



The MSIS SAP Journey

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Taejun (TJ)

- MSIS Class of 2022
- From Seoul, South Korea
- Concentrated in Enterprise Security & Risk Management and Enterprise Systems



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- MSIS Class of 2022
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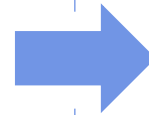
- 1** Enterprise Platform (EP) Module
- 2** Enterprise Systems Module (Overview/Conceptual)
- 3** Enterprise Systems Module (Implementation)
- 4** Conclusion

EP Module – Core (Fall) Semester

- Learned fundamentals of SAP
- 3-4 weeks of conceptual learning before gaining access to SAP
- Used both GUI and Fiori

Exam/Simulation Competition

- Exam: End-to-end process, enterprise structure, manual calculations
- Simulation: Class-wide competition on simulation-based game



S542 – Spring Semester

- One step further from what was learnt in Fall
- Used a hypothetical company that had a much more complicated structure/operational capabilities than the Fall company
- Constructed end-to-end process for domestic/international sales

Overview of EP Module in Fall Semester of MSIS



Conceptual Learning

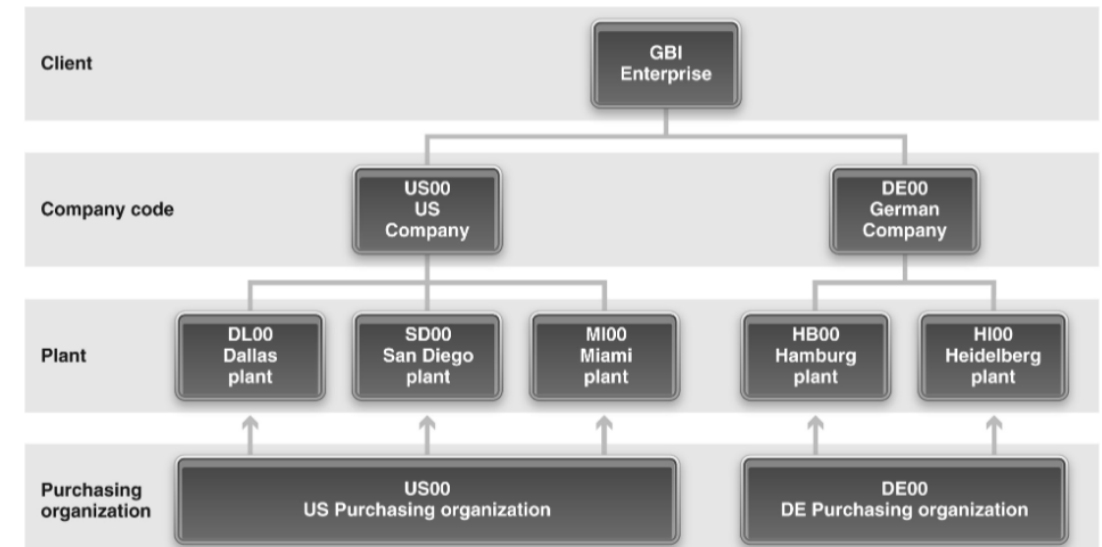
- Learned core concepts of SAP over 3-4 weeks
- Concepts included enterprise structure, end-to-end processes, etc.
- Learning supplemented by assignments/quizzes

Exam

- Tested on enterprise structure, manual calculations, etc.
- Key component: Finishing an end-to-end process with both MRP forecasting/manual planned orders

Simulation

- Competed against classmates on a simulation game
- Team with highest company valuation after 4 rounds won



EP MODULE

ES CONCEPTUAL

ES IMPLEMENTATION

CONCLUSION

Business Process Integration in ERP – A Practical Mastery in SAP S/4 HANA Configuration



Objective

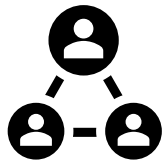
To learn about end-to-end business process by configuration of all complex core business processes of a hypothetical company using SAP S/4 HANA



Ensuring that the capabilities identified in the business blueprint are realized in the ERP system

- **Global Bike, Incorporated (GBI):** *The company has multiple lines of products from off-road bikes to professional touring bikes as well as an expansive line of bicycle accessories obtained from outside vendors. The bicycles and accessories are sold through a dealer network. The bicycles are produced in two manufacturing facilities: one in the United States and the other in Germany*

What do we derive from the description?



