



Fully customized **Oracle-based web & mobile application** for a leading **fashion retailer** in the Middle East

Intelligently mirroring the Oracle fusion SCM module and providing custom capabilities like custom user management, barcode scanning, etc.





Challenges:

- Unable to handle a large quantity of goods
- The same ERP could not be used to maintain warehouses and retail stores
- No custom barcode scanning
- No separate access for employees in the ERP
- Inability to bring the data from Oracle Fusion to the custom database and send it back with REST services
- Basic user management (no multiple custom roles)

About the Customer

AlShiaka Fashion Retail is one of the leading fashion brands in the Kingdom of Saudi Arabia, providing world-class men's ready-to-wear since 1971. Their high-quality products meet varying tastes, ages and budgets, with options for dresses, shemaghs, cedars, and more. Currently, "Al-Shiaka" exhibitions are in more than 53 in 17 Saudi cities like Taif, Riyadh, Jeddah, Dammam, Mecca, Medina, etc.



The Need

- AlShiaka is a private retail store that sells fashion apparel by storing it in a warehouse and selling it through retail stores and online as well. So, supply chain management is a huge priority. Prior to the engagement, they used Oracle Fusion with the major modules and wanted to extend the supply chain and inventory management for web and mobile. However, using the Oracle Fusion system came with its set of challenges.
- So, they were unable to handle a large number of goods, maintain warehouses/retail stores with the same ERP, custom scan barcodes, count items accurately, and provide separate access for employees in the ERP. The customer also faced technical issues like the inability to bring the data from Oracle Fusion to the custom database and send it back with REST services and the lack of multiple custom roles in user management.



Solution:

- Web and mobile custom application - mirroring the Oracle Fusion SCM module for warehouse/retail store employees and supervisors/managers
- Functionalities like barcode scanning, and shipping label printing, and custom database creation to align with customized workflows
- Web app to store user details, module data, and approval workflows
- Mobile app hosted on a portable scanner device and connected to printing devices
- Module creation for PO, TO/SO, and counting
- Custom user access management

Results:

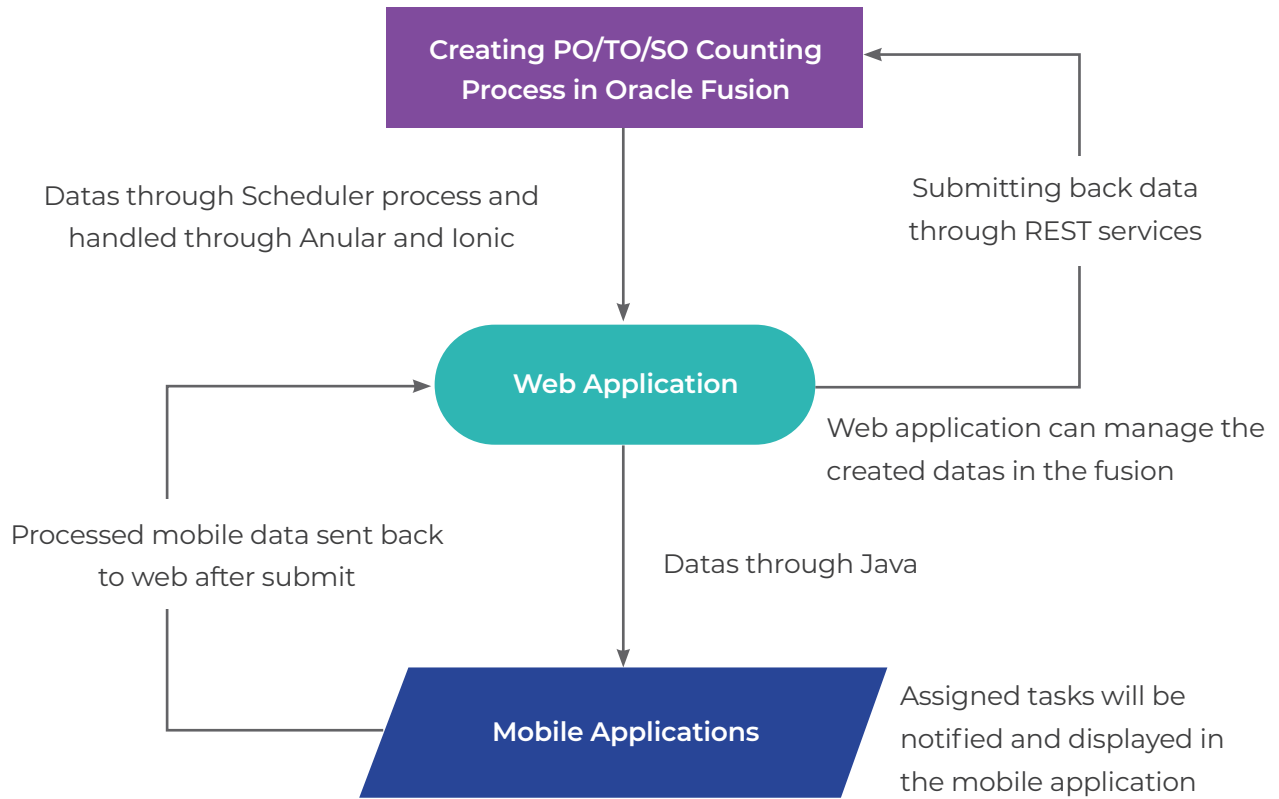
- More feature-rich and adaptable applications
- Flexibility of custom functionalities that meet the customer's unique business processes
- Increased employee productivity with Oracle Fusion being accessible through web/mobile
- Reduced time to complete business-critical activities

Aspire's Solution

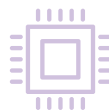
- Aspire Systems developed a custom application for web and mobile with functionalities that mirrored the Oracle Fusion SCM module. It included other custom capabilities like custom user management, barcode scanning, custom workflows, etc. The mobile app, hosted on a portable scanner device, could be used by warehouse and retail store employees. It could also connect with printing devices to print shipping labels wireless. The web app was meant for supervisors/managers, with user details, module data, and approval workflows.
- The creation of modules for PO, TO/SO, and counting was executed in the customer's Oracle Fusion application. After that, the data was brought through the scheduler services. Then, it was handled by JAVA for middleware, IONIC for the mobile app, and Angular for the web app. Finally, the data was sent back to Oracle Fusion with the Oracle REST services.
- Aspire also implemented custom user access management, with all the features available in Oracle Fusion for warehouses and retail stores.



Snapshot of Solution



Technology Highlights



- » **Overall:** Front-end HTML/CSS, Ionic/ Capacitor Framework Angular 12 & Java/Spring Hibernate
- » **Tools:** Oracle Fusion 22C Database Oracle Cloud, Oracle BI Publisher Data Source & Oracle PLSQL
- » **Platform:** Web (supported browsers) and Android (Honeywell device)
- » **Languages:** English & Arabic



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