

Great Innovus

Business Central

Case Studies

Agenda

- > Extensions/Modules developed in Business Central D365
- > Power Apps
- > NPO
- > QA

Extensions/Modules developed

- **Call Plan**
- **Advanced comments for food and beverage**
- **Backorder Management for Food and Beverage**
- **Process Manufacturing**
- **Forecasting for food and beverage**

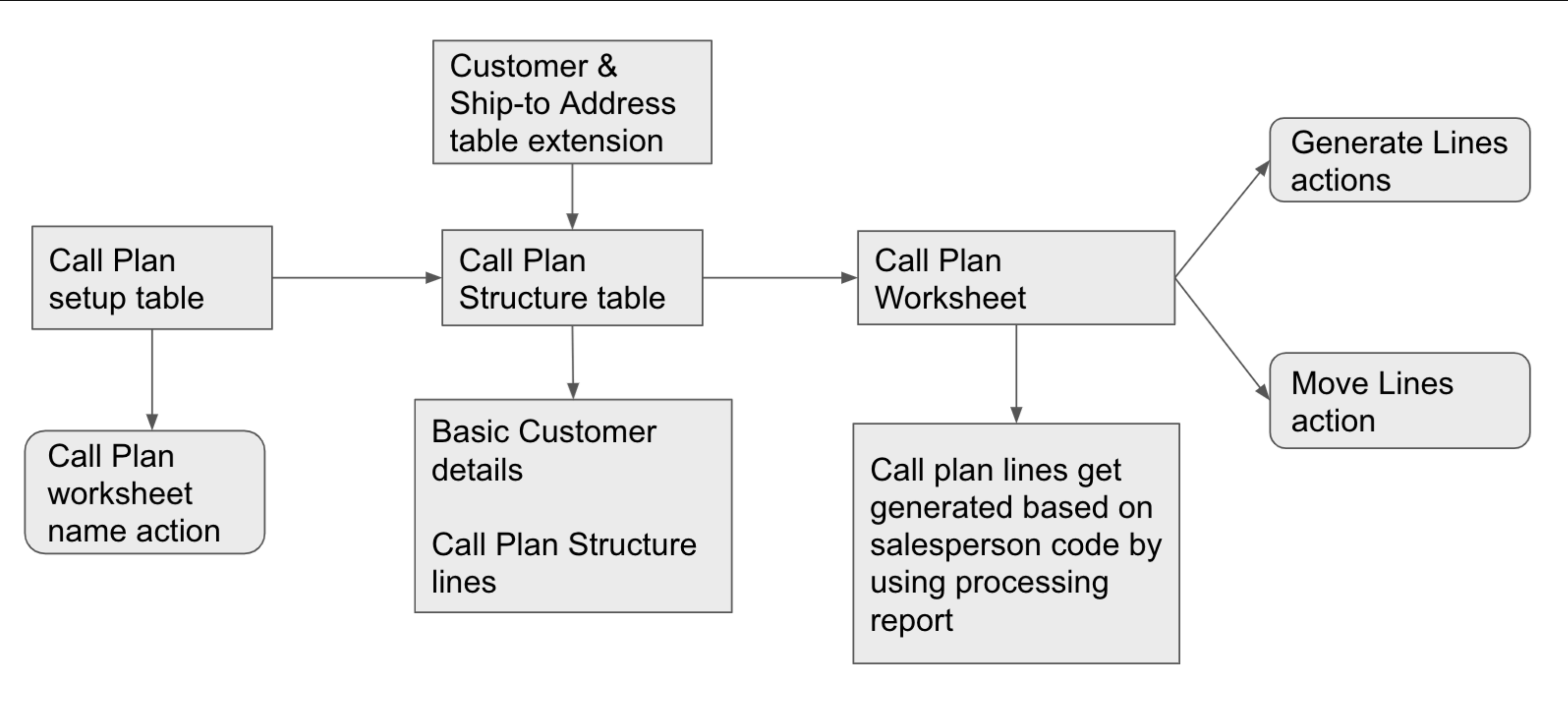
Call Plan

Keeping track of sales opportunities can be tricky with shifting delivery schedules, long lists of current customers and – of course – always having to nail down the best person to contact.

