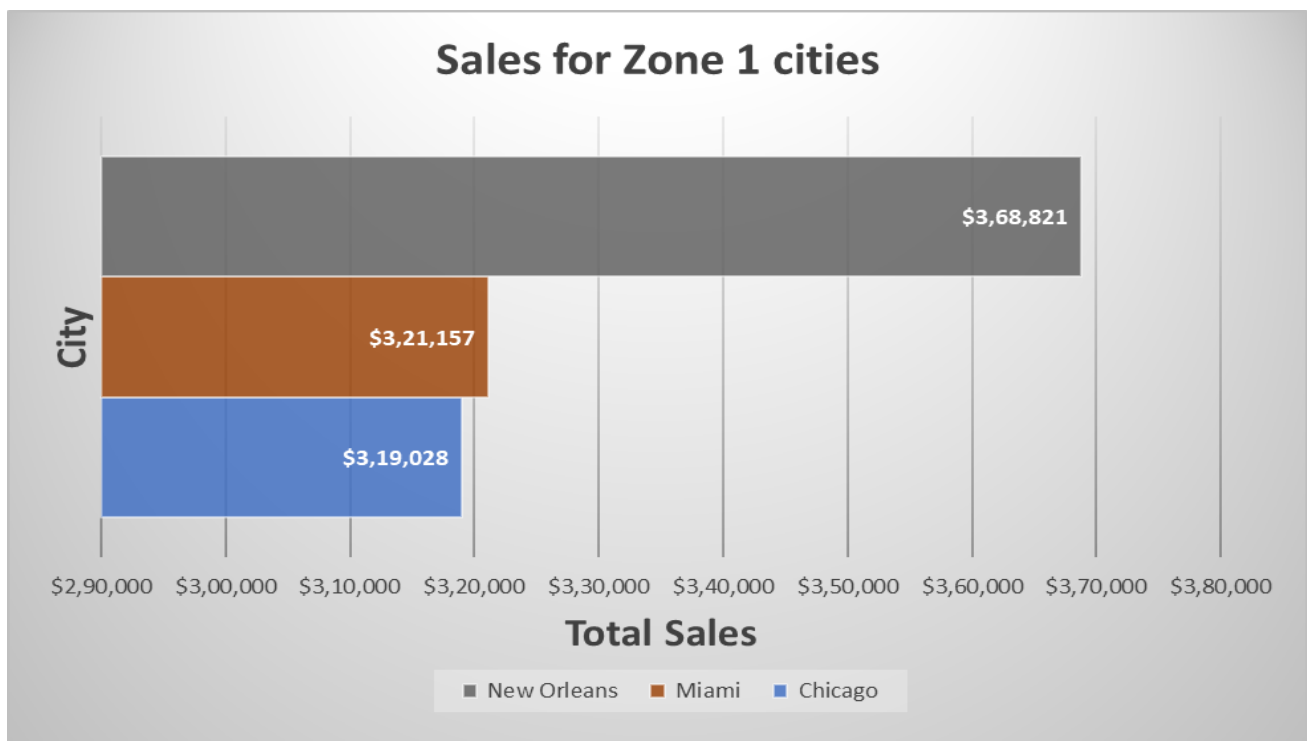
2. Find total sales across all cities

Sales acreoss all cities
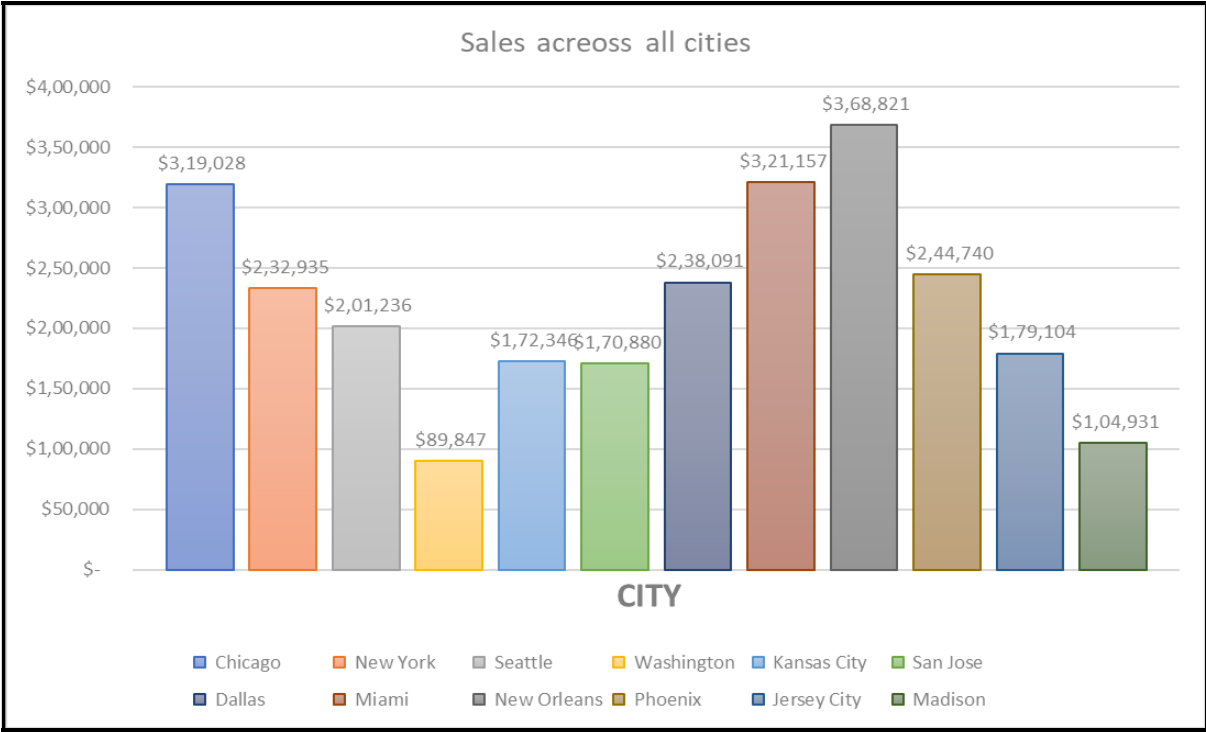
Question 3

1. Using vlookup for product code HS, find sales in Phoenix

Sales Across various Cities												
Product Categories	Product Code	Chicago	New York	Seattle	Washington	Kansas City	San Jose	Dallas	Miami	New Orleans	Phoenix	Jersey City	Madison
Flour and rice	FR	18,225.00	15,184.00	15,899.00	1,500.00	71,111.00	7,889.00	7,895.00	15,184.00	98,984.00	78,999.00	11,112.00	10,000.00
Sugar, salt,	SSS	15,184.00	15,845.00	7,899.00	1,622.00	15,151.00	15,184.00	45,621.00	15,845.00	41,545.00	45,545.00	10,000.00	20,000.00
Pulses	PS	15,845.00	11,112.00	9,852.00	15,184.00	4,848.00	15,845.00	12,500.00	11,112.00	15,184.00	15,184.00	10,000.00	15,000.00
Personal	PC	11,112.00	10,000.00	9,624.00	15,845.00	10,000.00	11,112.00	15,242.00	15,455.00	15,845.00	15,845.00	20,000.00	15,184.00
