

**PROJECT ACE @ CODENECATION 2025 PRESENTS**

**COFFEE & DONUT ORDERING  
SYSTEM**

(Mobile App, Vendor Dashboard & Power BI Integration)

# PROBLEM STATEMENT

1

Long queues > customers wait too long

2

Vendors still use receipt printers > inefficient

3

Owners rely on hardcopy > difficult to analyze

4

No cashless payment > inconvenience

5

No integrated ecosystem > operations not smooth

# OBJECTIVES PROJECT

Develop a Customer App (Coffee + Donut customizable menu).

1

Build Vendor Dashboard (real-time orders, edit menu, manage stock)

2

Integrate Power BI (analytics, forecasting, supplier planning).

3

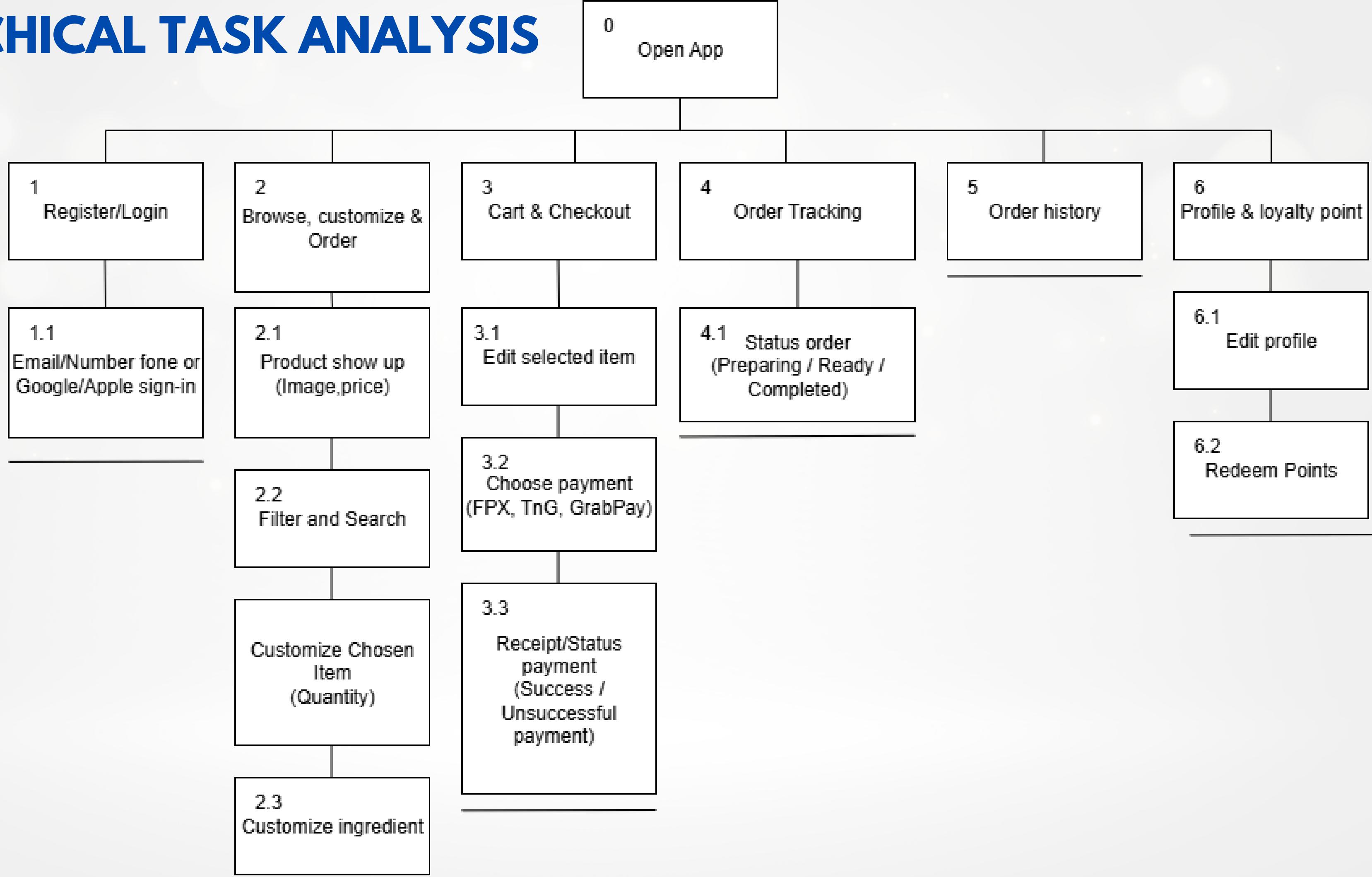
Our project aims to simplify the coffee and donut business by creating a Customer App for easy ordering and payment, a Vendor Dashboard for managing live orders and stock efficiently, and Power BI integration to provide real-time analytics, forecasting, and smarter supplier planning.

# **SYSTEM FLOW**

## (DIAGRAM)

Customer App > Firebase (orders & customer data) > Vendor Dashboard (live orders) > Power BI (analytics & stock forecasting).

