# smart shopping cart

A smart shopping cart that helps the shopper know the places of orders and facilitates the shopping process

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Executive Summary

- From the current shopping problems
- congestion and overcrowding
- Loss of time
- The sales representative's inattention to complete the payment process
  - To reduce these problems
- Using technology in shopping to facilitate the shopping process
  - Reduces congestion and overcrowding, saving time and effort
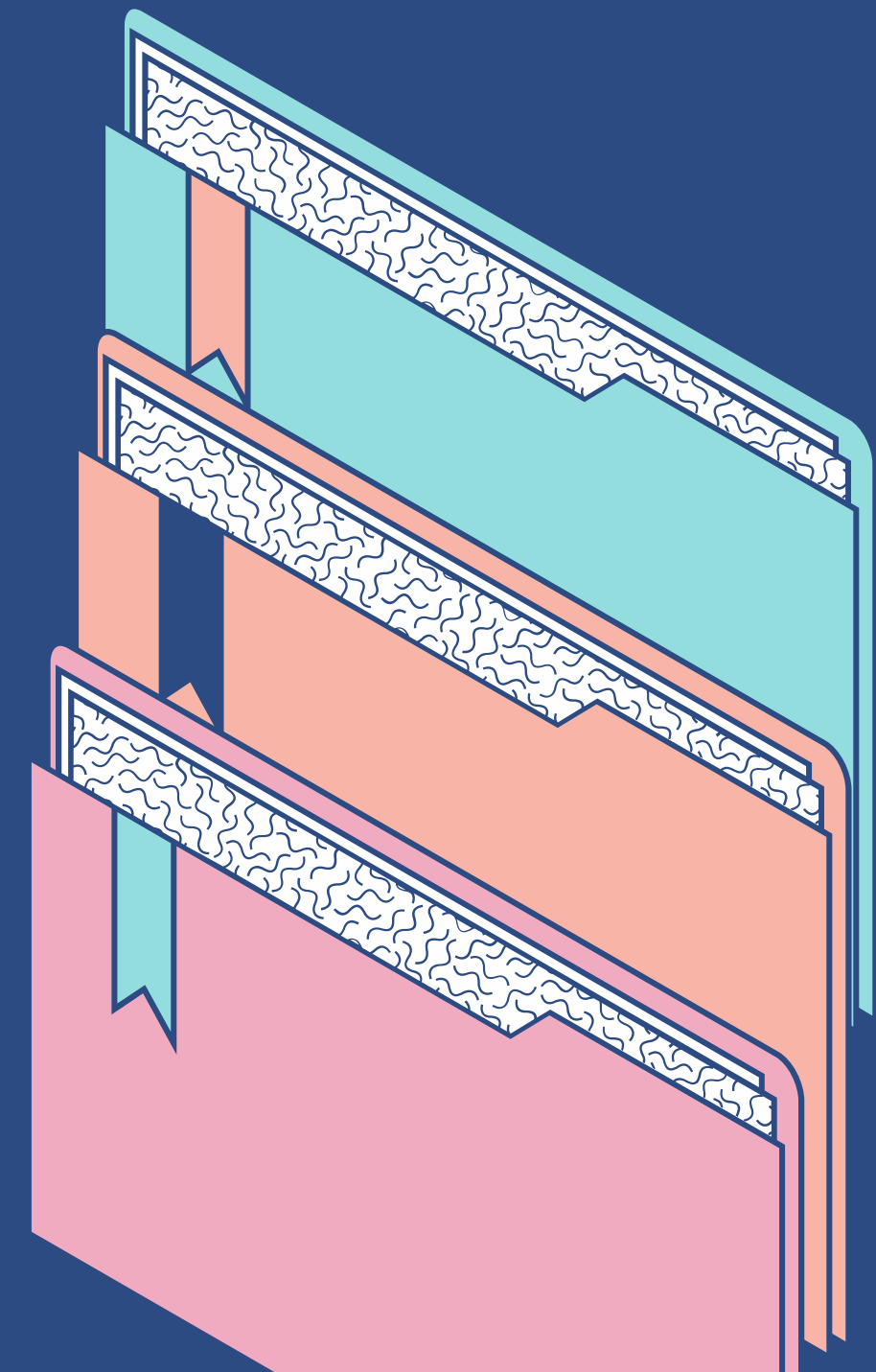
Serious Social Issues