Enterprise Structure
(or) Organizational
Data



Business process
rules and
Parameters



Master Data of
the
organization

Key Learning Take-aways:

- Legal, functional and business-focused components of the enterprise
- Understanding of Business Processes like Sell, Buy, Plan, Make, Store, and Track (FI & CO)
- Configuration of Key business processes

Mid Term Exam

A Scenario of an organization written in business terminology that had to be translated into organizational elements, master data, and business processes with integration testing

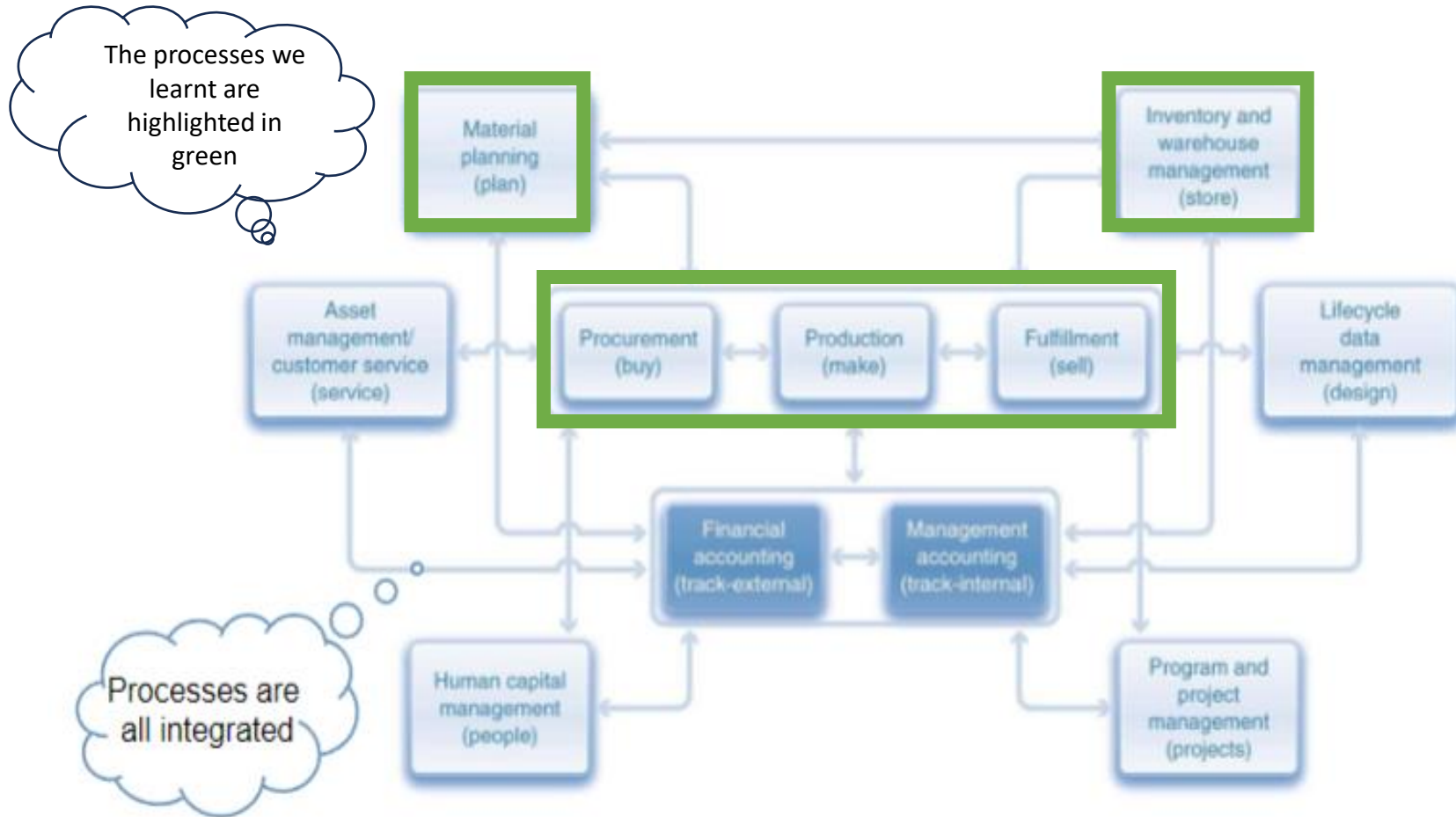
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Key Business Processes

