
IBM Sterling Store V9.4

A wide, horizontal image showing a view of Earth from space. The image captures the curvature of the planet, with a mix of white clouds, light blue oceans, and darker blue landmasses. The text "By : Venita Glasfurd" is overlaid on the left side of this image.

By : Venita Glasfurd

Agenda

Overview of IBM Sterling Store

Features of IBM Sterling Store

Architecture

Demo

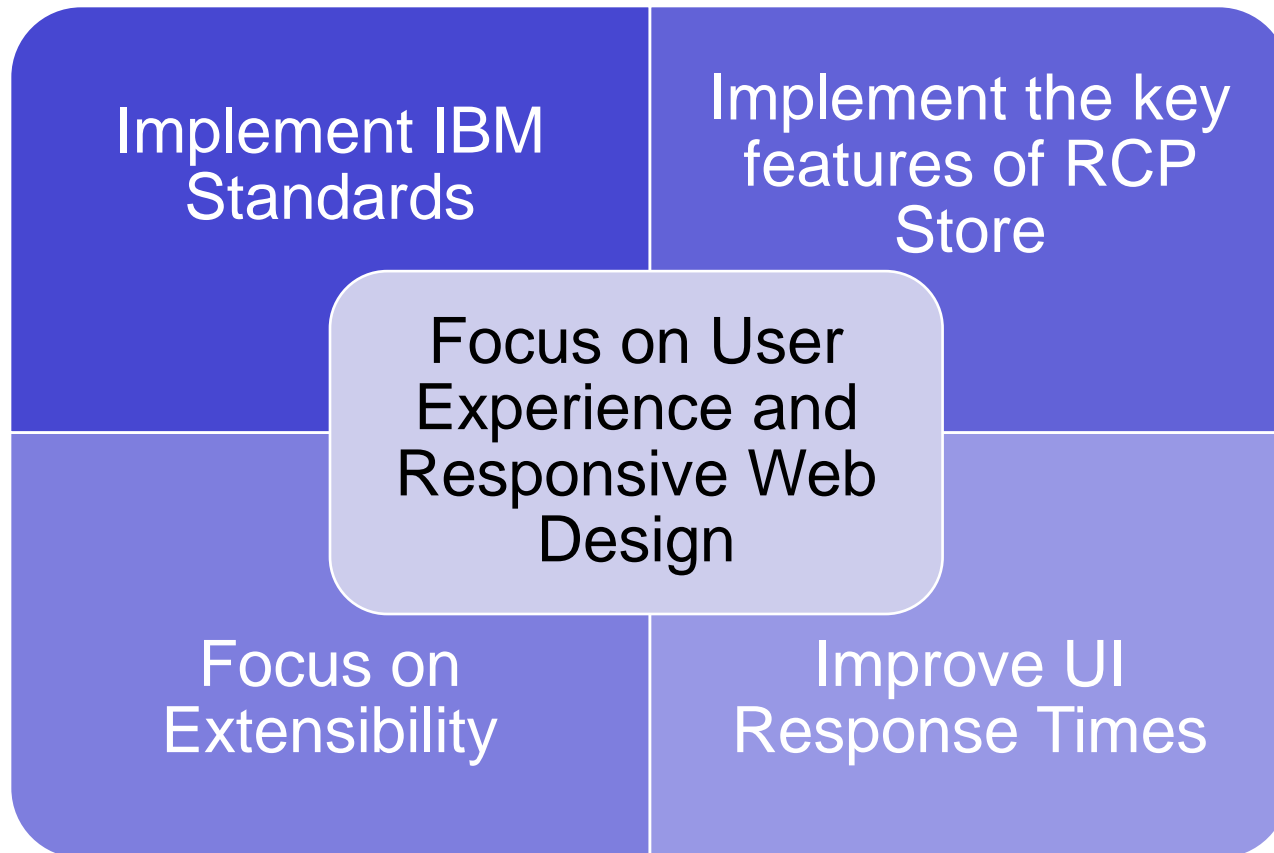
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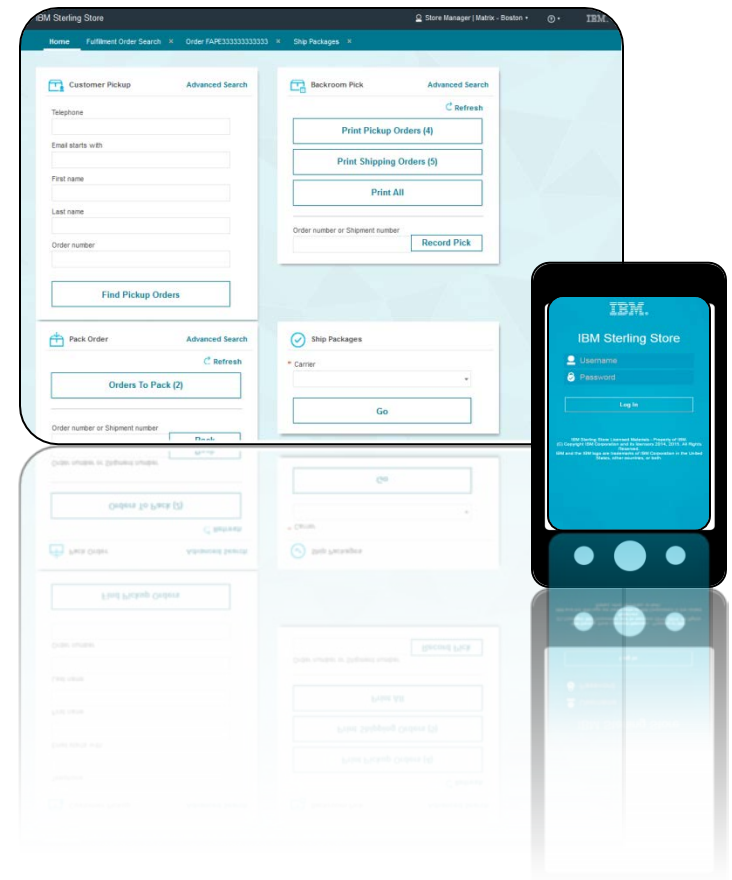
Demo