Key Features

- Assign Customers to Salespeople
- Track Every Sales Opportunity
- Contact Customers More Efficiently
- Create Call Day Parameters
- Cut-Off Restriction
- Responsibility Centres

Call Plan



- Creation of tables such as setup table and database table.
Call plan setup, Call plan structure, Call plan ship-to address table
- Creation of pages like worksheet, document, list and factbox.
Call plan customer ship-to address card page.
Call plan worksheet name list page.
- Placing action buttons.
Call structure action button in customer card
- Working with processing reports.
Call plan worksheet such as requisition worksheet
- Using page extensions and table extension
Ship-to address card page, Customer table, Application area table
- Working with codeunits and event subscriber.
Functionalities for call plan worksheet
- E-Mail integration
SMTP Mail setup

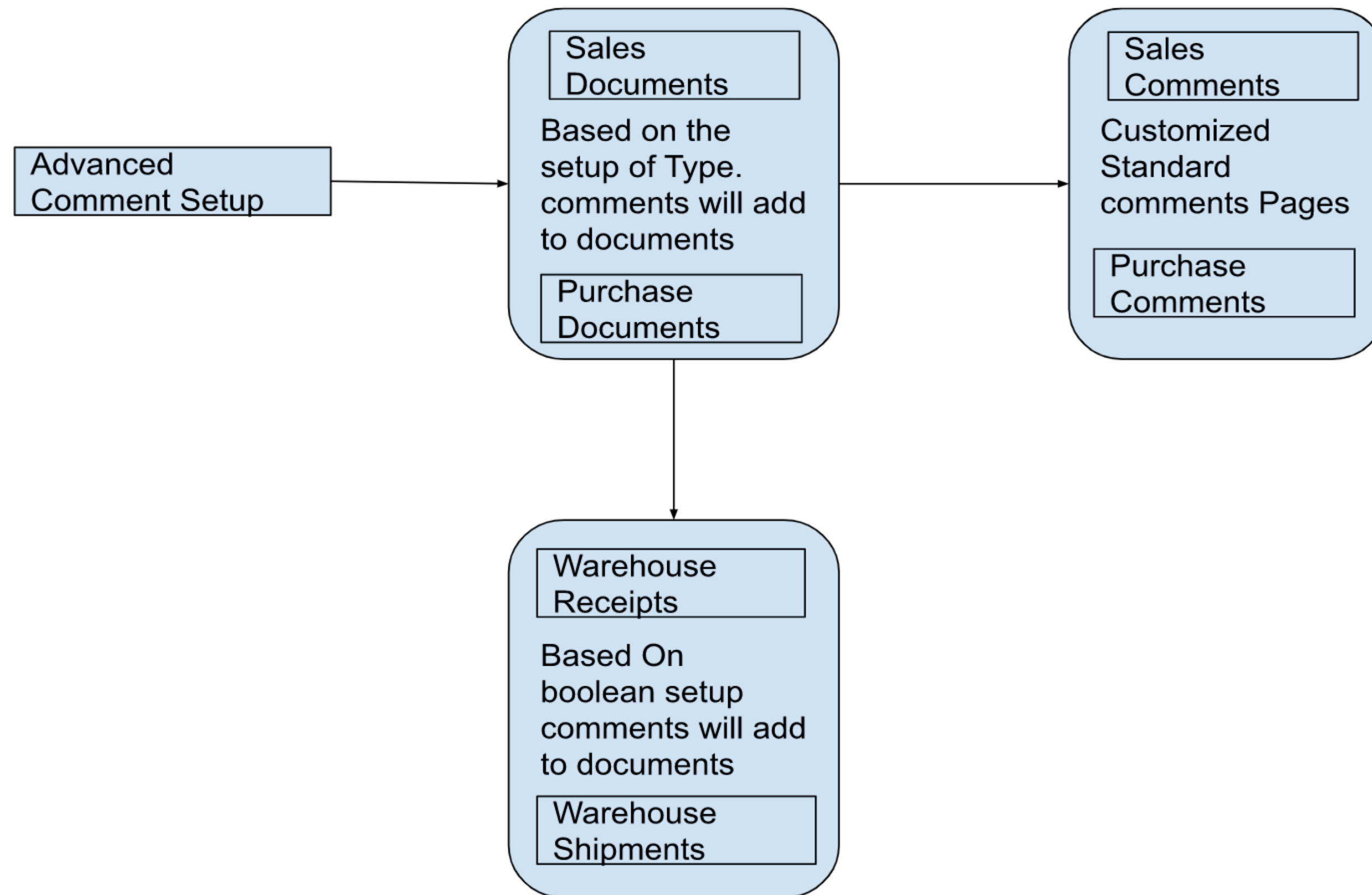
Advanced comments for food and beverage

Create and manage any comments that should be included on warehouse or sales documents. Everything from picking and handling instructions, payment terms and more can be included. Comments can also be general or specific to a particular customer or item.