- The customer does not know the availability of the items in the store or not
- Customers may lose time in finding their needs
- Wasting time waiting for the billing
- Difficulty transporting products from the basket and unloading them at the accountant and placing them in cyst
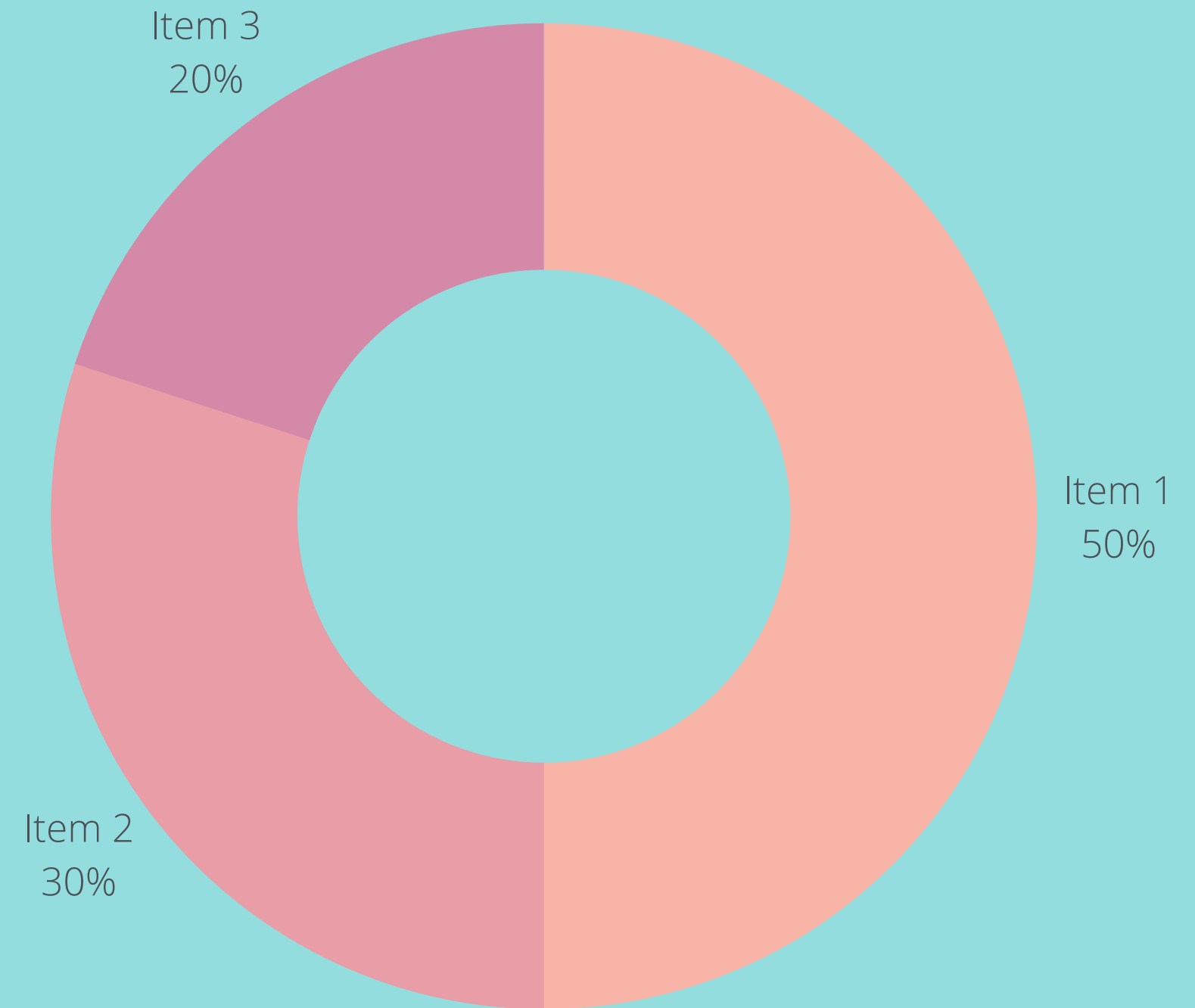
How Serious Is It?

ocally

We took 100 samples from the supermarket

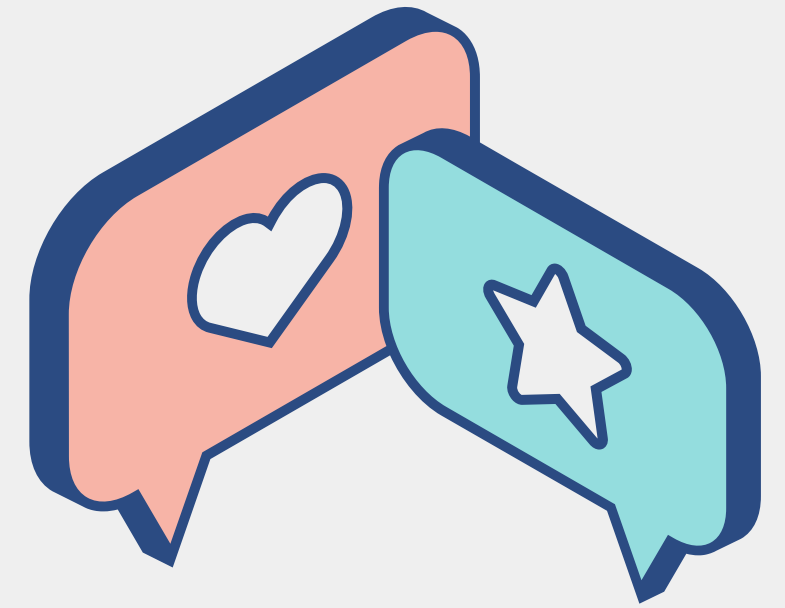50% of people are bored and stressed from wasting time

