

# Rolling Your Own: Building Apps in Autodesk® PLM 360

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# Class Summary

Learn how to map, build, and implement your own custom apps in Autodesk PLM 360. This class starts from scratch on workspace, workflow, and data creation. We will cover mapping business processes into Autodesk PLM 360; creating and implementing workspaces; creating custom workflow maps, lifecycles, and revisions; and customizing your reports and dashboards.

# Learning Objectives

At the end of this class, you will be able to:

- Using PLM as a work tool
- Understand Advance theory of PLM
- Advance Workspace Planning
- Advance Workspace Manipulation



# What is PLM, Really?



# Product Vs. Project

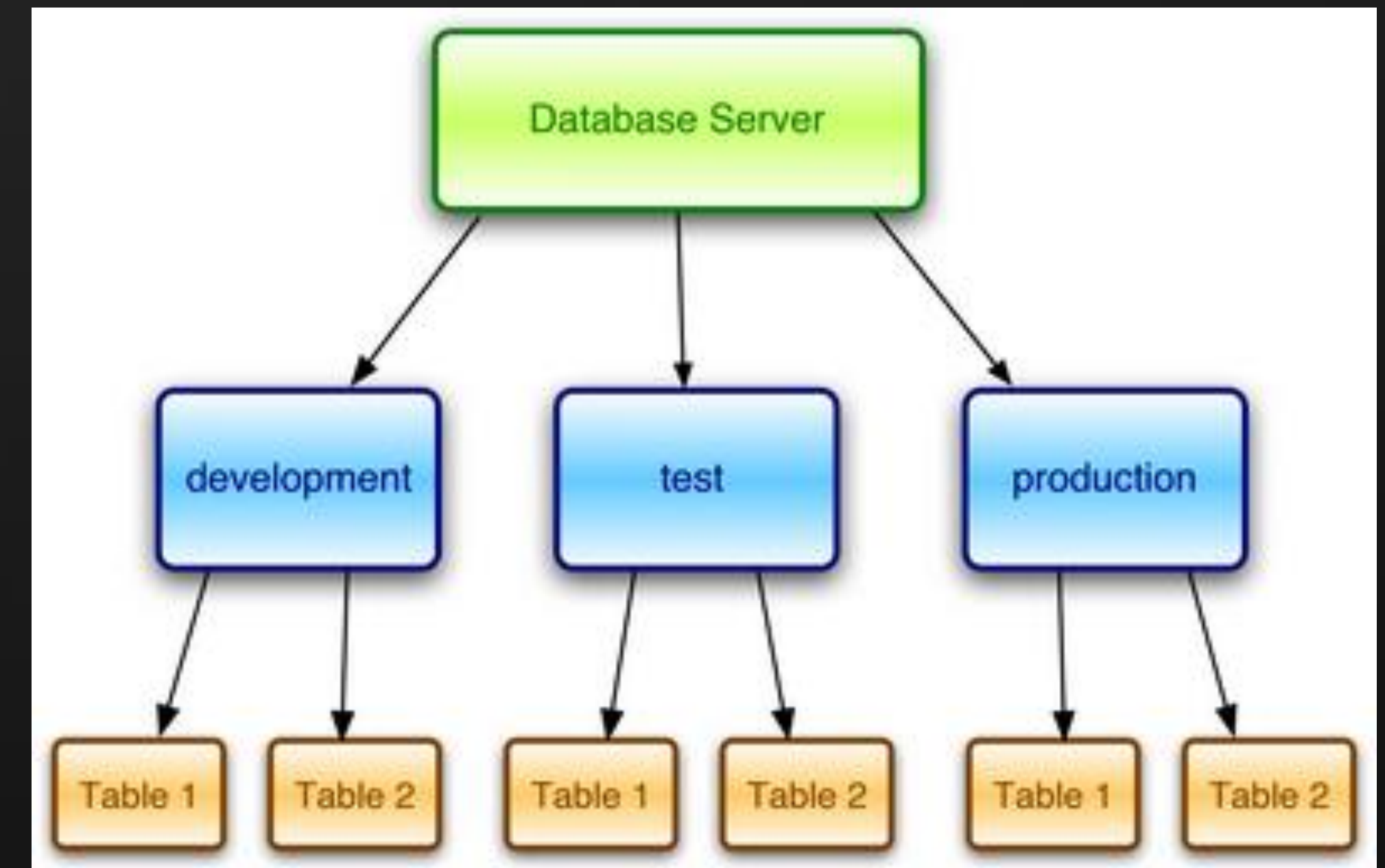
Product

Project



# What about Lifecycles?

# Theory of Workspaces



# Basic workspace

Non Workflow

