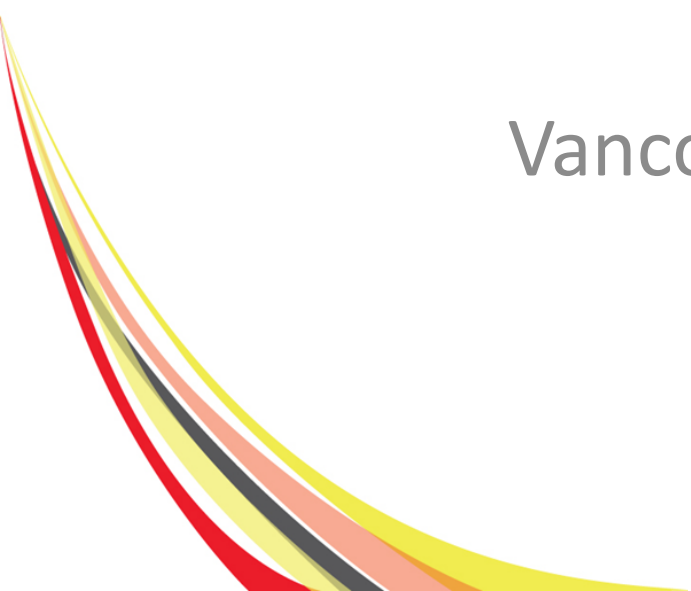# OFBiz Configuration Only (Or Look No Code!)

Sharan Foga

Vancouver: 13th May 2016

Agenda

- Introduction

  - Who Am I?

  - What is OFBiz?

- Functional Configuration

  - What is it?

  - Configuration Levels

- Configuration Examples

- Summary

- Questions / Comments
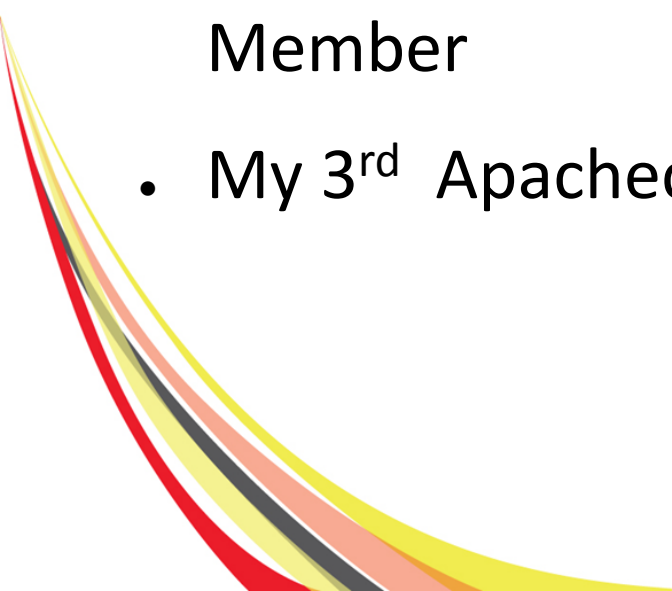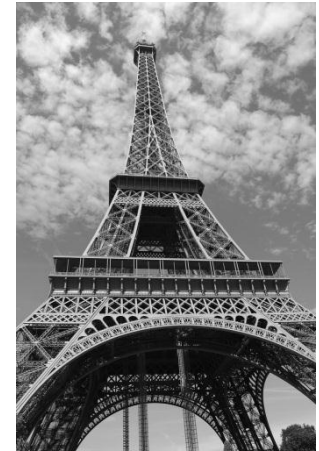
INTRODUCTION

Who am I?

What is Apache OFBiz?

Who am I?

- Project Manager / ERP Consultant / Author

- Enjoy travelling

- Involved with OFBiz since 2008

- Committer, PMC & ASF Member

- My 3rd Apachecon

What is Apache OFBiz?