30% will leave the products and go out

20% would prefer to send a representative

Item 3
20%

Item 1
50%

Item 2
30%

Tech Tools Available

- Delivery apps
- Shopping apps
- Self payment devices

Defects:

- Delivery cost is high
- delayed delegate

Tech Solution

Developing the current basket into a smart basket using artificial intelligence technology and the Internet of Things

Less Crowding   Sgopping speed   Verfy Paymentd

PAY

Mechanism/Operation
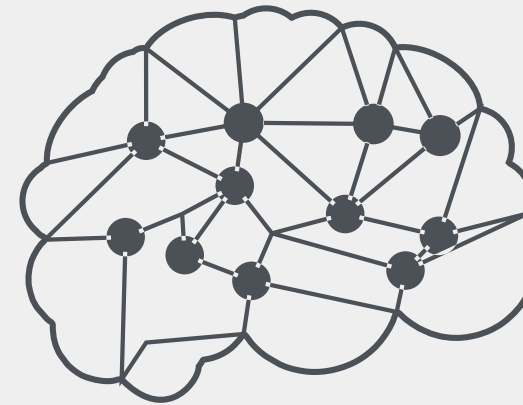
A payment device that allows the customer to pay

A device equipped with a scanner that reads the barcode and informs the customer of the places of orders

TECHNOLOGIES USED

artificial intelligence

Internet of things

A payment device that allows the customer to pay

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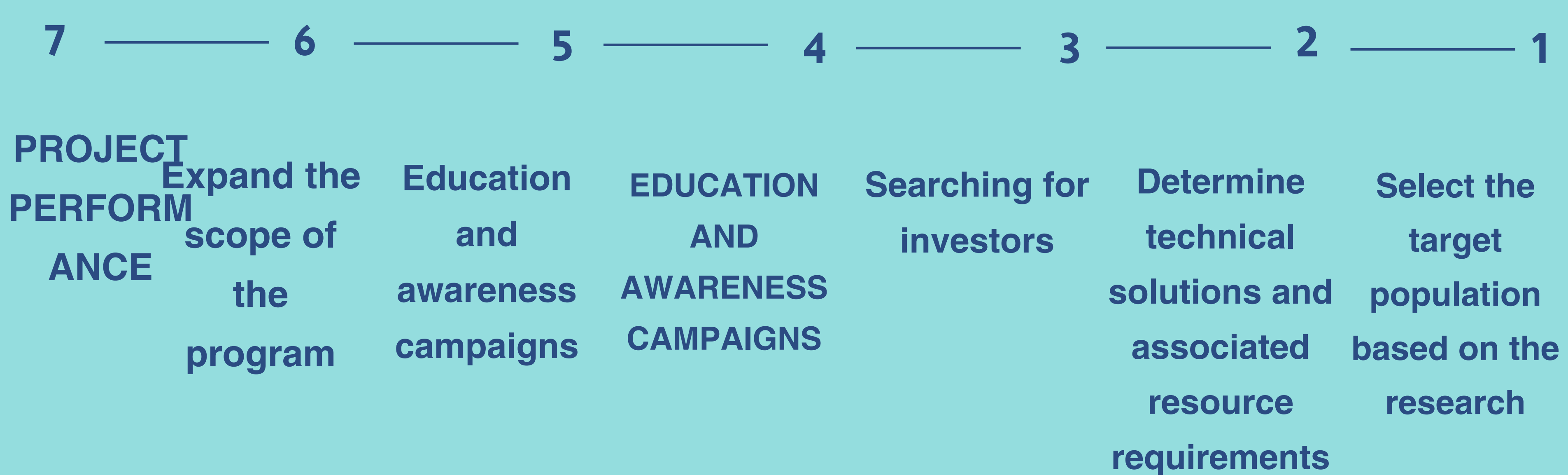
Benefits

- Less crowding
- Shopping speed
- Verify payments
- Easy to use

Risks/impediments

- The cost of the project
- Raw material cost
- Equipment and devices cost

Implementation plan

7 ——— 6 ——— 5 ——— 4 ——— 3 ——— 2 ——— 1

PROJECT PERFORMANCE

Expand the scope of the program

Education and awareness campaigns

EDUCATION AND AWARENESS CAMPAIGNS

Searching for investors

Determine technical solutions and associated resource requirements

Select the target population based on the research

	Timeline	Actions & Expected Outcomes	Actions & Expected Outcomes
target group	Y1	Survey of **1000** potential users	Customers and shop owners
approved solution	Y2	Identify and collaborate with companies that provide technology solutions and associated resource requirements	technology company
financing partners	Y2	Find investors and collect **7.5** million Saudi riyals	Institutions and government
awareness initiatives	Y4	Education and awareness campaigns	Designated Marketing Teams
Evaluation and recalibration	Y4	Analyze/adapt user feedback	Project research team