Key Features

- Establish General or Specific Comments
- Use The Same Comments Across Documents
- Duplicate Comments
- Notify your users to ensure that important comments are read
- Print comments easier

Advanced Comments Technical Details



- Created new Page objects
- Extended the Base Page Objects and added new actions button to view the comments(Page Extension)
- Added New fields for the base Table and Page objects
- Added new Table objects(Table)
- Extended base Table objects(Table Extension)
- Added new Codeunits
- Used based events to add the logic.(Events)
- Implemented new notification
- Added new application area and extended the base application area

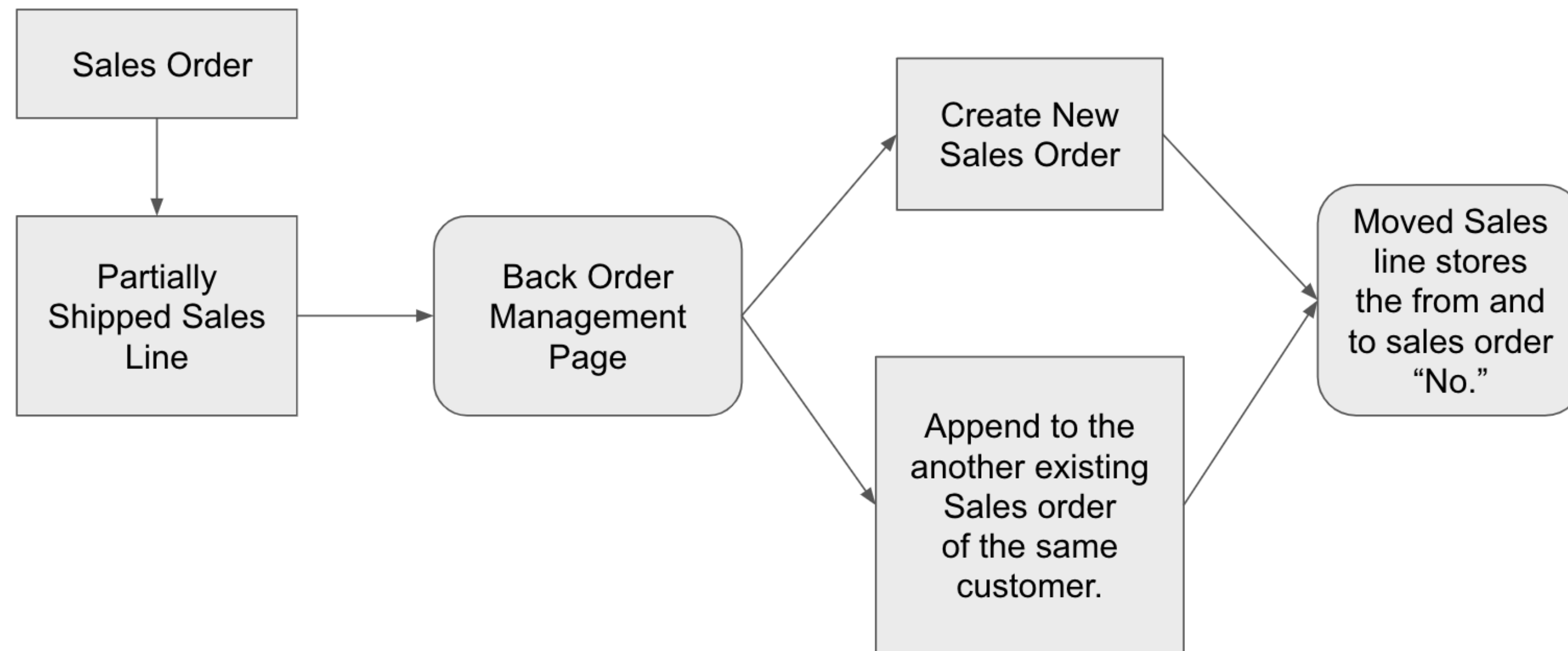
Backorder Management for Food and Beverage

In food and beverage, it may occur that supply chain disruptions or other factors prevent delivery of goods to your customers on the date they have requested. In such situations, you want to retain customer satisfaction by ensuring that these backorders are not missed when the inventory becomes available.