- Understanding the triggers behind the initiation of each of these processes
- Understanding the organizational data involved in each process
- Understanding the artifacts generated at each step in the process
- Understanding how the microprocesses within each step are interrelated with multiple business processes

EP MODULE

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Financial Accounting Configuration

Key enterprise structures encompass the chart of accounts. Configuration for automatic account determination includes posting periods, field status, document types, and posting keys.




Management Accounting Configuration

In overhead management, the controlling area is the primary enterprise structure. Multiple company codes can be linked to a single controlling area for comprehensive overhead management.



Procurement Configuration

Essential enterprise structures include company code, plant, storage location, purchasing organization, and group



Fulfillment Configuration

We address rules such as shipping point, pricing, account determination, availability checks, customer account groups, and sales document types.



Production Configuration

The business rules and parameters covered are production scheduling, plant parameters, production confirmation, order types, availability check, and automatic account assignment

Integration Testing

Performance of Integration testing with a scenario in place to validate the performance of end-to-end business processes and assess the data movement across these processes

EP MODULE

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Enterprise Systems – Final Project (T.Blood Inc)



Organizational Background

- Healthcare diagnostic equipment manufacturer with a niche focus on blood analysis
- Long history in both regional and global markets

Procurement

- Materials are sourced globally, and all vendor payments are made in USD by the centralized purchasing organization in Indianapolis
- All vendor contracts for raw materials and trading goods are negotiated by a dedicated purchasing team at HQ

Production

- Manufacturing of products is performed across 2 plants globally: Indianapolis-USA and Singapore
- The products are sold directly to consumers and/or Value-Added Resellers

Fulfillment

- Order fulfillment is undertaken by sales offices located across the globe
- There are significant penalties for late deliveries

Task

- Create a Strawman Architecture and Business Blueprint for T.Blood Inc
- Configure an SAP S/4 HANA system for T.Blood Inc based on the company details provided