- OFBiz

  – "Open For Business" (OFBiz)

- Definitions

  – It's a framework to build business applications

  – It's an Open Source ERP and E-Commerce application
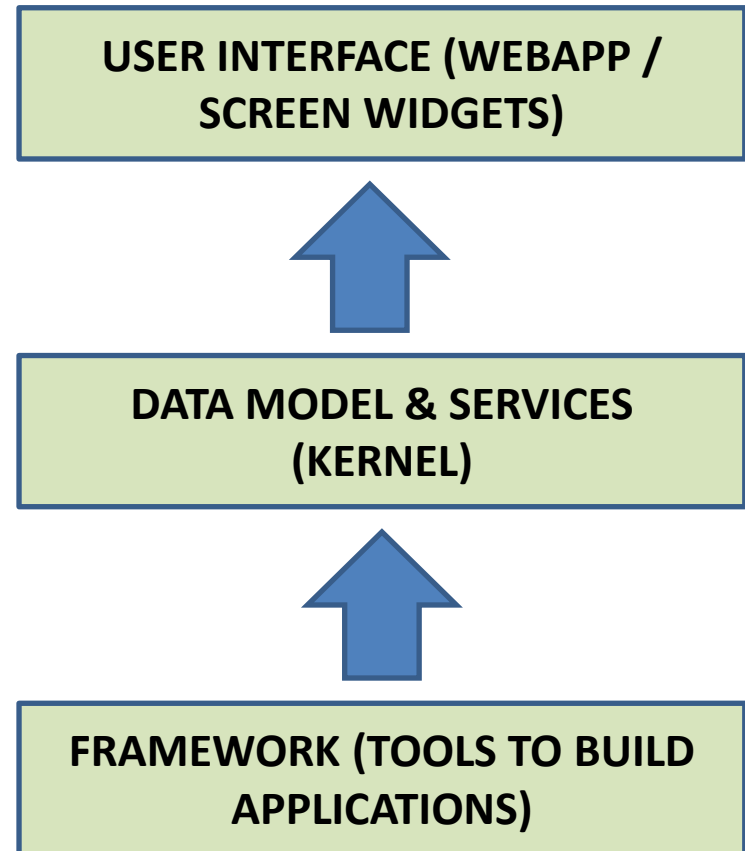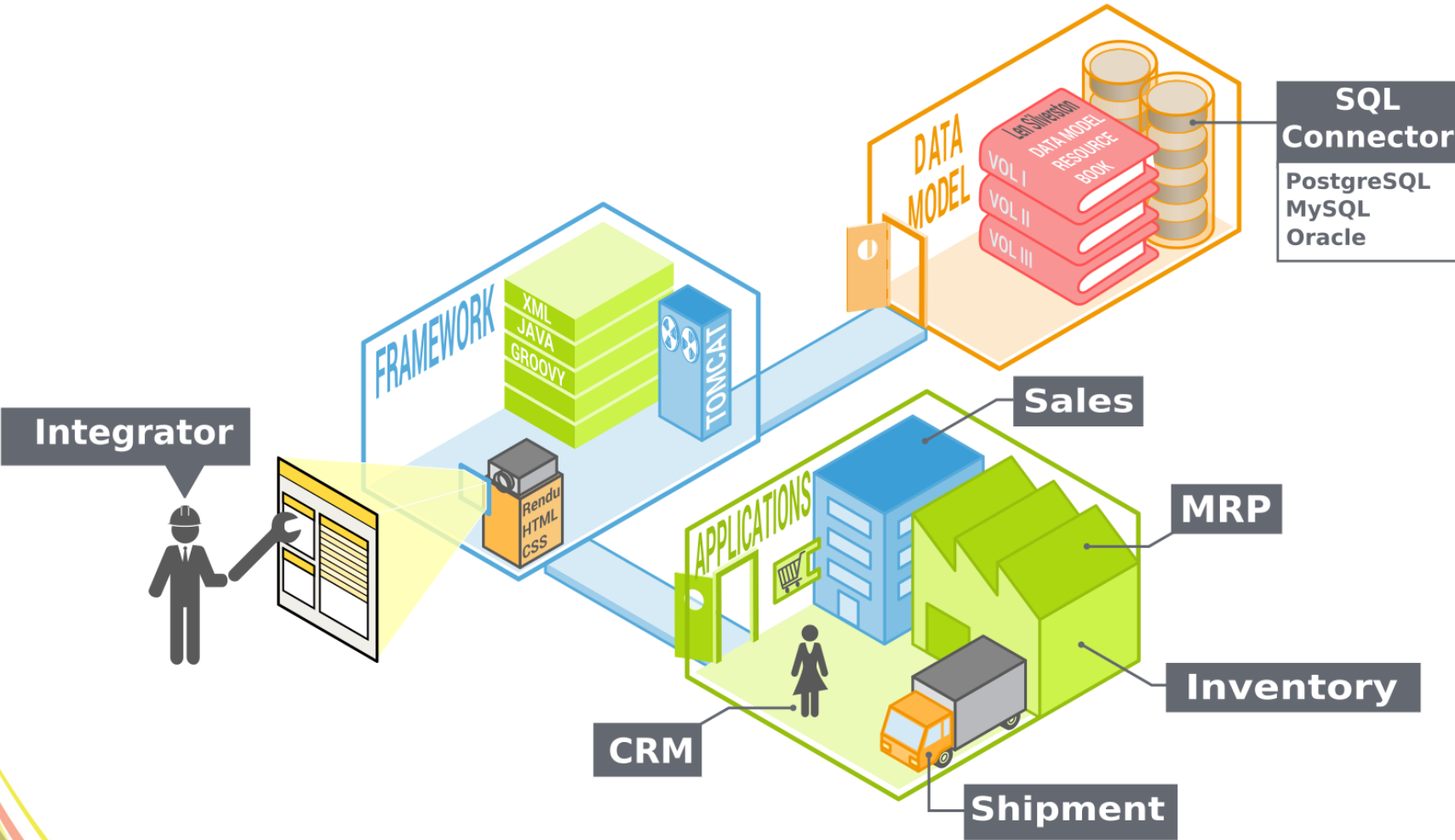
OFBiz – Technical Overview