Key Features

- Review outstanding sales order lines
- Move To New Sales Order
- Move To Existing Sales Order
- Retain Current Prices
- Recognizable and traceable

Backorder Management Technical Details



- Worked in page extension and table extension
Addition of fields in sales line table and page
- Creation of standard dialog box
Moving sales lines to existing and new sales order based on partial shipment
- Using event subscribers in codeunits
Backorder codeunit with global triggers
- Creating .rapidstart package
Contains demo data for particular module implemented using configuration package
- Implementing list page
Backorder items in a list page with item number, description, quantity, unit of measure etc.

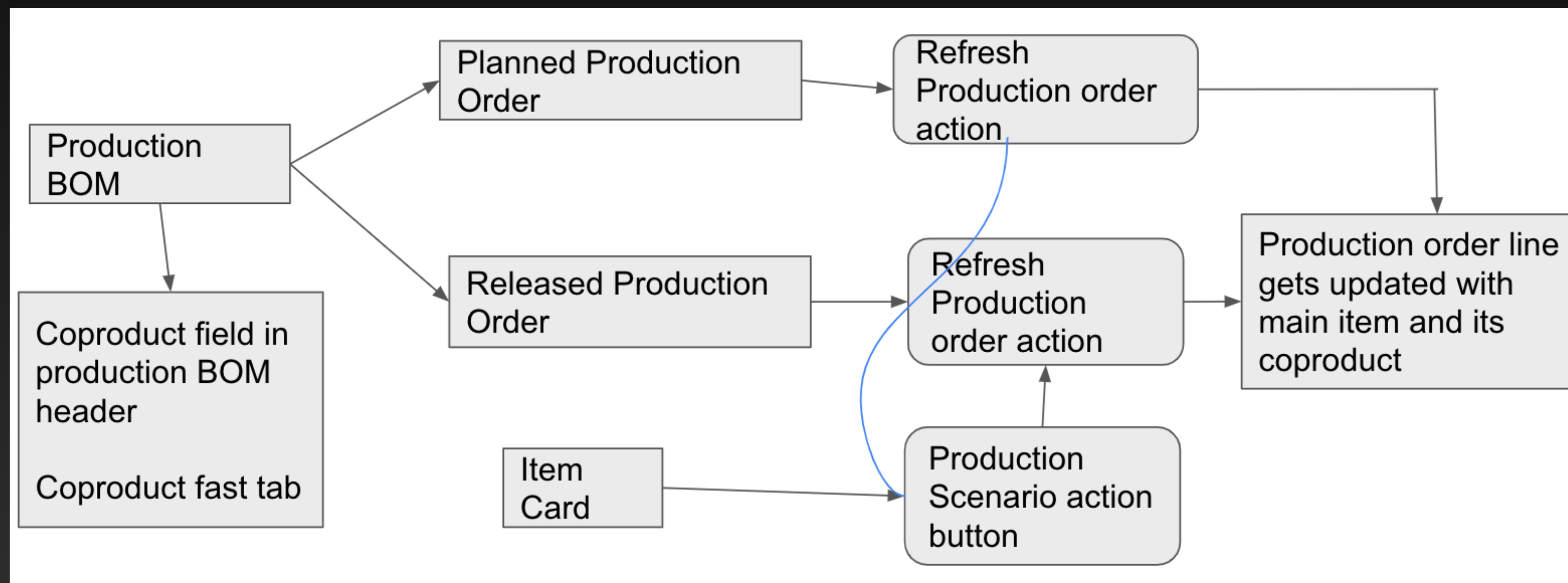
Process Manufacturing

Bulk material is often produced in a blender, silo, pan or cutter in a production batch process. Process Manufacturing solution enables batch sizing, allowing you to figure out how many batches are needed to produce the desired quantity of a product. You can also determine the required quantity of the needed raw materials per batch.

Key Features

- Use Functionality Made For Food and Beverage
- Accommodate Your Processes
- Handle batch sizing
- Lot tracked item backlashing
- Picking
- Consumption posting
- co-products and unplanned output and consumption

Process Manufacturing Technical Details



- Worked on base functionalities
 - Planned production order, Firm planned production order and Released production order and Planning worksheet
- Extending base tables and pages
 - Addition of coproduct fast tab in production order page
 - Adding BOM for coproduct field in production BOM header
- Creating code units with event subscriber
 - Using integration event from production order table, production order line and reports along with global trigger
- Integrating with other modules
 - Production scenario module
- Checking routing, production order component, BOM version etc.