Workflow



# Revision workspace

Controlled

Controller

**Supplier**

**Non Workflow**

**Workflow**



# Workflow, What?

- What is a Workflow?
- How do I plan a Workflow?
- What is a Multi-flow (Dual Workflow)?

# How to plan a new Workspace

- Plan ahead
- Build a Roadmap
- Choosing your tool



# Build for now, Plan for the Future

- Record
- Report
- Process (Workflow)

# Build a Roadmap

- Workspace
- Workflow
- Automation
- Roles & Permissions



# Choose your Weapon (tool of choice)



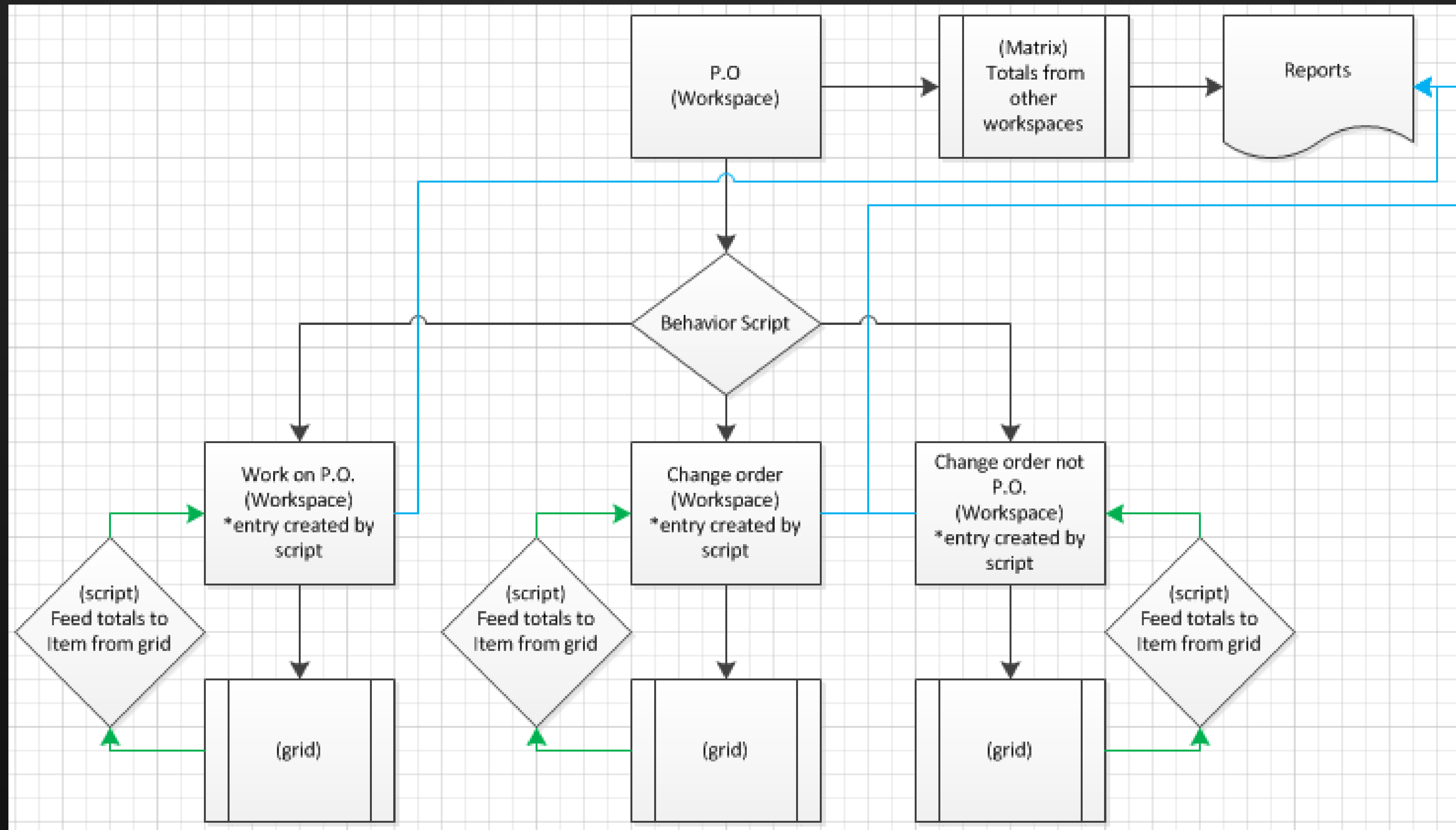
Customer	
PK	<u>Customer Number</u>
	Customer f name customer M name customer l name shipping line1 shipping line 2 shiiping city shipping state <b>shipping zip code</b> shiiping county billing same as shipping bill line 1 bill line 2 bill city bill state bill zip code bill country total orders to date

