SYSTEMETIC THINKING PROCESS WORKSHEET

Team Name: GROUP 17

Team Member Names	% to worksheet templates	% to presentation video
GOURISH DESHPANDE	20%	20%
JAEE JAIN	20%	20%
MIGUEL OLAYA	20%	20%
NIDHI SHARMA	20%	20%
UJJWAL MAKIN	20%	20%

FOOD AFFORDABILITY AND QUALITY

Catering to the core needs of customers with regards to price and quality, across the financial spectrum for same store locations.

Why this initiative?

- Current financial landscape marred by soaring inflation & shrinking budgets is an
 austere one for a significant chunk of the population who struggle to make ends
 meet. A concise yet insightful report by Cáit Caden (2023) mentions that a third of
 the population finds their wallets awfully light at the end of month. While Irish
 grocery inflation stands at 2.8% for July/August 2024 (Clifford, 2024). Catering more
 effectively to the concerns of this part of the customer base could impact sales
 revenue positively.
- 2. EY's report by Colette Devey (2024) on Consumer Behaviour summarises that along with affordability being a key attribute for the general consumer, there is an incline in the number of health-conscious consumers. This claim is supported by the findings displayed on Statista.com in a report on "Attitudes towards food in Ireland as of March 2024" by Umar Bashir, where 62% people show an intent to consume healthy meals. Current catalogue could be tailored to ensure that the desired products are present & highlighted to the clientele.

In conclusion, this initiative will not only help strengthen customer trust by providing value without compromising on quality, but it also aligns with Tesco's commitment to promoting healthier lifestyles and supporting communities. By focusing on affordability alongside quality assurance, Tesco can reinforce its leadership in responsible retailing, without giving a reason to customers to shop somewhere else.

STAKEHOLDER PERSONAS

Persona for: Customer		
Key Decisions	Key Business Questions	Pain points
Budget	Can I afford to buy from	Inflation and deteriorating
	Tesco?	financial health.
Nutritional value	Do I find products as per	Absence of nutritionally
	my nutritional needs at	acceptable products.
	Tesco?	
Availability	Do Tesco stores have the	Lack of options for different
	products that I want?	customer wants.

Key Decisions	Key Business Questions	Pain points
Sales	How to uplift current	Reduced order value and
	projected sales on the	rising churn rate.
	existing store locations?	
Store performance review	How to effectively gauge	Lack of understanding of
	and boost store	consumer base as per
	performance?	geographic location.
Product catalogue	Are the goods available at	Ineffective procuring
	the store as per customer's	strategy.
	desire?	

Key Decisions	Key Business Questions	Pain points
Product attributes	What sort of attributes are desired by customers?	Ineffective procurement criteria.
Inventory management	What products to procure and supply to which location?	Lack of communication with store operations.
Supplier negotiation	Which supplier meets the criteria and compliance of affordable and quality products?	Negotiating with the right supplier who can provide high quality and costefficient inventory.

Key Decisions	Key Business Questions	Pain points
Sale at month end	How to ensure growing sales at every month end?	Falling or flatlining sales graph.
Customer behaviour	How to gain cognisance of customer purchase patterns?	Missing customer connect.
Product catalogue	Are the goods available at the store as per customer's desire?	Ineffective procuring strategy.

STRATEGIC NOUNS

- Customers
- Pricing
- Store Operations
- Catalogue Criteria

DECISIONS ABOUT STRATEGIC NOUNS

Noun: Customer

Decisions

Choose grounds on which the customer base can be segmented and effective markings to demarcate the segments.

Decide pricing strategies and loyalty programs that will appeal most to the different customer segments.

Determine the customer's purchase patterns based on attributes like product selection, average basket size, purchase frequency and purchase scheduling.

Choose ways in which company can encourage frequent and larger purchases.

Noun: Catalogue Criteria

Decisions

Identify the policy based on which the products will be sourced and supplied to stores. Decide inventory based on inputs from central and localised insights.

Noun: Pricing Strategy

Decisions

Craft pricing strategies that will maximize sales while enhancing profitability.

Determine which kinds of promotions can boost sales while maintaining long-term profitability?

Noun: Store Operations

Decisions

Decide how to gauge and uplift the average order value of customers at store level by gaining awareness about how it varies based on attributes of product and customer.

Select optimized store inventory based on purchase trends.

Choose the best personalized promotion for the customers based on the purchasing trends and demographic.

Deciding how store layouts can be revamped to improve the reachability of the products based on desirability & customer segments.

Decide revenue targets based on past sales and aligned with desired initiatives.