Forecasting for food and beverage

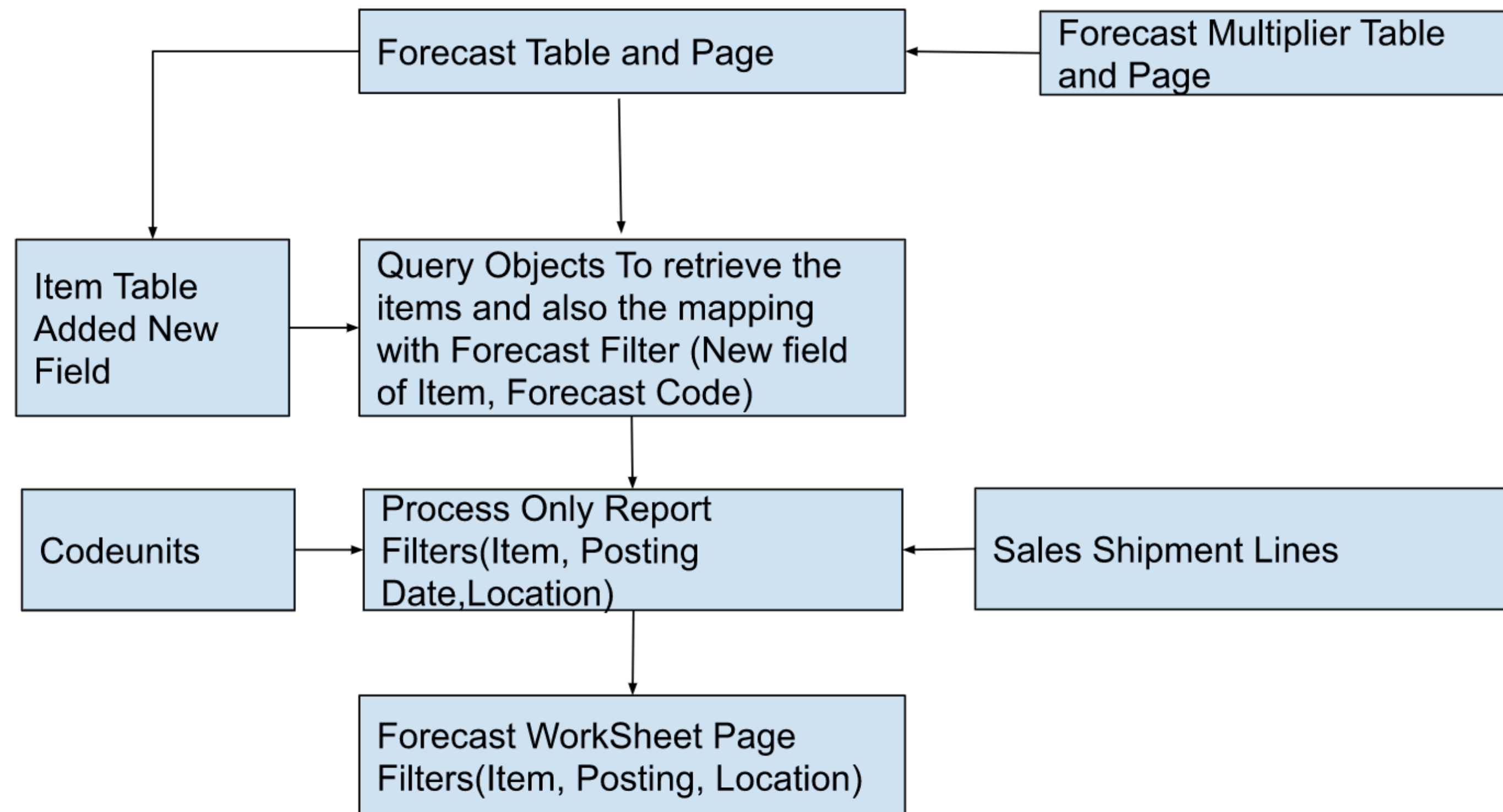
Create and manage any comments that should be included on warehouse or sales documents.