# HIERARCHICAL TASK ANALYSIS

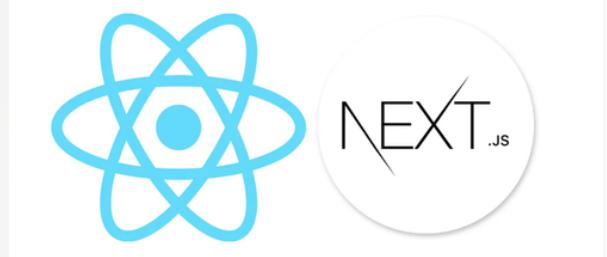


# METHODOLOGY & TOOLS

## TOOL USED:



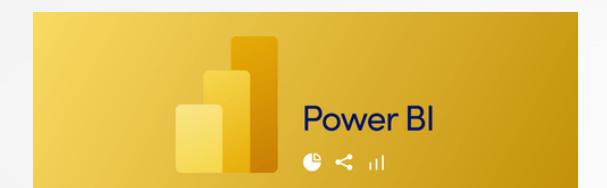
Flutter (Mobile App)



React.js/Next.js (Vendor Web)

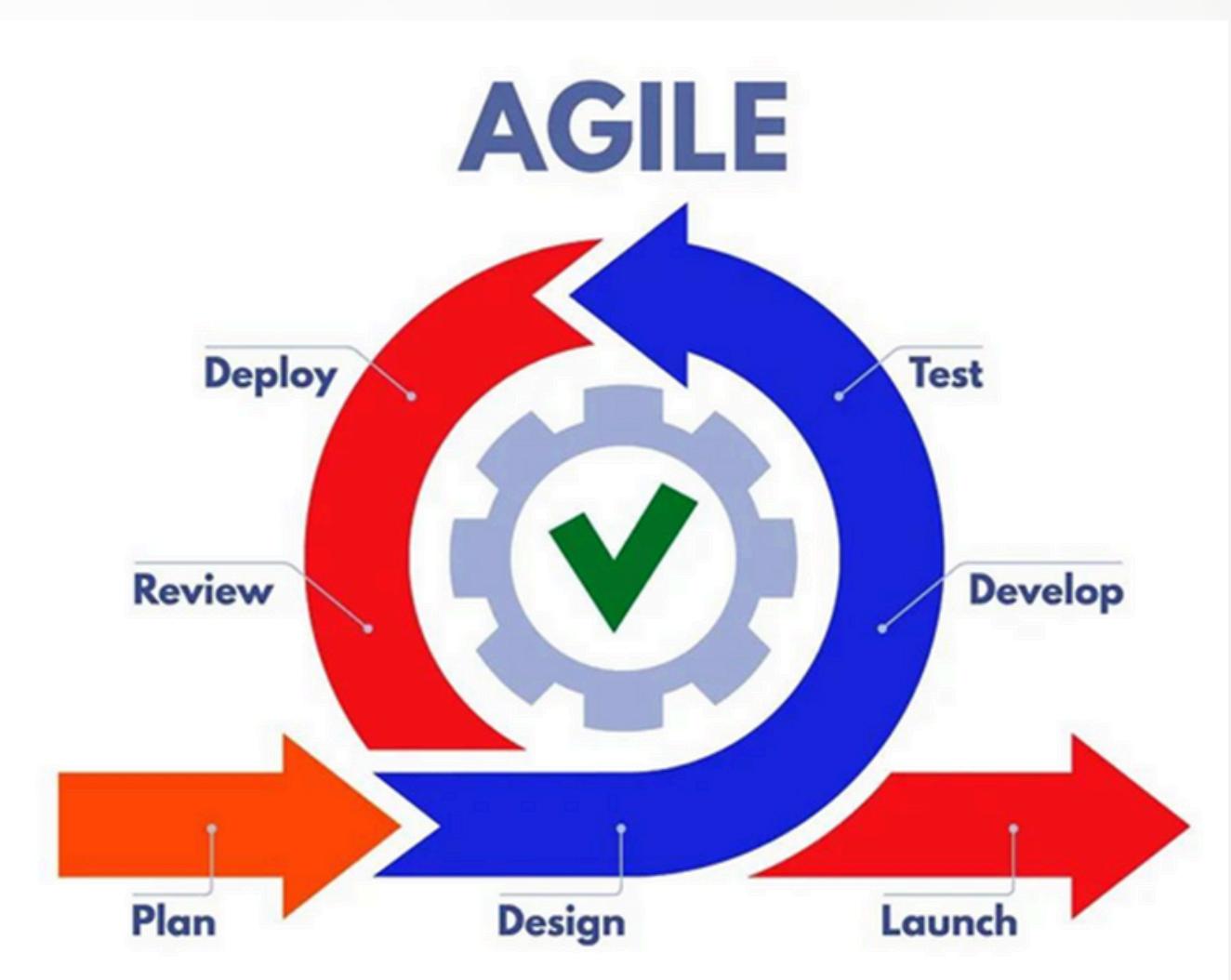


Firebase Firestore (Database)



Power BI (Analytics & Reporting)

Methodology: Agile Development



# GANTT CHART

# **Weeks 1-2:**

# Requirement + Design

# **WWeeks 3–6:**

# App & Dashboard Development

# **Weeks 7-9:**

# Integration (DB, Payment, Power BI)

# **Weeks 10-12:**

# Testing, UAT & Deployment

# **IMPACT & CONCLUSION**

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- Faster, cashless, and convenient ordering
- Vendors manage orders easily in real-time
- Owners make data-driven decisions
- complete digital ecosystem for F&B

# THANK YOU

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