Goals of IBM Sterling Store



Features

- In-Store Picking for Ship Out or Pickup
- Stage Orders for Customer Pickup
- Confirm Customer Pickup
- Pack Shipments
- Confirm Carrier Pickup
- View Product Details
- Fully Extensible User Interface
- Responsive UI for desktop and mobile



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Buy Online Pickup in Store Journey

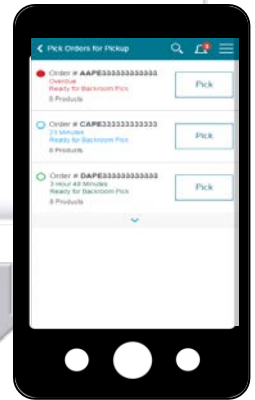
Customer places order online for pickup at store



Order is sent to Store by Sterling Order Management



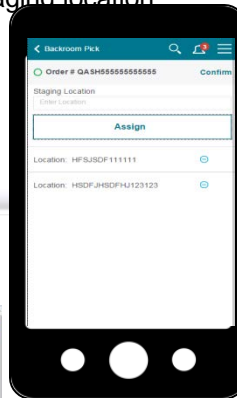
Store associate prints the order pick list



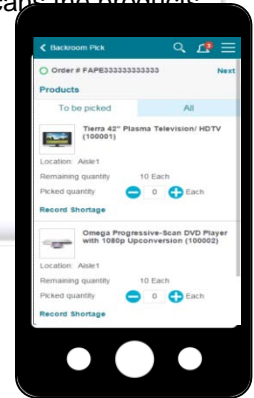
Customer Walks into Store



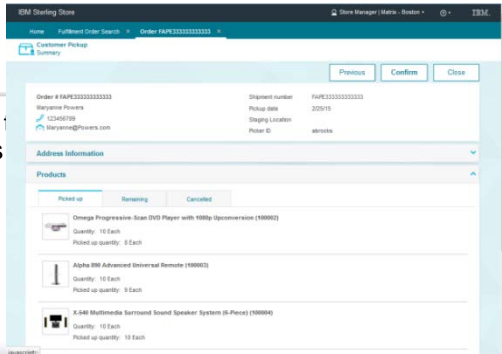
Store associate places the products in staging location