For a fresh food business where production needs to start prior to the final sales order totals being known, the features of this app improve efficiency in deriving the daily forecast and in monitoring and executing production against the forecasted demand.

Key Features

- Calculation of a daily forecast on customer, item, location and day basis
- Match forecast with actual sales on an item / location / day basis, resulting in a projected forecast
- View the inventory, projected forecast, and quantity to produce all within a single page
- Create production orders to accommodate projected shortages
- Import sales history data directly into the forecast entries, with options for how the history is summed and spread among the forecast
- Import consumption history directly into the forecast entries as a component forecast

Forecasting Technical Details

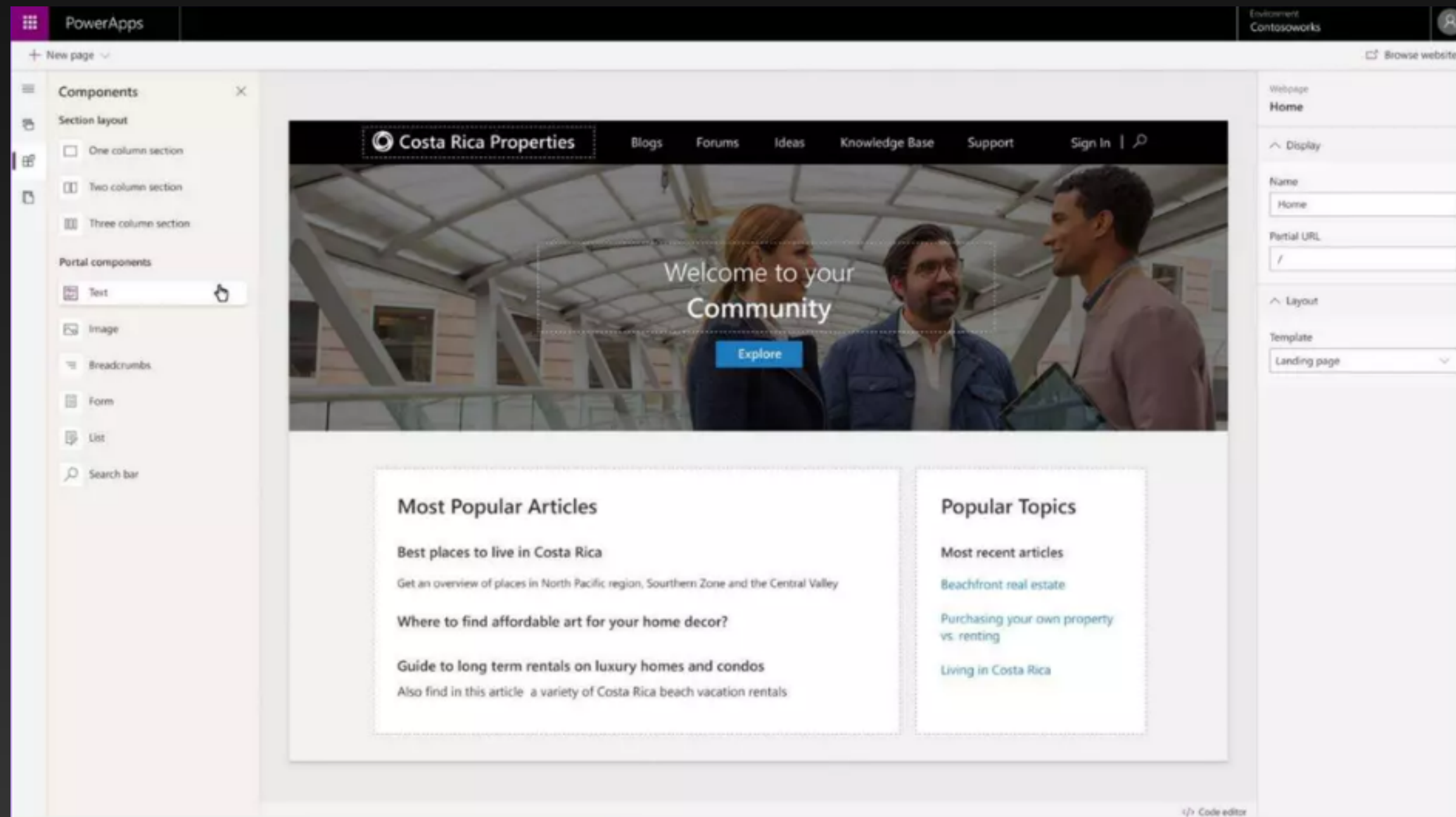


- Created New Page Objects
- Created New Table Objects
- Created New Report Objects
- Created New codeunit Objects
- Created New Query Objects for Items using the filters(Blocked, New field from Item)
- Implemented Test Codeunits for the Test Cases
- Added Action buttons to Page Objects
- Implemented Findnext and FindPrevious button to get records
- Location, Item and Date filters are applied to get the forecast details

Non Profit Organisation using power platform

Build an Application using Power Apps for Non Profit Organisation with No Code Low Code Strategy.