- ## Structure

  - Data Model

  - Services

  - Applications

- ## Technical Base

  - Java, Javascript

  - XML, Tomcat, Derby

  - Groovy, Freemarker

USER INTERFACE (WEBAPP / SCREEN WIDGETS)

DATA MODEL & SERVICES (KERNEL)

FRAMEWORK (TOOLS TO BUILD APPLICATIONS)

OFBiz Business Overview
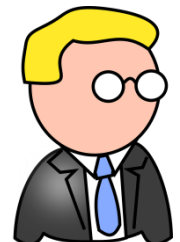
- Developers

  – Technical

  – Used to tools

  – Understand structure and flow of OFBiz

- End Users

  – Business Focus

  – Processes

  – Non-Developers

  – Installing can be a major achievement
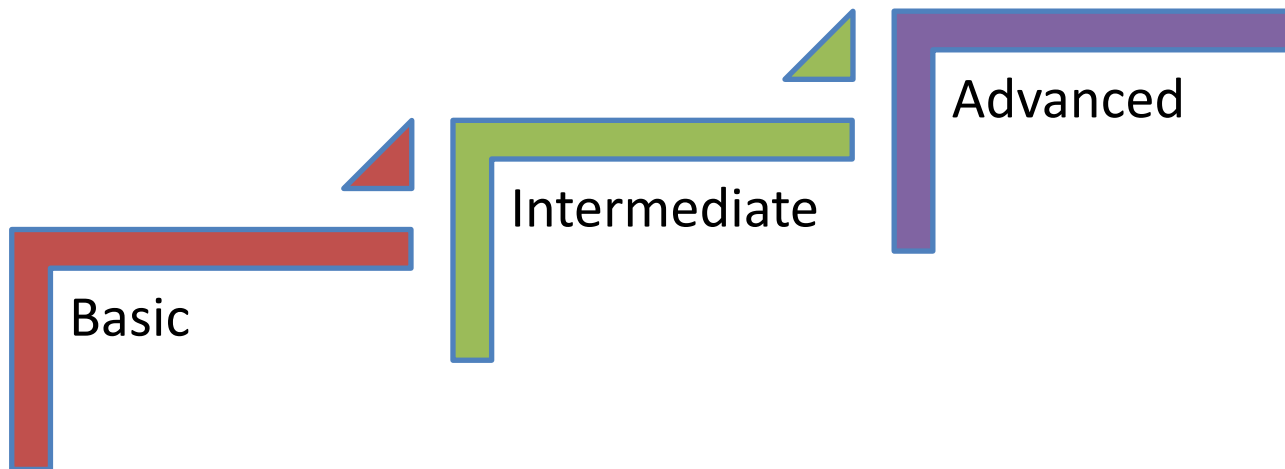
FUNCTIONAL CONFIGURATION

What is it?

What are the levels?

- ## What is it?