Brainstorm Business Questions

Business Q	uestions fo	r: Customer
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What happened?	What will happen?	What should I do?
[Descriptive Analytics]	[Predictive Analytics]	[Prescriptive Analytics]
Which products were	What attributes of a	List attributes of different
desired by different	product will be desired by	products in catalogue and
customer segments?	different customer	tag them to different
	segments?	customer segments that
		desire them respectively.
What products were	Which products will be	Generate an effective
deemed healthy?	distinguished as healthy?	healthiness score for the
		products on catalogue.
Which customer segment	How much increase in the	[x] percentage of increase
has shown the highest	previously mentioned	envisioned in Tesco's
demand for health-	customer segment can we	health-conscious consumer
conscious products?	expect?	base, correspondingly more
		health-conscious products
		to be maintained in
		inventory.
What percentage of	What percentage of	Offering deferred payments
customer base has shown	customer base will show	and discount offers on
decrease in their basket	increase in their basket size	essentials for the affected
size when nearing the	when nearing the month	customer base.
month end?	end?	

Business Questions for: Strategic Team

What happened?	What will happen?	What should I do?
[Descriptive Analytics]	[Predictive Analytics]	[Prescriptive Analytics]
What percentage of the	What percentage of growth	Conduct the customer
total sales belongs to	is expected in the targeted	survey at the store about
different customer	customer segment?	overall purchasing
segments?		experience and strategize
		accordingly.
What is the impact of the	Will adjustments in the	Implement a pricing model
different pricing strategies	pricing strategies affect the	that maintains food
on the overall revenue?	demand of the product	affordability and
	hence the overall revenue?	revenue growth.
What is store performance	Will current metrics	To determine various
and what measures boost	accurately capture a store's	parameters in store
store performance?	performance?	performance and which
		parameters will align with
		the company's PR
		initiatives.
Which products were	Will discounts or	Draft a strategy to
eligible for discounts or	promotional offers on	determine eligibility of
other promotional offers?	eligible products perform	products for discounts or
	well?	other promotional offers.

Business Questions for: Store Manager

What happened?	What will happen?	What should I do?
[Descriptive Analytics]	[Predictive Analytics]	[Prescriptive Analytics]
Which products are not	Will the products in store	Planning an effective store
performing as expected?	perform as expected?	layout and observing
		efficacy in inventory
		management.
Which customer intrinsic	How will customer loyalty	Leverage customer
policy affects customers	(e.g., use of loyalty cards)	analytics to determine
most?	vary across financial	viability of customer
	segments?	intrinsic policy.

Business Questions for: Purchase Team

What happened?	What will happen?	What should I do?
[Descriptive Analytics]	[Predictive Analytics]	[Prescriptive Analytics]
Which products are	How will the product	Leverage data from
sourced and maintained in	desirability be determined?	customer surveys &
inventory?		previous purchase trends
		from central & local
		sources to note attributes
		most desirable.
On what grounds are	Will product and supplier	Utilise data from sales align
products and suppliers	evaluation help optimize	product value with pricing
evaluated?	procurement?	strategy and consequently
		negotiate with suppliers.
Are there any products that	What can be the reasons	To charter a store level
have deviated from central	some products perform	purchase policy based on
purchase trends?	better in some stores while	discussions with store
	not in others?	operations teams.

"By" Analysis

CUSTOMER

Company wants to know the average **basket size** of the customer by **income level**. Company wants to see the **order frequency per month** by **gender, marital status and**

number of children.

Company wants to know discount availed by income level and category (pensioners, students, employed adults).

Company wants to know the monthly expenditure of customers by health consciousness.

Company wants to plot customer awareness of nutrition by education level and age.

PRICING

Company wants to plot demand by the central and local pricing.

Company wants to know profits by seasonal pricing.

STORE OPERATIONS

Company wants to know the **predicted demand** by **customer feedback**.

Company wants to monitor rise in sales by store layout.

Company wants to register the purchase frequency by point of sales transactions.

Company wants to interpret seasonal sales by markdown.

Company wants to monitor margin by customer footfall.

Company wants to analyse customer experience by store rating.

CATELOGUE CRITERIA

Company wants to identify product catalogue by central purchase trends.

Company wants to compare **promotions** by the **local purchase trends**.

Company wants to predict demand and supply by product category.

Company wants to interpret **customer segmentation** by **brand's age.**

Company wants to track sales by affordability and nutritional value.

Actionable Scores

Score - Customer Value Score

- 1. Average order value of customer over a month/6 months 35%
- 2. Discounts availed 15%
- 3. Purchase frequency over the month 10%
- 4. Customer category 15%
- 5. Gender, Marital status, number of children 10%
- 6. Health consciousness 10%
- 7. Nationality 5%

Understanding customer behaviour is imperative for the company. To ensure that the purchase trends from customer's vantage point are adequately recognised and to maintain and grow business from each individual and grouped together segment company will rely on a combination of aforementioned factors with their respective weights in score.

Score - Product Health Score

- 1. Caloric Value 30%
- 2. Protein Value 25%
- 3. Fat Value 15%
- 4. Shelf life/number of preservatives 20%
- 5. Organic Value 10%

A plethora of internal and external sources mention that healthy consumer goods are the need of the hour. To promote products that impact customer health, first the company must understand which products are healthy. This score will play a part in determining how many customers are health conscious and in "Product Desirability Score".