Snacks	SN	15,455.00	20,000.00	15,184.00	11,112.00	20,000.00	10,000.00	1,566.00	15,454.00	11,112.00	11,112.00	15,000.00	15,845.00
Hand wash	HS	15,454.00	15,000.00	15,845.00	1,588.00	1,511.00	20,000.00	18,562.00	18,498.00	15,455.00	1,544.00	15,544.00	11,112.00
Household	HHC	78,888.00	45,454.00	78,445.00	16,895.00	1,515.00	15,000.00	7,899.00	48,211.00	15,454.00	10,000.00	4,518.00	1,578.00
Breakfast	BFI	48,211.00	71,111.00	10,000.00	7,826.00	1,515.00	15,151.00	15,184.00	16,595.00	18,498.00	20,000.00	15,184.00	1,588.00
Tea and	TAC	16,595.00	15,151.00	20,000.00	4,562.00	4,554.00	44,544.00	15,845.00	15,487.00	48,211.00	15,000.00	15,845.00	1,879.00
Baby care	BC	15,487.00	11,111.00	15,000.00	4,552.00	15,184.00	1,515.00	11,112.00	56,451.00	16,595.00	10,000.00	11,112.00	1,233.00
Female	FH	56,451.00	1,452.00	1,589.00	1,262.00	15,845.00	5,655.00	7,878.00	78,451.00	15,487.00	20,000.00	15,789.00	1,511.00
Tissues and	TAF	12,121.00	1,515.00	1,899.00	7,899.00	8,985.00	78,787.00	14,414.00	56,451.00	1,511.00	35,000.00	10,001.00	