Store associate scans the products to be picked



Store Associate Records Customer Pick and Prints Acknowledgement



Buy Online Ship from Store Journey

Customer places order to be shipped



Order is sent to Store by Sterling Order Management



Store associate prints the order pick list



Store associate packs the products, weighs package, prints and packing Slip.



Store associate places the products at packing station



Store associate scans the products to be picked

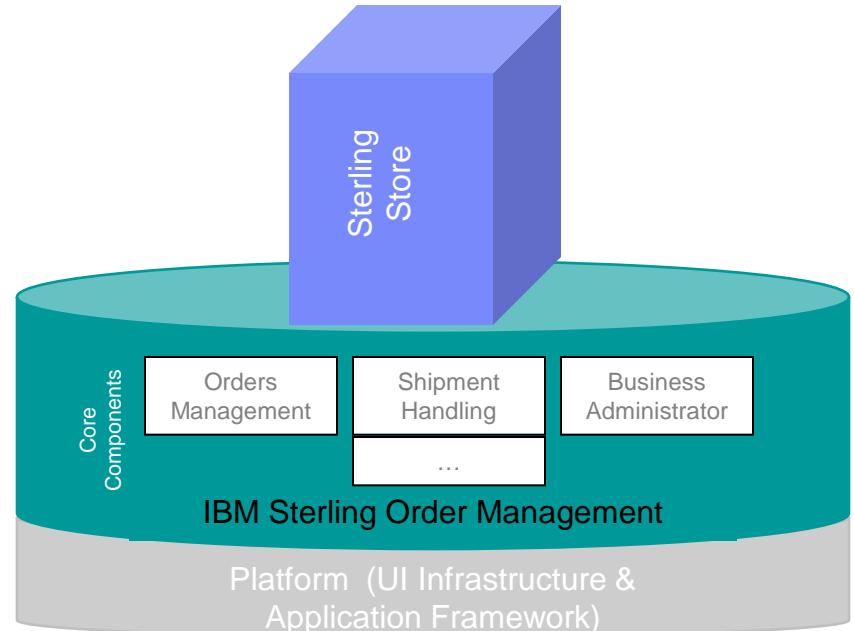


Store associate records carrier pickup

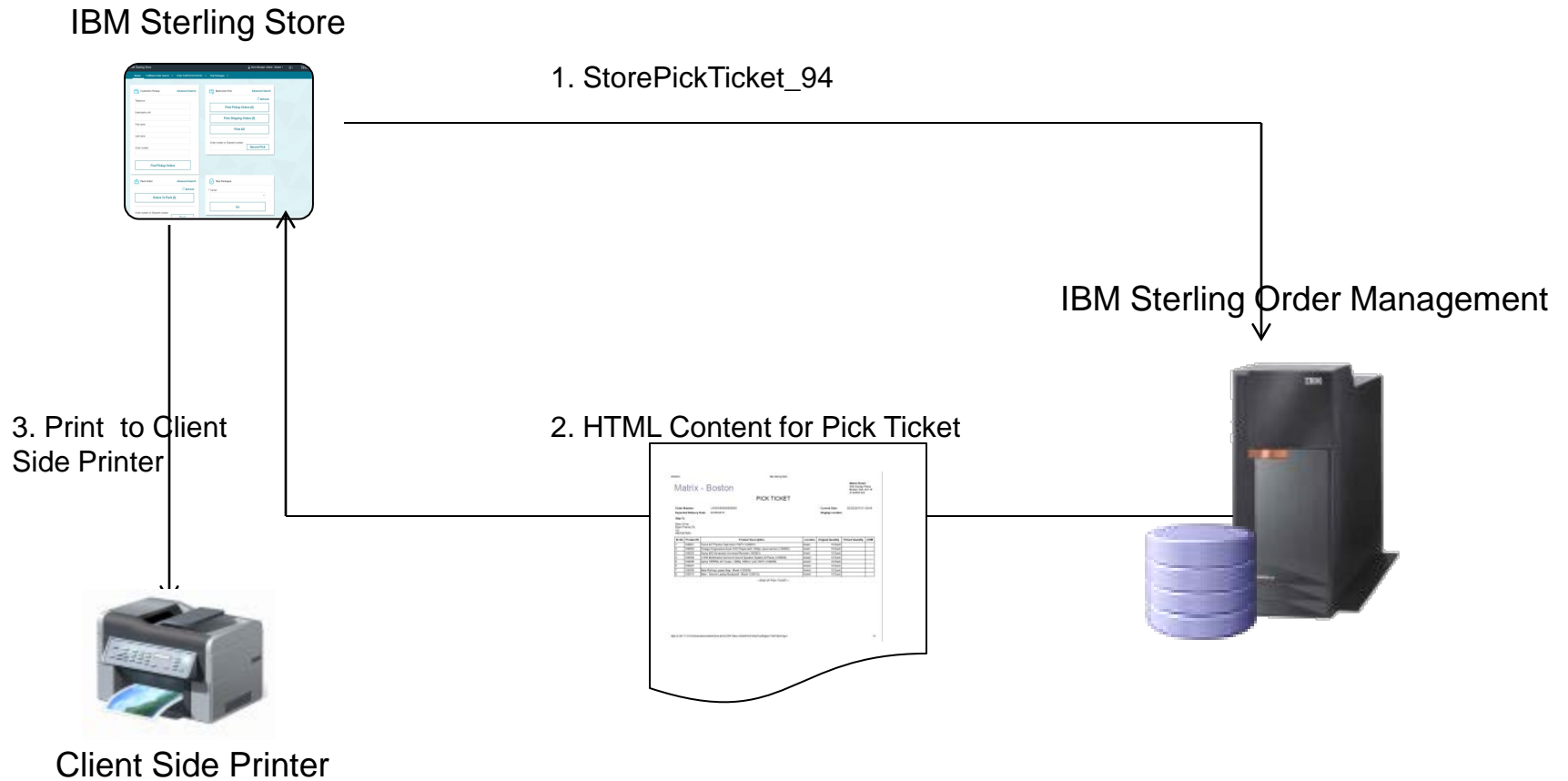
Product Overview