Score - Product Desirability Score

- 1. Packaging 10%
- 2. Sales per store 30%
- 3. Customer feedback 15%
- 4. Price/margin 20%
- 5. Brand age 5%
- 6. Health 15%
- 7. No. of nationalities that indulge 5%

To maximise the sale and optimise inventory it is must to place a finger on the market's pulse with regards to products. These factors with their respective contributions offer a bird's eye view of the products desirability.

Score - Store Performance Score

- 1. Revenue 30%
- 2. Customer rating 15%
- 3. Churn rate 15%
- 4. Customer footfall 15%
- 5. Inventory optimisation 20%
- 6. No. of nationalities served 5%

The store happens to be the first point of contact for the bulk of our customers; therefore, it is an obvious call to make sure each store reaches its maximum potential in terms of customer satisfaction and revenue. Aforementioned factors paint a comprehensive picture of the clientele the store serves and nuances of their operations.

Score - Strategy Success Rating

- 1. Revenue growth 20%
- 2. Revenue Ensured 20%
- 3. No. of customers targeted 15%
- 4. No. of stores where policy is promoted 15%
- 5. No. of product Categories 15%
- 6. Frequency of availed offers 15%

Prior to committing any investment to any strategy, the company must gain the assurance that the strategy targets crucial segments and stands good on investments made. The score presented above tries to incorporate the factors that influence a policy's performance in the open market.

Putting Analytics into Action – Recommendations Worksheet

Persona: Purchase Team				
Decisions	Potential Recommendations	Potential Scores/Metrics		
Identify the policy on which the products will be sourced and supplied to stores.	 General procurement will happen in relatively large quantities based on the product desirability score while products that cater specific communities will be catered as a part of localised initiatives. The Inventory delivery will happen in similar fashion as well. 	 Product Desirability Score Store Performance Score 		
Decide inventory based on inputs from central and localised insights which will further assist in drilling down store specific sale patterns and in turn store performance.	1. Leverage data from "Point of Sales" and Clubcard and blend this data with products desirability on central and local level to optimize procurement.	 Product Desirability Score Store Performance Score 		

Persona: Strategic Team

Decisions	Pot	tential Recommendations	Ро	tential Scores/Metrics
Craft pricing strategies that will maximize sales while enhancing profitability.		Product and vendor evaluation parameters will be aligned with store and centralised requirements with a focus on health consciousness and quality. Nutri grading: Rate the food products from A-D based on its calorific value, making it easy for customers to understand and buy healthy	1.	Product Health Score Product Desirability Score
Determine which kinds of	1.	products. Provide central and store	1.	Store Performance
promotions can boost		specific promotions.		Score
sales while maintaining long-term profitability?	2.	Provide personalised promotions based on purchase history.	2.	Product Desirability Score

Persona: Customer

Decisions	Potential	Potential Scores/Metrics
	Recommendations	
Choose grounds on which the customer base can be segmented and effective markings to demarcate the segments.	To outsource or allocate internal resource in order to conduct customer survey to grasp customer demographical details and consequently segment them.	Customer Value Score
Decide pricing strategies and loyalty programs that will appeal most to different customer segments.	Gain cognizance of purchase pattern via Clubcard transactions and promote frequent purchases via personalized discount offers.	 Strategy Success Rating Customer Value Score Product Desirability Score
Determine the customer's purchase patterns based on attributes like product selection, average basket size, purchase frequency and purchase scheduling.	Promote Clubcard transactions and track the mentioned metrics on central and store level.	 Customer Value Score Product Desirability Score
Choose ways in which company can encourage frequent and larger purchases.	 Offer deferred payments to customers whose purchase value drops at month ends. Based on parameters collected via survey, we can utilise Clubcard to cross pitch products as a bundle. Products with low desirability will be pitched to be bundled with products with high product desirability score based on customer category and nationality. For customers who regularly purchase health-conscious groceries from stores can be given discounts for continuing the trend. 	Customer Value Score

Persona: Store Manager

Decisions	Potential Recommendations	Potential Scores/Metrics
Decide how to gauge & uplift the average order value of customers at store level by gaining awareness about how it varies based on attributes of product and customer.	 Conduct a localised survey regarding the community/locality served by Tesco stores. Based on survey results optimise inventory. 	 Product Desirability Score Store Performance Score
Select optimized store inventory based on purchase trends.	 The inventory ordered by store will be based on data from prior trends and survey. For perishable goods, price slashes and surprise bags can be introduced at day end. 	Store Performance Score
Choose the best personalized promotion for the customers based on the purchasing trends and demographic.	Stores must maintain dedicated sections for new homeowners, expecting mothers and senior citizens etc., where certain discounts can be presented on purchasing a collection of products.	 Product Desirability Score Customer Value Score
Deciding how store layouts can be revamped to improve the reachability of the products based on desirability & customer segments.	Based on survey conducted, products that are usually purchased by prevalent community in locality will be featured in secondary shelves, with primary shelves being populated with goods with offers and perishable goods.	 Store Performance Score Product Desirability Score