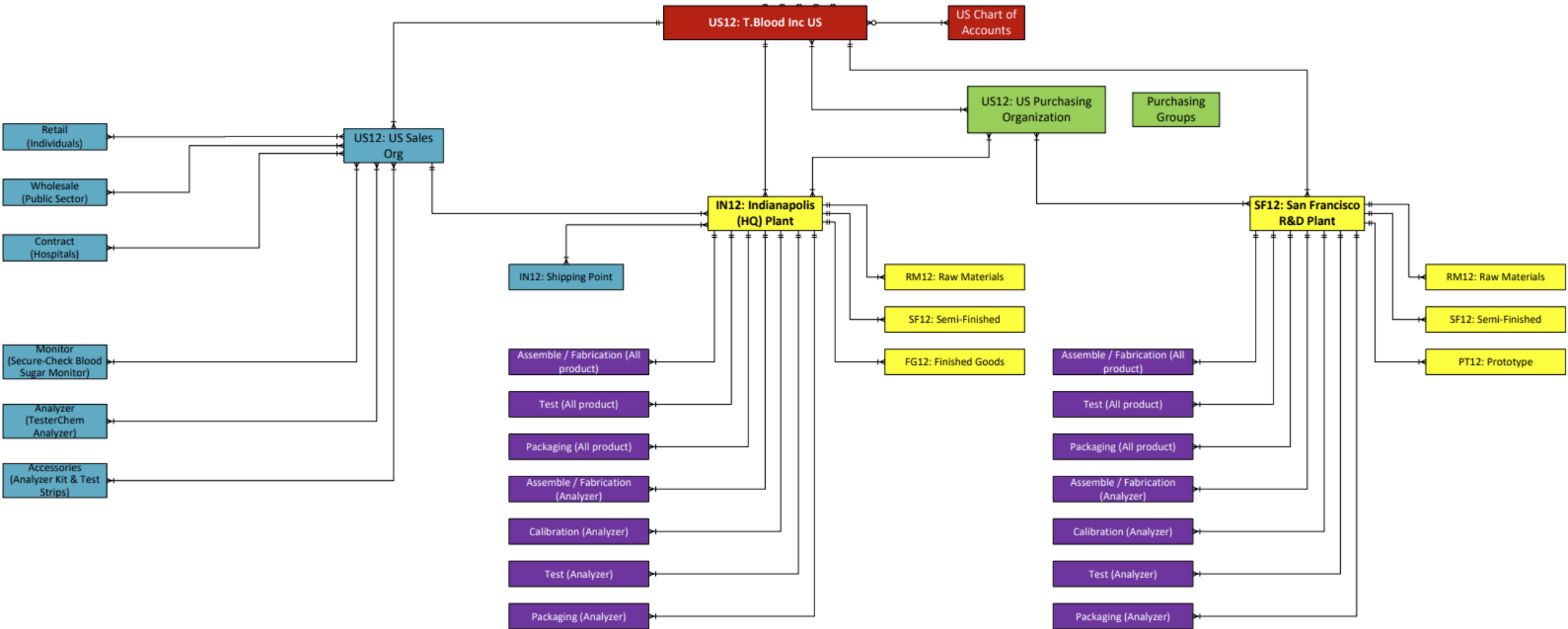
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