		Product Categor	Product Code	City			
		Hand wash	HS	Phoenix	=VLOOKUP("HS",B1:N14,11,0)		
		Flour and rice	FR	Dallas	7895		

2. Using vlookup for product code FR, find sales in Dallas

Product Categories	Product Code	Sales Across various Cities											
		Chicago	New York	Seattle	Washington	Kansas City	San Jose	Dallas	Miami	New Orleans	Phoenix	Jersey City	Madison
Flour and rice	FR	18,225.00	15,184.00	15,899.00	1,500.00	71,111.00	7,889.00	7,895.00	15,184.00	98,984.00	78,999.00	11,112.00	10,000.00
Sugar, salt,	SSS	15,184.00	15,845.00	7,899.00	1,622.00	15,151.00	15,184.00	45,621.00	15,845.00	41,545.00	45,545.00	10,000.00	20,000.00
Pulses	PS	15,845.00	11,112.00	9,852.00	15,184.00	4,848.00	15,845.00	12,500.00	11,112.00	15,184.00	15,184.00	10,000.00	15,000.00
Personal	PC	11,112.00	10,000.00	9,624.00	15,845.00	10,000.00	11,112.00	15,242.00	15,455.00	15,845.00	15,845.00	20,000.00	15,184.00
Snacks	SN	15,455.00	20,000.00	15,184.00	11,112.00	20,000.00	10,000.00	1,566.00	15,454.00	11,112.00	11,112.00	15,000.00	15,845.00
Hand wash	HS	15,454.00	15,000.00	15,845.00	1,588.00	1,511.00	20,000.00	18,562.00	18,498.00	15,455.00	1,544.00	15,544.00	11,112.00
Household	HHC	78,888.00	45,454.00	78,445.00	16,895.00	1,515.00	15,000.00	7,899.00	48,211.00	15,454.00	10,000.00	4,518.00	1,578.00
Breakfast	BFI	48,211.00	71,111.00	10,000.00	7,826.00	1,515.00	15,151.00	15,184.00	16,595.00	18,498.00	20,000.00	15,184.00	1,588.00
Tea and	TAC	16,595.00	15,151.00	20,000.00	4,562.00	4,554.00	44,544.00	15,845.00	15,487.00	48,211.00	15,000.00	15,845.00	1,879.00
Baby care	BC	15,487.00	11,111.00	15,000.00	4,552.00	15,184.00	1,515.00	11,112.00	56,451.00	16,595.00	10,000.00	11,112.00	1,233.00
Female	FH	56,451.00	1,452.00	1,589.00	1,262.00	15,845.00	5,655.00	7,878.00	78,451.00	15,487.00	20,000.00	15,789.00	1,511.00
Tissues and	TAF	12,121.00	1,515.00	1,899.00	7,899.00	11,112.00	8,985.00	78,787.00	14,414.00	56,451.00	1,511.00	35,000.00	10,001.00
					Product Categor	Product Code	City						
					Hand wash	HS	Phoenix	1,544.00					
					Flour and rice	FR	Dallas	=VLOOKUP("FR",B1:N14,8,0)					