# Visio

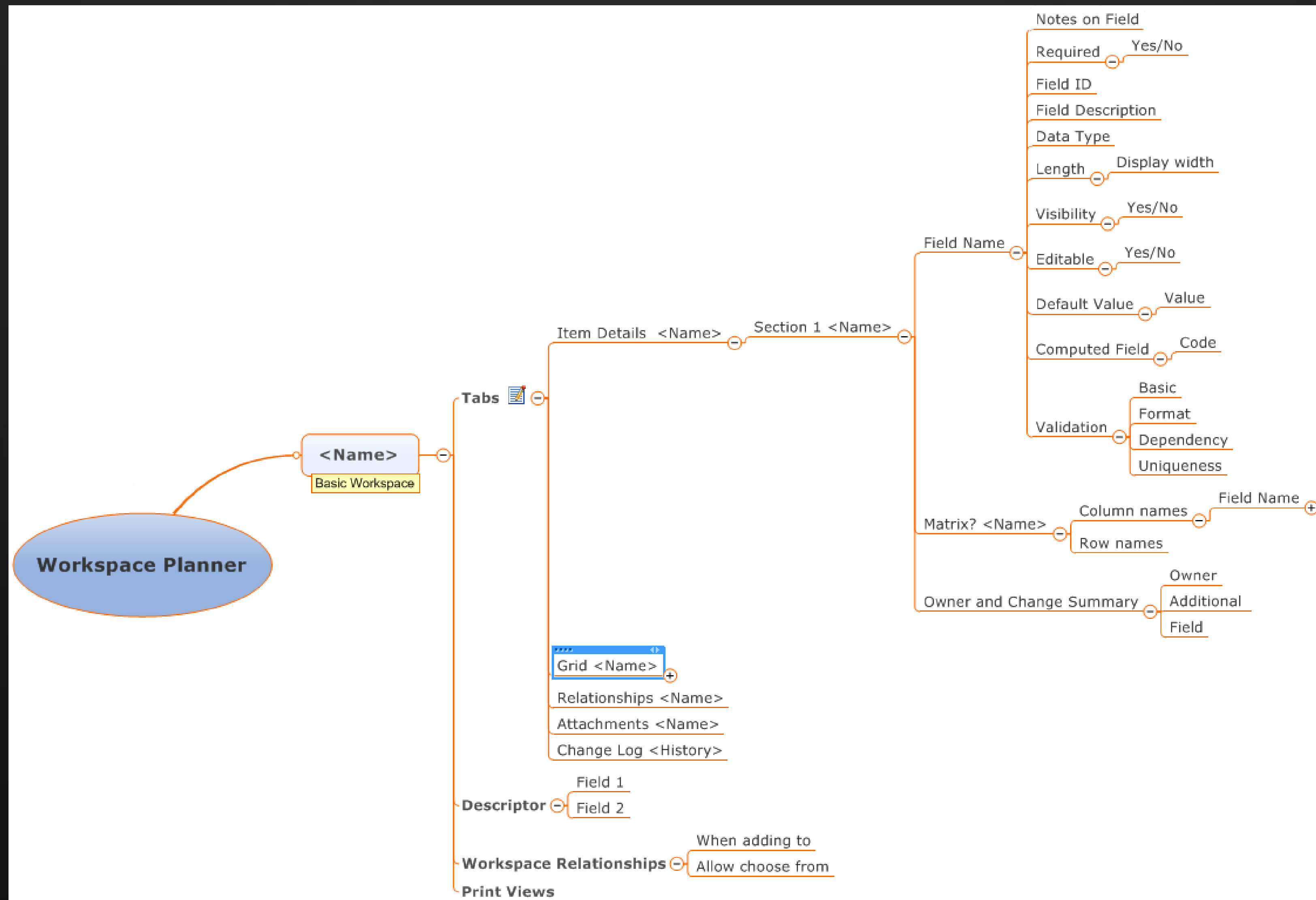
	Physical Name	Data Type	Req'd	PK	
	shipping line 2	CHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	shipping line 2 is of Customer
	shiiping city	CHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	derived from zipcode - Non editable
	shipping state	CHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	derived from zipcode - Non editable
	shipping zip code	CHAR(10)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	linking based on location workspace
	shiiping county	CHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	derived from zipcode - Non editable
	billing same as ...	CHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	option will kick script to auto fill
	bill line 1	CHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	bill line 1 is of Customer
	bill line 2	CHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	bill line 2 is of Customer
	bill city	CHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	derived from zipcode - Non editable
	bill state	CHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	derived from zipcode - Non editable
	bill zip code	CHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	linking based on location workspace
▶	bill country	CHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	derived from zipcode - Non editable
	total orders to...	CHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	total orders to date is of Customer