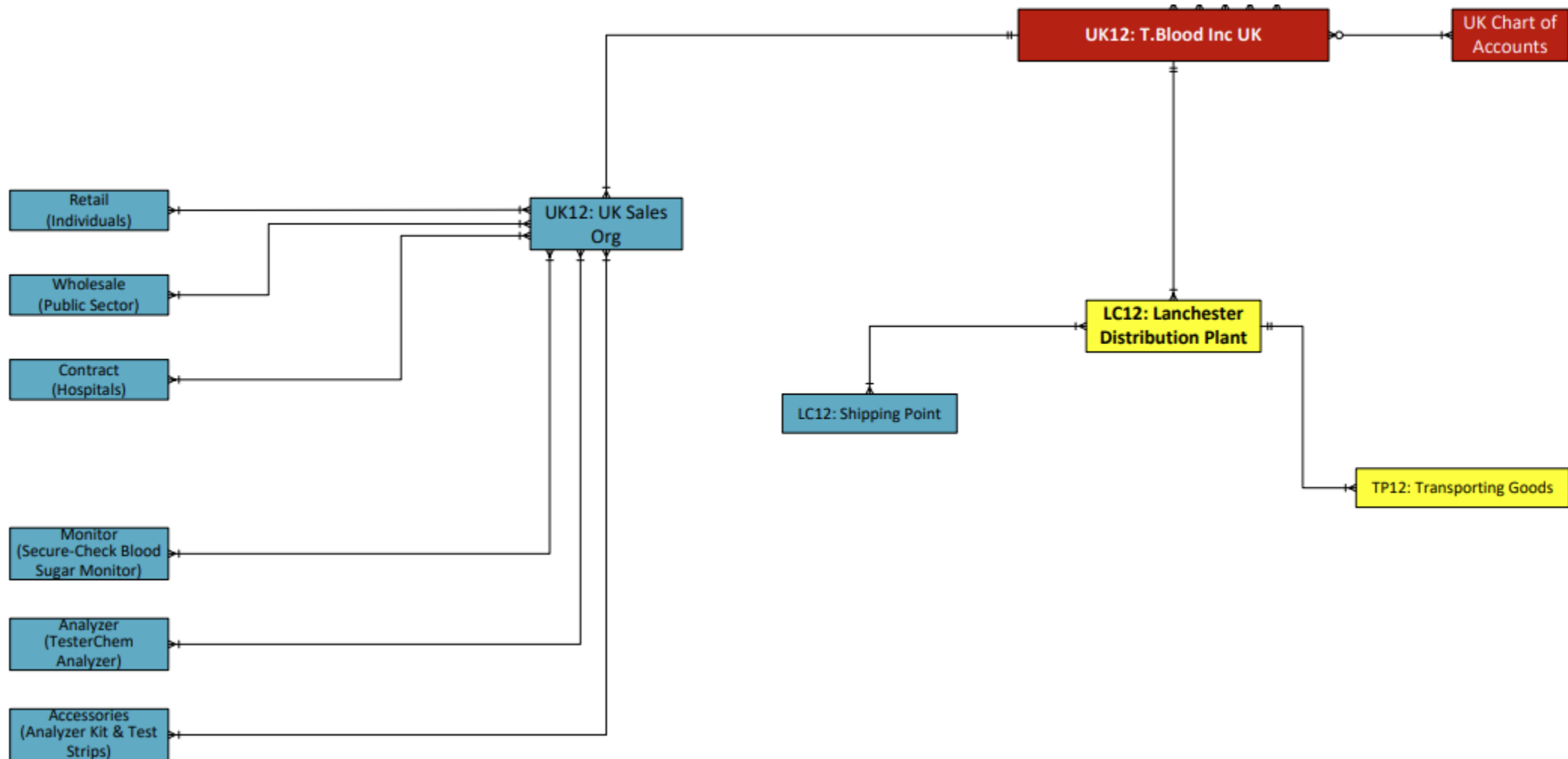
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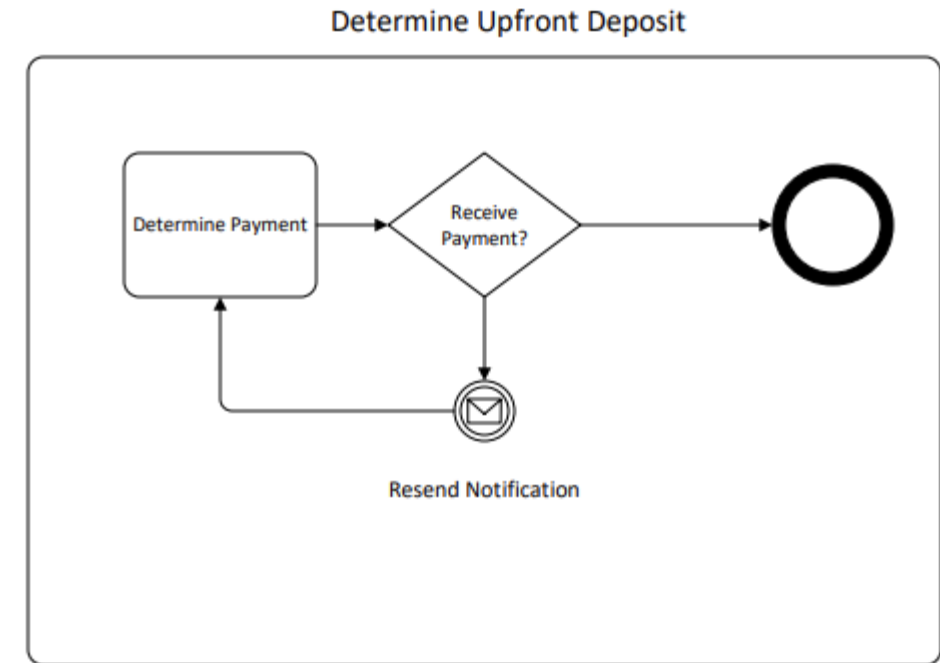