Implemented using Dataverse and CDM (Common Data Model)



Key Features

- Responsive web platform.
- Enrich Portals with Model-Driven Forms,Views,Lists,Charts and Dashboards.
- Enable External Access with Portals.
- Empower anyone either inside or outside of our organization to interact with microsoft dataverse data using portals.
- Access Content Anonymously.
- Mash up data from multiple sources at the App Level.
- Use it as you build it

• Create App logic with familiar expression.

Dataverse

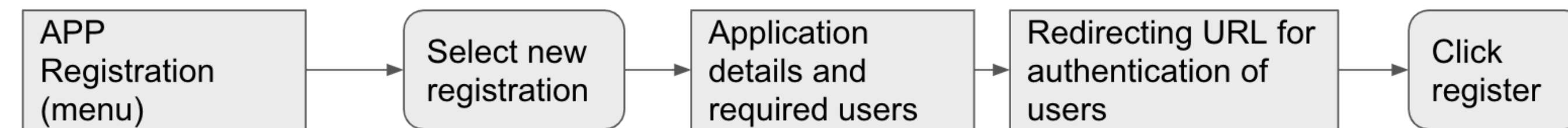
- Dataverse simplifies the process of managing data in Power Apps, making it easier for users to build and deploy apps quickly and efficiently.
- It allows users to easily store and manage data used in their Power Apps.
- It provides a way to create, read, update, and delete data within the platform, and includes features such as data security, data relationships, and data validation.
- It provides a single source of truth for data used in Power Apps, allowing multiple apps to use the same data source.
- Securely store and manage data that is used by Power Apps
- Data within Dataverse is stored within a set of tables
- Types of Dataverse
 - CDM(Common Data Model)
 - Custom Table

Common Data Model

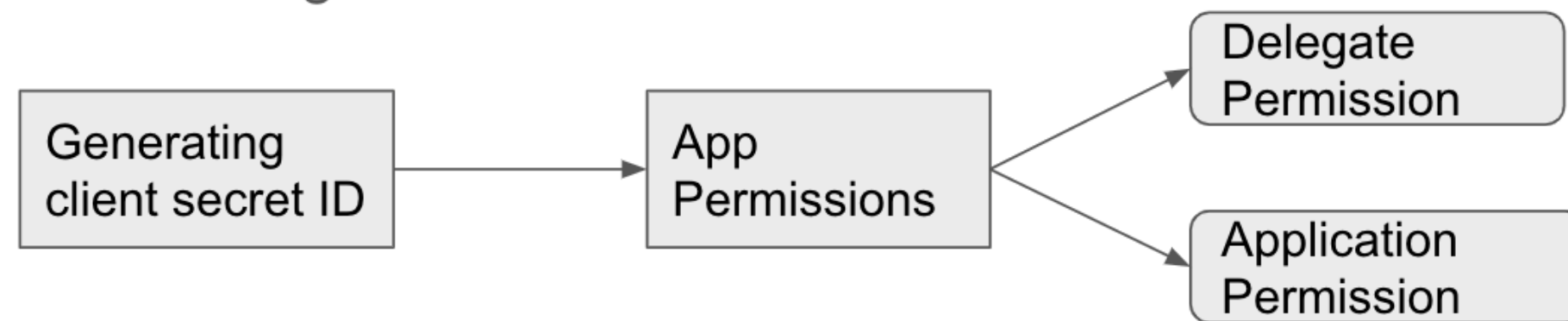
- Common Data Model provides a standardized way to describe and share data across applications and services, helping organizations to achieve greater consistency and efficiency in their data management and analysis efforts.
- Dataverse includes a base set of standard tables that cover typical scenarios that is called CDM
- We used the following CDM
 - Account
 - Contact
 - Email
 - Address