  - Tailoring a system using configurable parameters

- ## Benefits

  - Builds user engagement and system knowledge

  - Upgradeability

Advanced

Intermediate

Basic

Basic - Look and Feel

- **User Preferences**
    - Language Settings
    - Themes
    - User Profile

- **System View**
    - Menu Structure
    - Roles

Basic - Themes

Basic - Languages

- # User View
  - ## MyPortal
  - ## Tailor your view

Basic – Application View

- ## Application Screens

  - ### Screen Labels

  - ### Error Messages

Row n.	Key	File Name	References	العربية	čeština	Dansk	Deutsch	English	English (United Kingdom)	español	français
1	EcommerceAboutUs	EcommerceUiLabels.xml	References					About Us			A propos
2	EcommerceAccountInformation	EcommerceUiLabels.xml	References			Konto information		Account Information			Information sur le compte
3	EcommerceAccountLogin	EcommerceUiLabels.xml	References			Deres konto login er:	Ihre Benutzeranmeldung ist:	Your account login is:		Usuario	Votre identifiant est :
4	EcommerceActive	EcommerceUiLabels.xml	References		Vâš E-mail	Aktiv	Aktiv	Active		Activo	Actif
5	EcommerceAddChildListsToCart	EcommerceUiLabels.xml	References		Přidejte tento seznam a další seznam(-y) do košíku	Læg denne liste samt underliste(r) i indkøbskurven	Fügen Sie diese Liste mit Unterliste(n) zum Warenkorb hinzu	Add This List And Child List(s) To Cart	Add This List And Child List(s) To basket	Añadir listas hijas al carro	Ajouter la liste et sous liste(s) au panier

Search Results

Intermediate – Application Security

- ## Security and Application Access
  - Security Groups
  - User IDs

Data

- Manual Entry

- WebTools XML Import/Export

- Seed & Demo Data

Skill Type Id	Description
9000	Java/Groovy/BSH
9001	Mini Language
9002	HTML/FTL
9003	Javascript/Dojo
9004	Screens/Forms
9005	OFBiz Installation
_NA_	Not Applicable

Submit

```
▸ 🗀 ofbiz-trunk
  ▸ 🗁 .svn
  ▾ 🗁 applications
    ▾ 🗁 accounting
      ▸ 🗁 build
      ▸ 🗁 config
      ▾ 🗁 data
        ▸ 🗁 helpdata
        🗶 AccountingHelpData.xml
        🗶 AccountingPortletData.xml
        🗶 AccountingScheduledServiceData.xml
        🗶 AccountingSecurityGroupDemoData.xml
        🗶 AccountingSecurityPermissionSeedData.xml
        🗶 AccountingTypeData.xml
        🗶 DemoAccountingUserData.xml
        🗶 DemoAcctgTransactionData.xml
        🗶 DemoAssetMaintData.xml
        🗶 DemoBudgetData.xml
        🗶 DemoFinAccountData.xml
        🗶 DemoGeneralChartOfAccounts.xml
        🗶 DemoGlSetupData.xml
        🗶 DemoOrganizationData.xml
        🗶 DemoPaymentsInvoices.xml
        🗶 DemoTaxAuthority.xml
        🗶 PaymentGatewayConfData.xml
        🗶 UsTaxAccountGroups.xml
      ▸ 🗁 documents
      ▸ 🗁 entitydef
```

Intermediate – Application Data Mapping

- ## Data Mapping

  - Data means something by mapping it

Rate Description	Period Type Id	Party ID ⬍	Work Effort Id ⬍	Empl Position Type Id ⬍	Rate Amount
Average Pay Rate	Rate amount per month			Programmer	$2,000.00
Average Pay Rate	Rate amount per month	Employee Demo			$2,300.00