IBM Sterling Store is built on top of IBM Sterling Order Management

IBM Sterling Order Management contains the core business logic which is accessed by IBM Sterling Store Application using APIs.

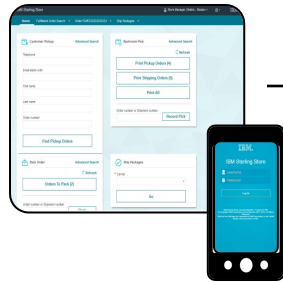


Functional Flow – Pick Ticket Printing



Functional Flow – Backroom Picking

IBM Sterling Store



1. registerBarCodeForBackroomPick

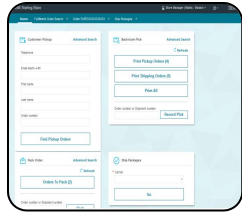
2. changeShipmentStatus/changeShipment



IBM Sterling Order Management

Business Logic – Customer Pickup

IBM Sterling Store



1. registerBarcodeForCustomerPick

2. recordCustomerPick

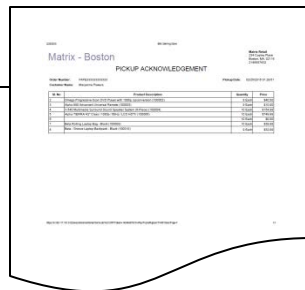
3. YCD_Print_CustomerPickupAcknowledgement_94