Non Profit Organisation Technical Details

Registering the application

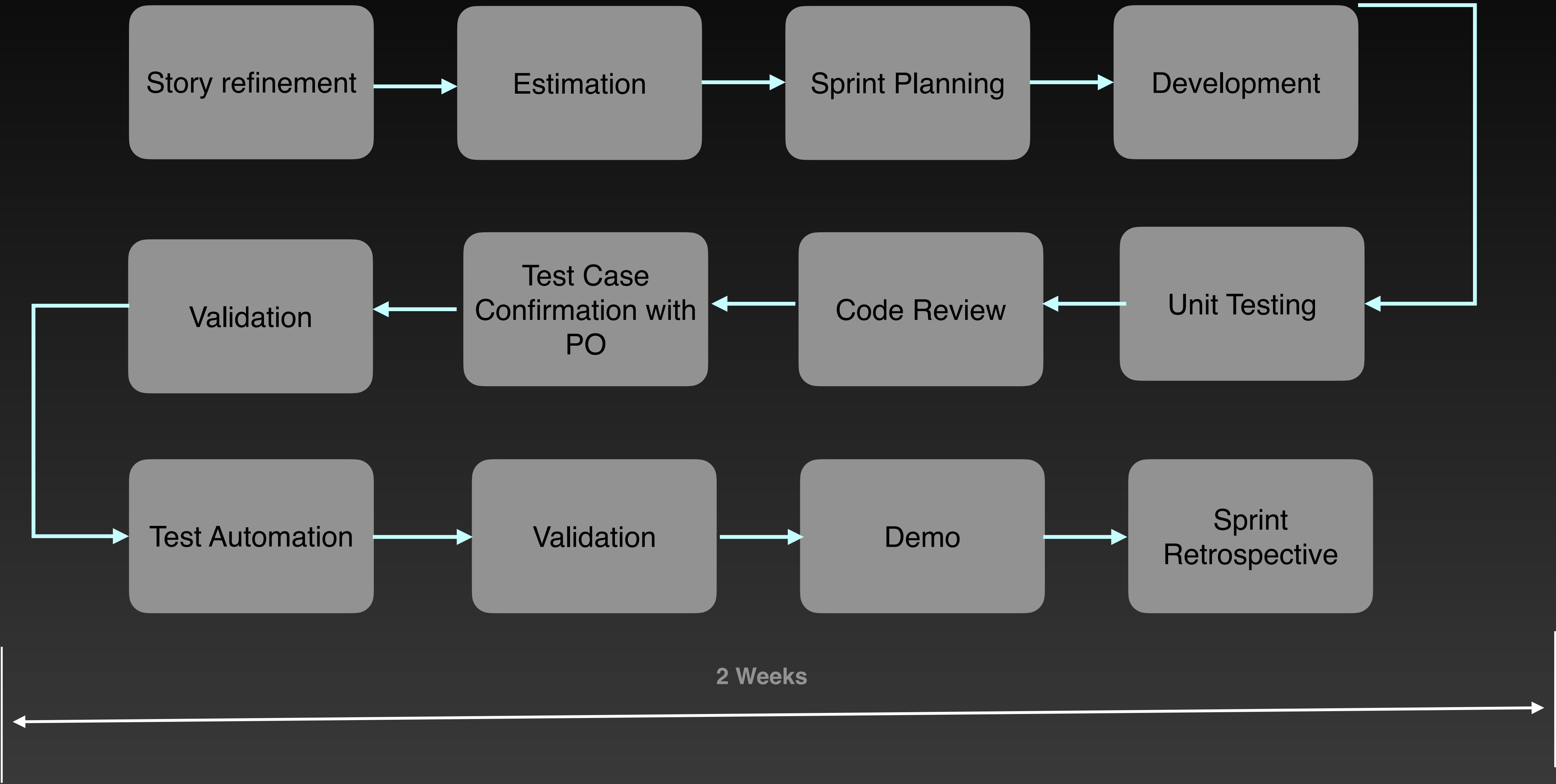


Generating Permissions



- Creating setup table and standard table and pages.
 - Donor, Fundraising event, Fundraising Service and NPOIntegration setup table
- Using table extension and page extension.
 - General journal line table, Sales & Receivable setup table
- Workaround of posting mechanism.
 - Posting of donor transactions which is tracked in donor ledger entry, fundraising ledger entry
- Creation of batch jobs
 - Dynamic posting with respect to time frequency

SCRUM Process



QA