

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

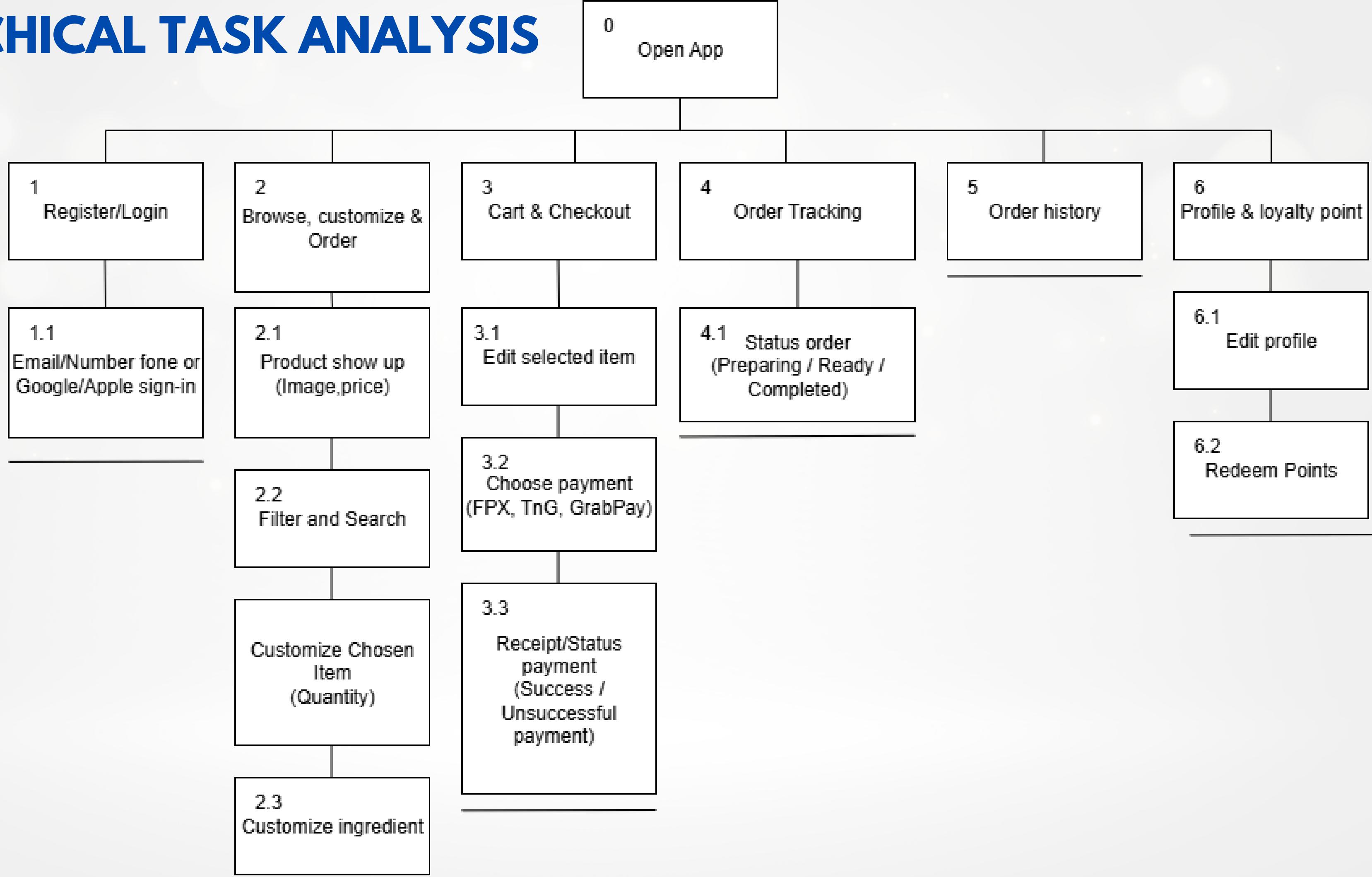
Our project aims to simplify the coffee and donut business by creating a Customer App for easy ordering and payment, a Vendor Dashboard for managing live orders and stock efficiently, and Power BI integration to provide real-time analytics, forecasting, and smarter supplier planning.