	last order date	CHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	last order date is of Customer
	phone number	CHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	phone number is of Customer
	email	CHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	email is of Customer



# Workspace layout example



# MindMap





# Whiteboard

Just It.  
Makes Widgets  
Items for Sale  
Widgets A  
B  
C  
D (Composition of X+Y+Z) - Lego  
E (Composition of A+B+C) - Apple

- Outsourced

- Workspace
- Link
- Pick List
- Relationship

What Make IT  
Needed to Define our Items  
We Can Sell

Item his.  
Vendor List (Items Grid)

Item	Grid
Myco	Widgets/Widgets
Lego	

How to create Item

- Attach Doc Build it
- Description L facing
- Photo R facing
- Link

How to WS-Rev (BOM)

With RI-L + With RI-R

Item Change Revisor  
Track each Item if  
Change is made

WS-Rev

Item Name =  
With-RI

Sell IT

Order form

Item	Grid
Cost	Partnership

Customer form

Item	Grid
Custom	Orders

Sales Statistics

Item	Grid
Month	Orders

Sales forecasting

Item	Grid
Month	Items

Ship it

Packing form

Item	Grid
Order	Shipper
	Cost

Shippers list+Cost

Item	Grid
Shipper	Cost per Item/Distance

Pre paid = Value know

Grid

Size	Distance	Value	Total
50	100		
60			
70			
80			

Price IT

Price = Cost + Profit  
(based on Cost per Item)

Item Price List

Item	Grid
How to	Pricing Info



# Q&A