- ## Setting Parameters

  - Control flow and actions

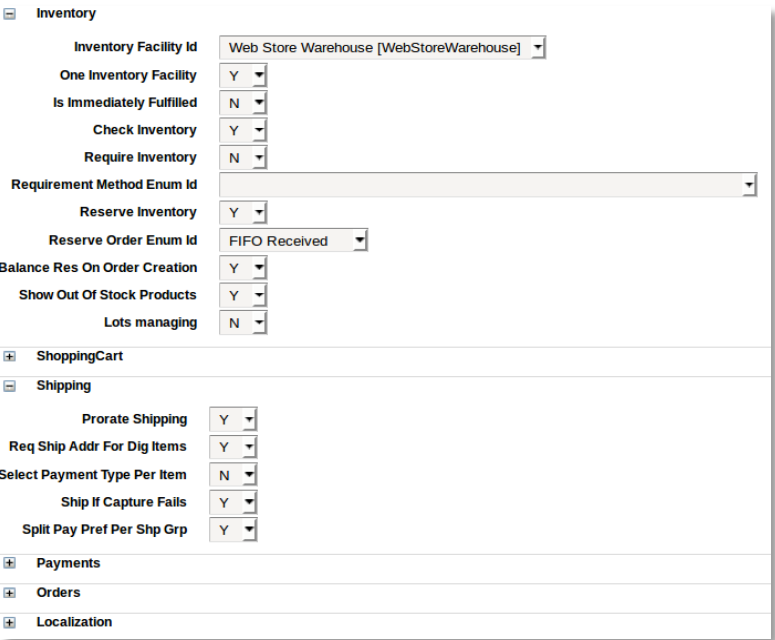**⊟ Inventory**

Inventory Facility Id	Web Store Warehouse [WebStoreWarehouse] ▾
One Inventory Facility	Y ▾
Is Immediately Fulfilled	N ▾
Check Inventory	Y ▾
Require Inventory	N ▾
Requirement Method Enum Id	▾
Reserve Inventory	Y ▾
Reserve Order Enum Id	FIFO Received ▾
Balance Res On Order Creation	Y ▾
Show Out Of Stock Products	Y ▾
Lots managing	N ▾

⊞ ShoppingCart

⊟ Shipping

Prorate Shipping	Y ▾
Req Ship Addr For Dig Items	Y ▾
Select Payment Type Per Item	N ▾
Ship If Capture Fails	Y ▾
Split Pay Pref Per Shp Grp	Y ▾

⊞ Payments

⊞ Orders

⊞ Localization

Products

- Finished Good
  - Mobile Phone
- Digital Goods
  - Ebook, Subscription, Gift Card
- Service
  - Consulting, Support, Maintenance
- Virtual & Variant Products
  - Clothing
- Configurable
  - Laptop

Advanced – External Integration

- ## Pricing and Payments
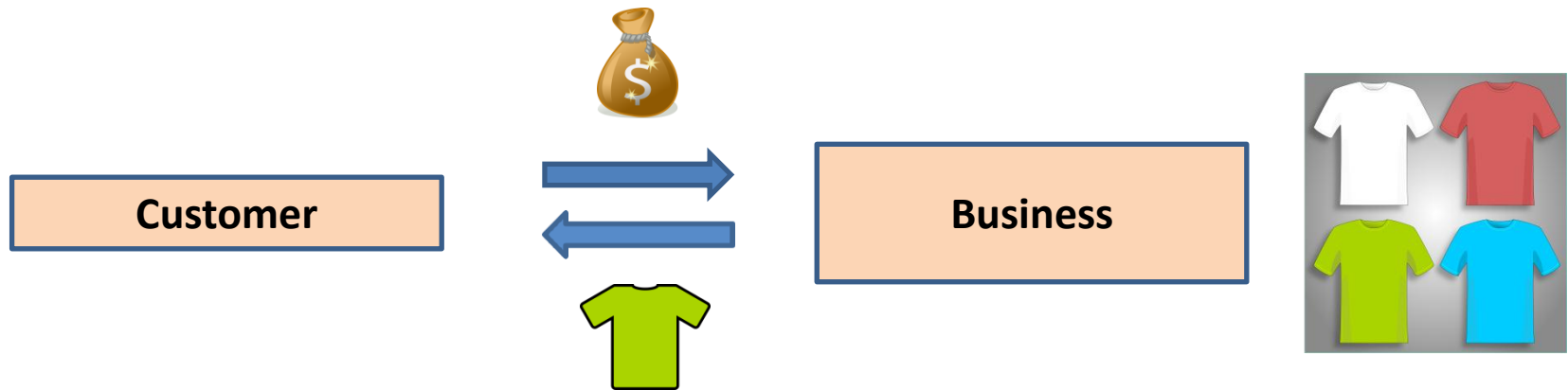
  – Discount Rules