SYSTEM FLOW

(DIAGRAM)

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

HIERARCHICAL TASK ANALYSIS

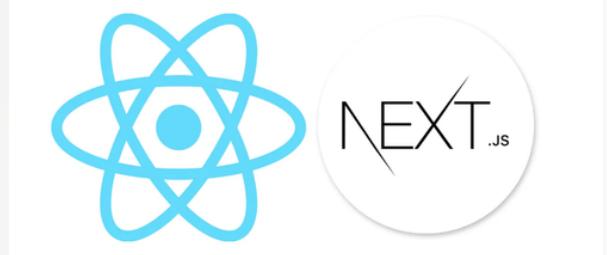


METHODOLOGY & TOOLS

TOOL USED:



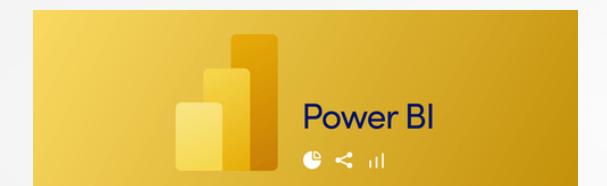
Flutter (Mobile App)



React.js/Next.js (Vendor Web)

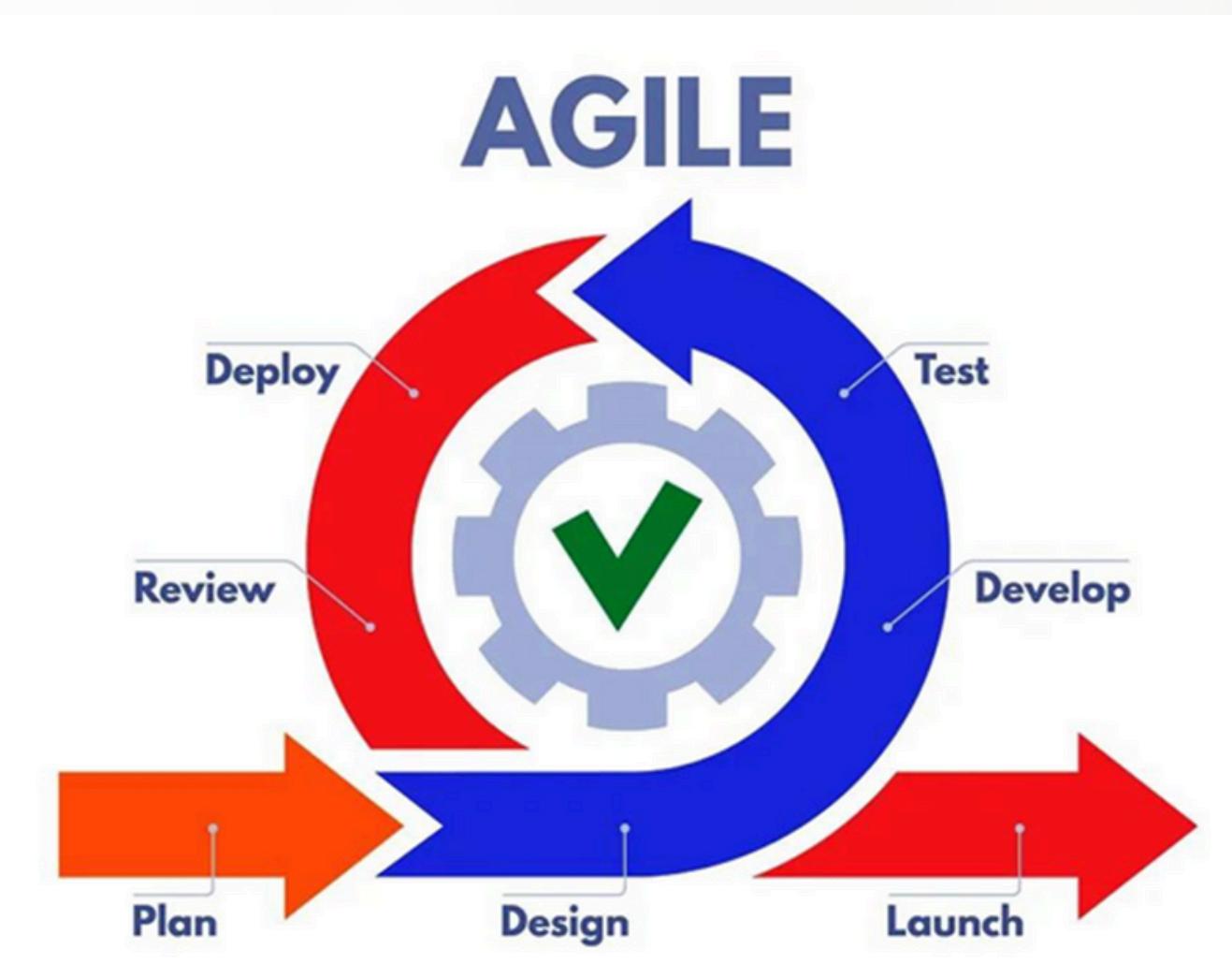


Firebase Firestore (Database)



Power BI (Analytics & Reporting)

Methodology: Agile Development



GANTT CHART

Weeks 1-2:

Requirement + Design

Weeks 3–6:

App & Dashboard Development

Weeks 7-9:

Integration (DB, Payment, Power BI)

Weeks 10-12:

Testing, UAT & Deployment

IMPACT & CONCLUSION

- 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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+123-456-7890



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