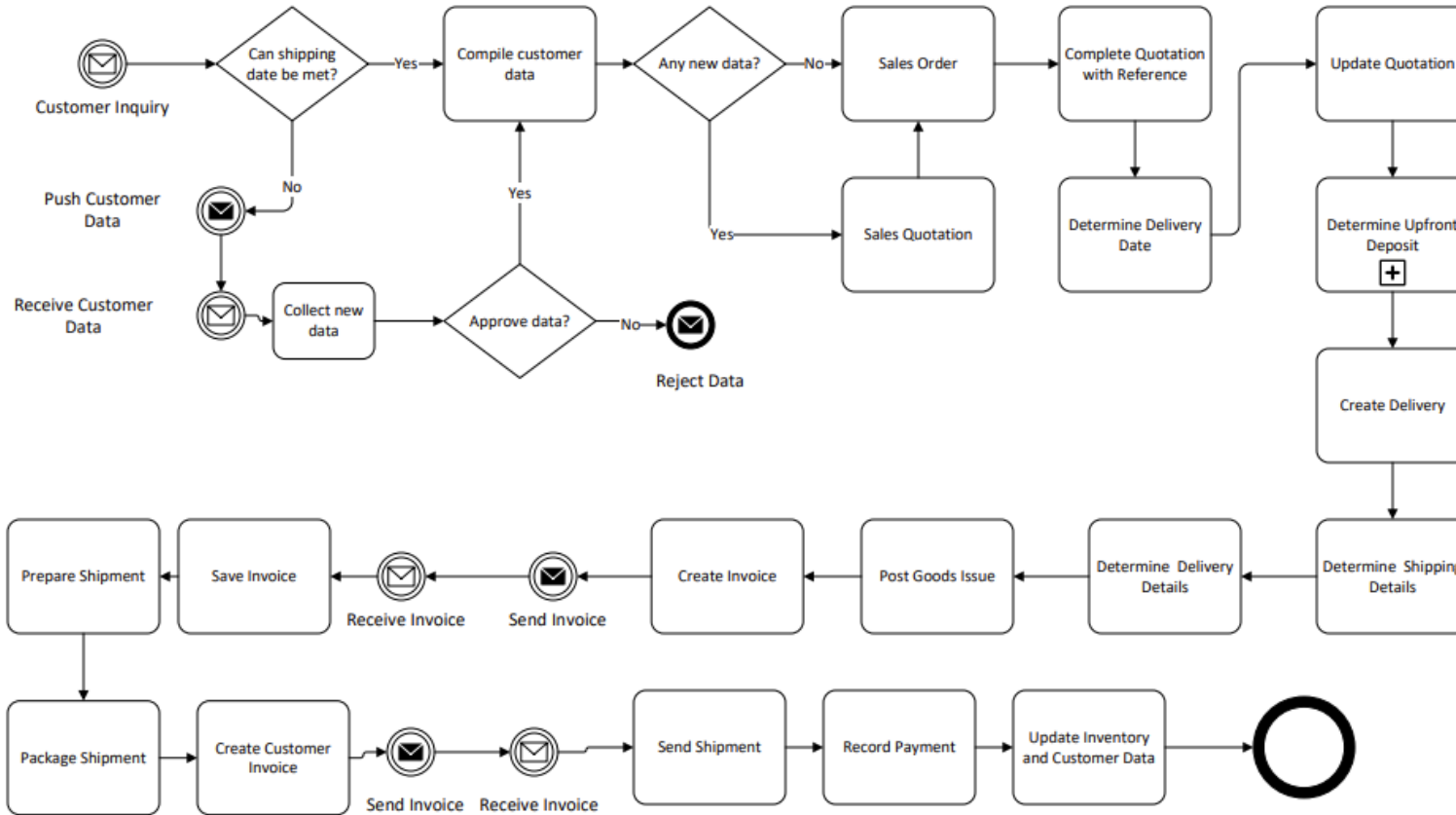
Strawman Architecture Creation – U.S. Company Code