4. HTML Content for Pickup Adknowledgement

5. Print to Client Side Printer



Client Side Printer

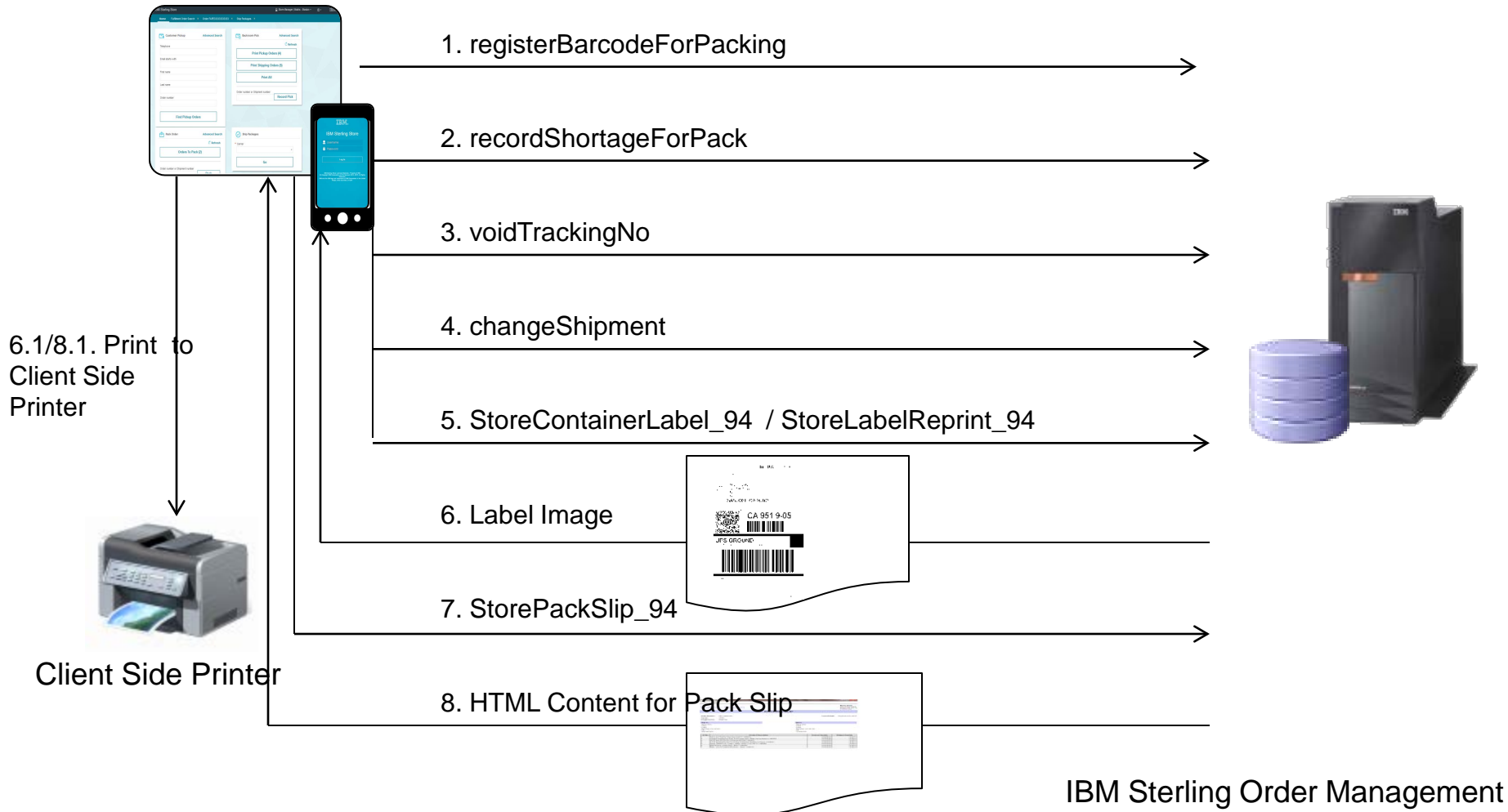


IBM Sterling Order Management



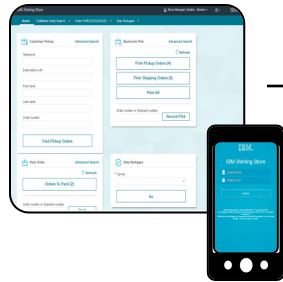
Functional Flow – Packing

IBM Sterling Store



Functional Flow – Confirm Shipments