  – Payment Methods

- ## Integrations

  – Google Base / Checkout
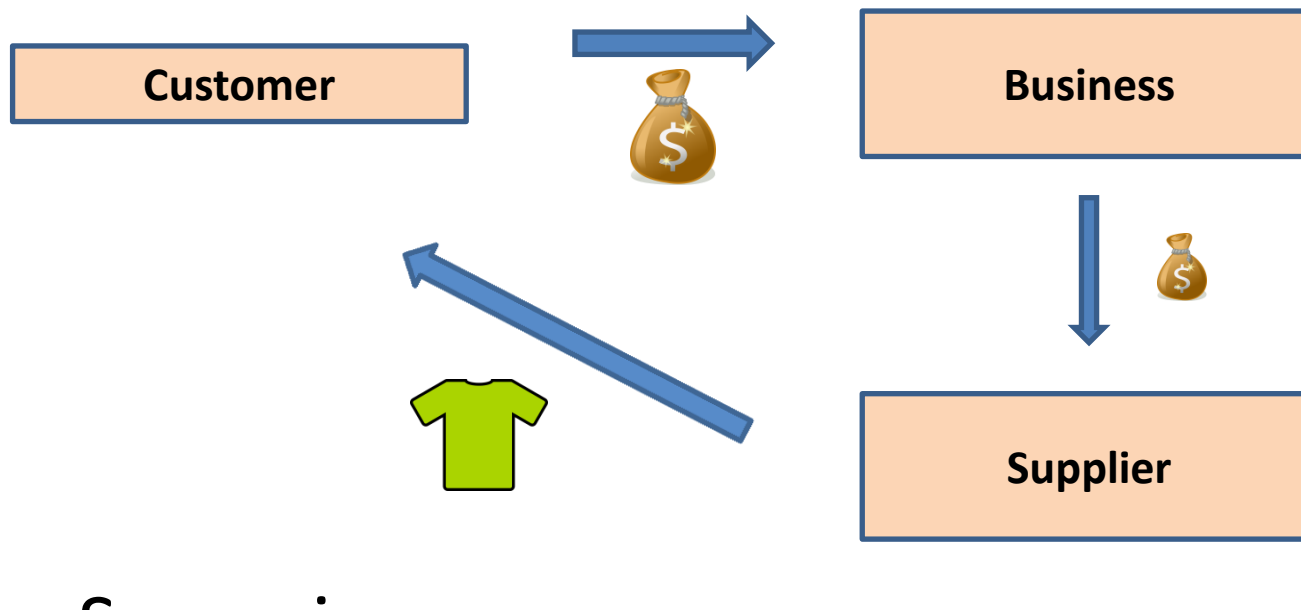
  – eBay

  – Payment Gateways

  – Shipping

Customer → **Business**

Scenario

- Selling T-Shirts

- You manage the stock and delivery to customer

Example - Drop Shipment Flow

Customer

Business

Supplier

Scenario

- Selling T-Shirts
- Your supplier manages stock and delivery
- You pay the supplier