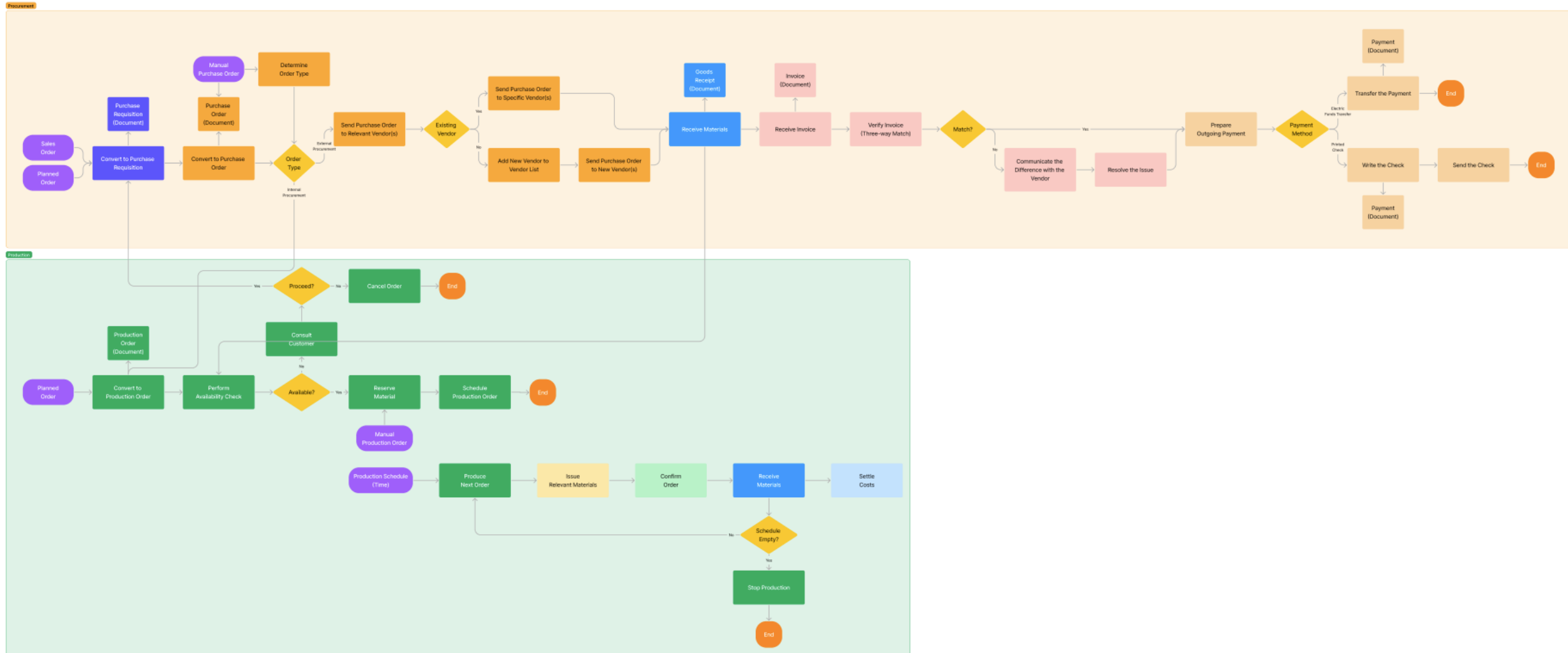
Strawman Architecture Creation – U.K. Company Code



Business Blueprint Creation – Fulfillment



Business Blueprint Creation – Procurement & Production



“...86% of Fortune 500 companies are SAP customers and is estimated that anywhere between 92% and 98% of Fortune 100 companies use SAP. The top 10 in the Fortune 100 all use SAP. SAP is known as “the choice” software for these companies.” - ThriveMyWay

Full T.Blood Inc Strawman Diagram