IBM Sterling Store



1. `addAllContainersToManifest`

2. `closeManifest`

3. `confirmShipment`



IBM Sterling Order Management

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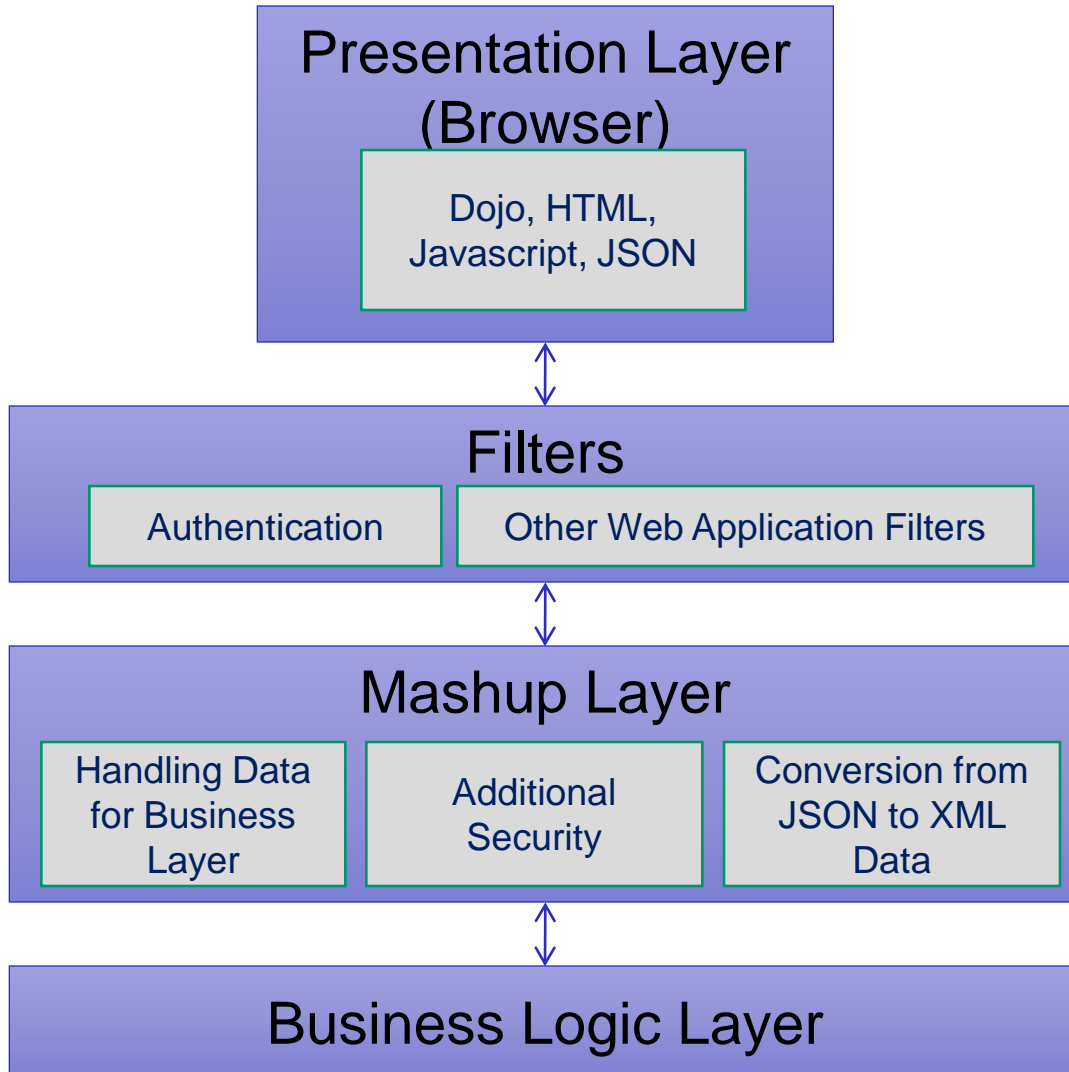
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Architecture Layers