Customer

Business

Sewing Department
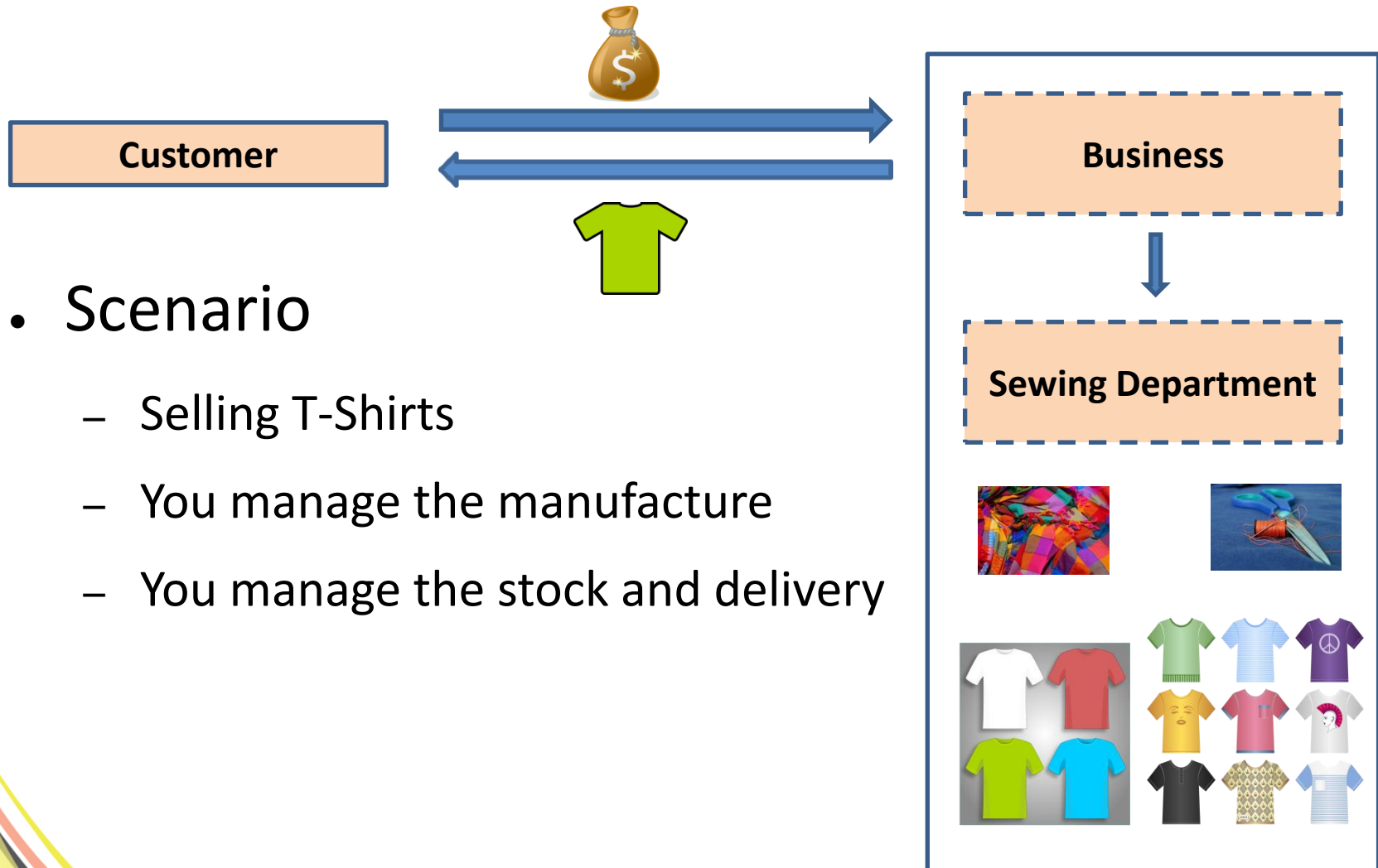
Scenario

- Selling T-Shirts

- You manage the manufacture

- You manage the stock and delivery

Advanced – Creative Flexibility

- Creative Thinking

  - Mapping a business process or flow to OFBiz

  - Understanding the tools available

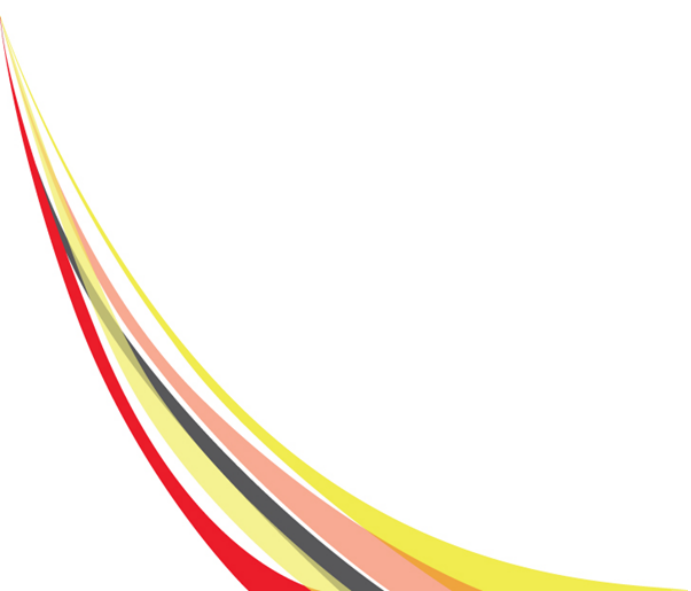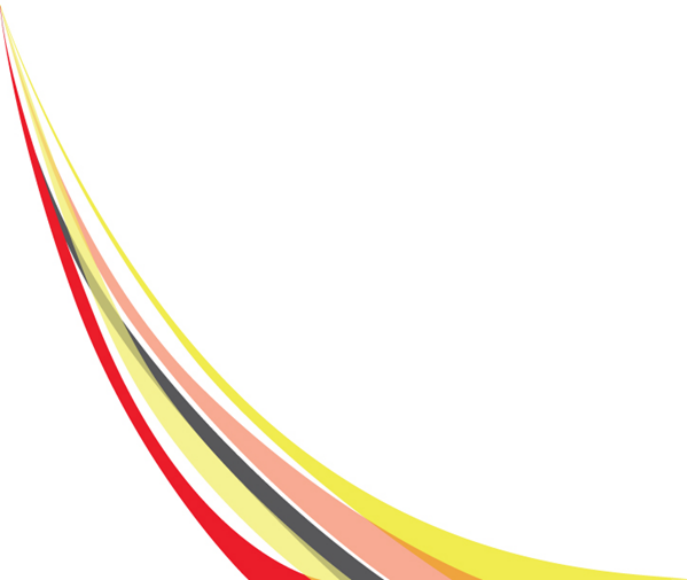 - Thinking about different ways to achieve what you want
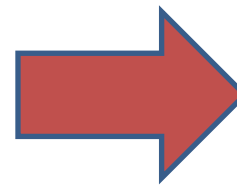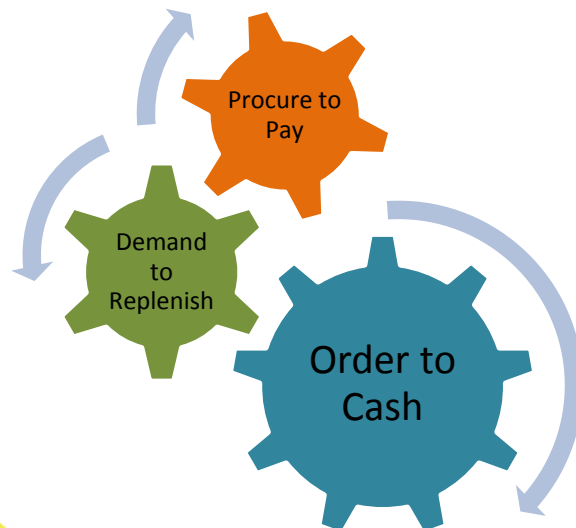
CONFIGURATION EXAMPLES

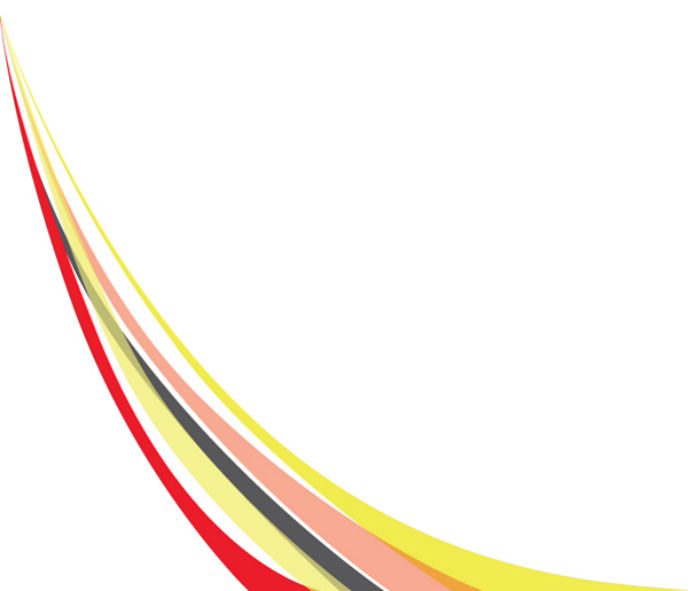Basic

Intermediate

Advanced

SUMMARY

- OFBiz
  - Definition, Users

- Configuration
  - Benefits, Levels, Examples

- Conclusion
  - OFBiz is a tool
  - Can use configuration or development
  - Understanding what you can do
  - Look for creative solutions

THANK YOU FOR LISTENING

Questions?

Comments?

Referenced Images

- Pixabay.com

- OFBiz Business Overview:

  - From the Noun Project : Client created by Chris Dawson, Roue de camion created by Luis Prado, Cle de Molette created by Andy Fuchs, Worker created by Mundo, Book created by Dmitry Baranovskiy, Jarticule.com Cylindre SQL