PROBLEM ARCHITECTURE

TEAM ID	PNT2022TMID50868
PROJECT NAME	Retail Store Stock Inventory Analytics
MAXIMUM MARKS	4 MARKS

Service Customer	Service Provider	External Service Provider(s)

Store 1 / Cash Desk 1

RetailSolution

Main Server

Payment Service

Inventory Service

Bank Server

Bank Service

Cash Desk PC
Store n / Cash Desk m

RetailSolution Client

Database Server

Inventory

Stock management	nt	Stock receipt	Return Shipments

Retail Chain Enterprise

Suppliers

Manufacturers

Intermediaries

Inter-store interactions

Retail Store Boundary

Seamless supplier sourcing

Supplier Sourcing Systems (B2B)

Warehousing Systems

Back-office Systems

Internal Systems

Inventory Systems

Financial/ HR & Other Systems

Fast, responsive internal ops

Employees

Efficient, self-service consumer touchpoints

In-Store Device Touchpoints

Fixed POS/ Kiosk

Price Checker

Self-Checkout

Point-of-Sale System

Fast & efficient interactions

Ecosystem Services

Senior Citizens' Benefit Providers

Lottery Provider

Text

In-Store Shoppers

Hybrid Store (Physical+Digital) Eg: AmazonGO

Integrated customer experiences

Online presence, secure access & payments

Digital Store

Consumer Mobile

E-Commerce Website

Order online Fulfill Anywhere

Omnichannel experiences

Delivery Partners

Shoppers

Logistics companies

Shared-economy delivery

Store delivery service

Legend:
- *Desired business objectives*
- *Retail systems*
- *Digital Store components*
- *External systems*