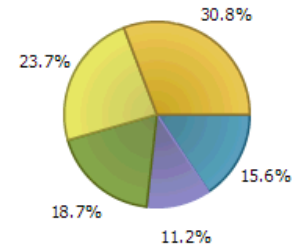
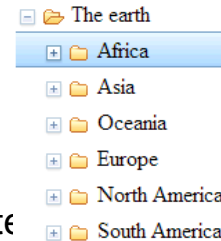


- **Presentation Layer**
 - Dojo/JS/HTML/XML/JSON
 - Runs in a IE, Firefox, Chrome, or Safari
- **Filters**
 - Authentication
 - Other Application Filters
- **Mashup Layer**
 - Authorization
 - Handling data between presentation and business logic layers
 - Conversion from JSON to XML Data
 - Additional security
- **Business Logic Layer**
 - Application specific Business Logic through exposed APIs

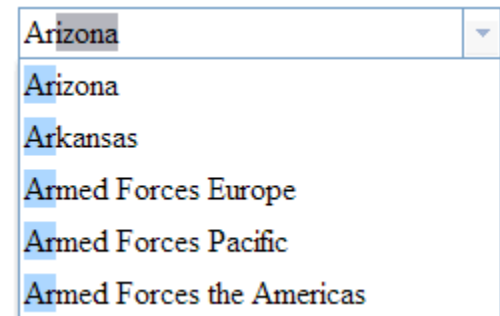
Web 2.0 Presentation Layer

Dojo

- Cross-browser Javascript library
- Easily build sophisticated user interfaces with advanced UI inte
 - Auto Text Complete
 - Asynchronous and Synchronous server calls (Ajax)
 - Drag/drop
 - Rich widgets like currency editor, calendar selection, tree, many more.
- High-performance
- Customizable
- IBM's future for all web-based applications
- Other libraries can co-exist
- Includes inherent globalization and accessibility features



Index	Date	Last Played (editable)	Year (editable)
1	1923/6/9	04:32 AM	2003
2	1947/12/6	03:47 AM	1993
3	6	December 3	PM 1992
4	S M T W T F S	AM	1992
5	10 1 2 3 4 5 6	PM	1968
6	7 8 9 10 11 12 13	AM	1989
7	14 15 16 17 18 19 20	AM	1991
8	21 22 23 24 25 26 27	AM	1977
9	28 29 30 31 1 2 3	PM	2004
10	4 5 6 7 8 9 10	PM	1991
11	1946 1947 1948	PM	1991



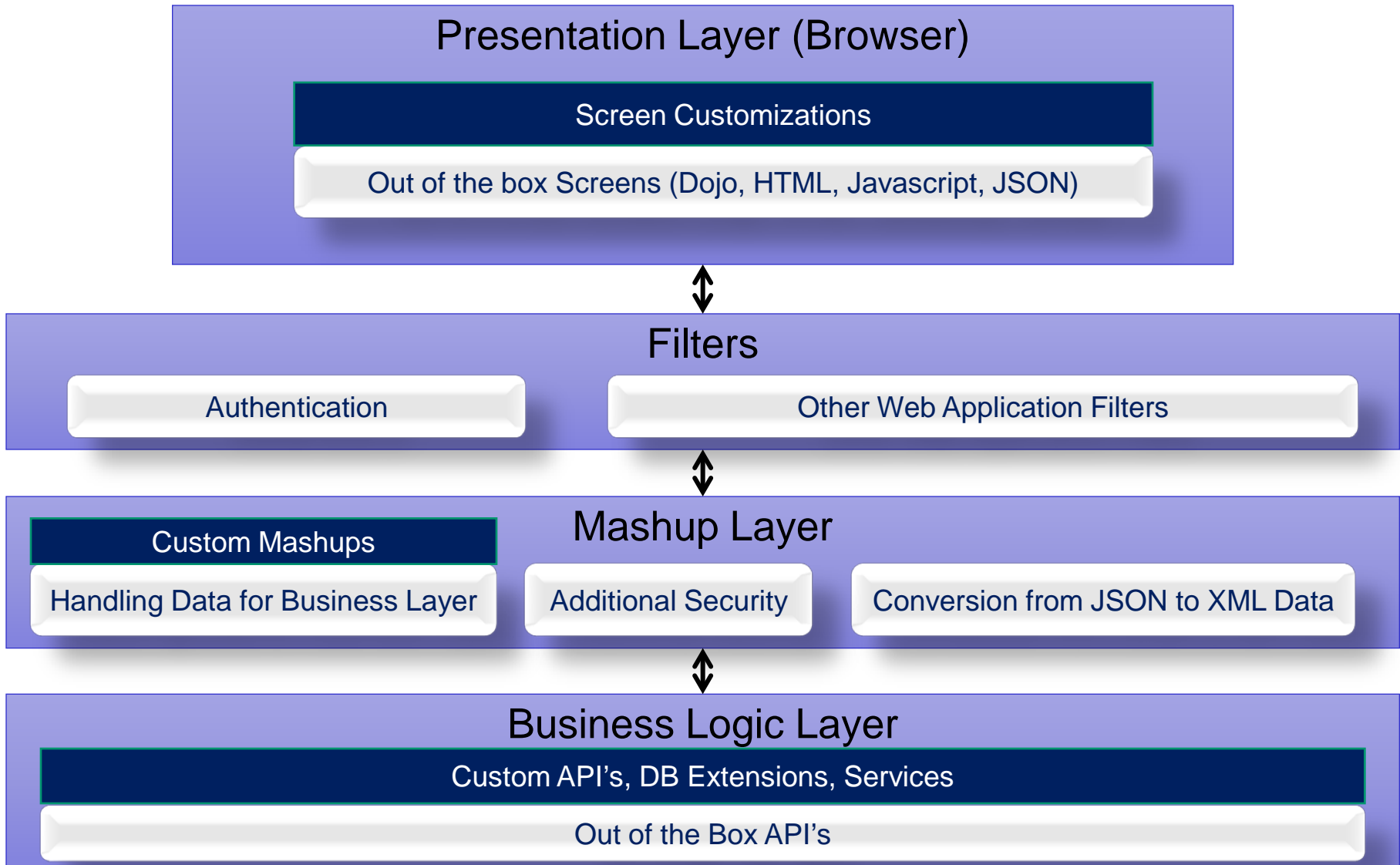
Server Side Technologies

- Based on standard frameworks to build Java web applications
 - Servlets
 - Web Application Filters
 - Designed so other technologies such as struts can be “plugged in.”
- Thin mashup layer between business logic and presentation layer
 - Encapsulates server logic
 - Provides additional security
 - Provides **end points** to direct certain calls to specific servers
 - Conversion of XML data to JSON objects that are used client side
- Out of the box, ALL business logic achieved through IBM Sterling standard APIs.

Fully Extensible User Interface

- Major focus on allowing customers to extend the UI
- Simple extension environment setup
- Reduced proprietary knowledge required to extend
- Two modes of extensibility:
 - **Full**
 - Incorporate new custom screens
 - Copy and/or replace out of the box screens
 - Open out of the box screens from custom screens
 - Etc.
 - **Differential**
 - Add components and logic to out of the box screens without copying the entire screen. Only differential extension is saved – **you only own the extensions.**
 - Makes upgrade easier as out of the box screen can be updated while leaving the customizations in place.

Architecture Extensibility



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