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YOUR EVALUATIONS
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Next Generation EBS Visualization using Oracle Visual Builder Cloud Service

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About You

- DBA? Forms Developers? Java Developers? APEX Developers?
- Developing in mobile?
- Begun to think about mobile strategy?
- Know what a Microservice is?
- Using any Oracle cloud products?
- Doing a SOA or Integration project?

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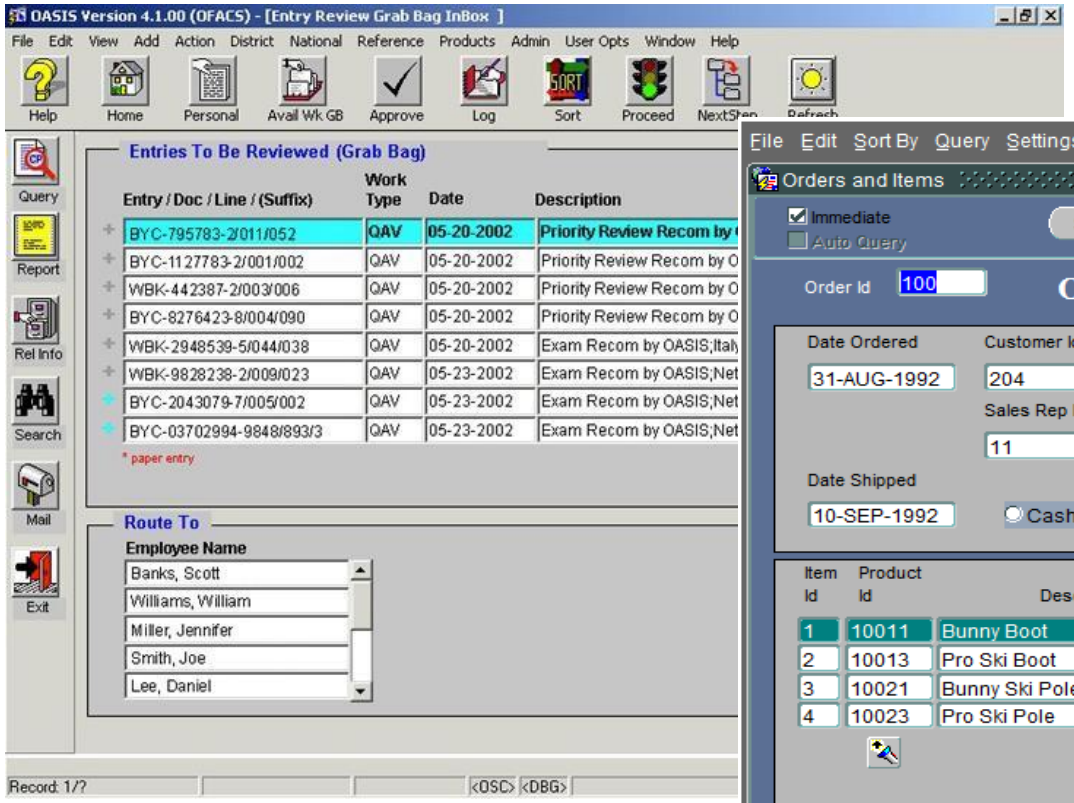
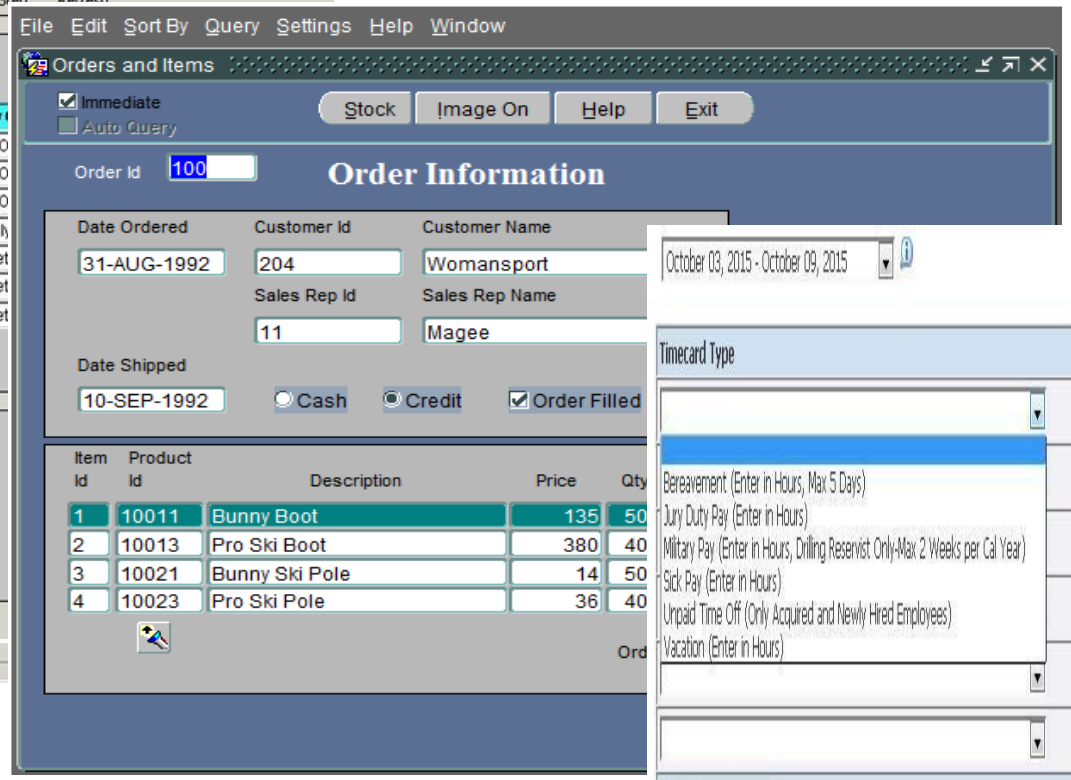
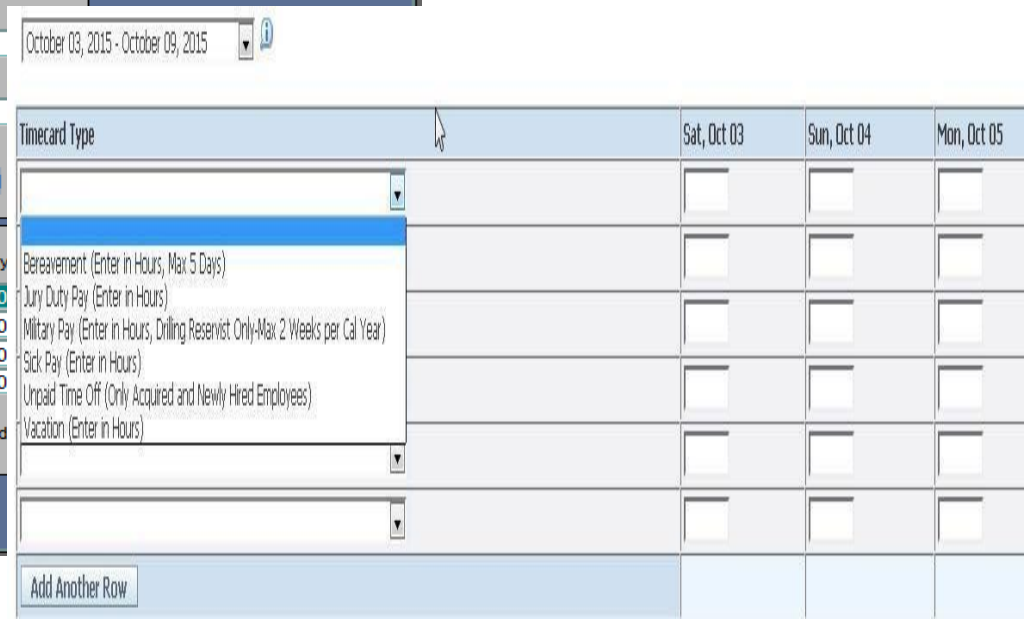
Oracle EBSis an institution



Client Server



Web based – Java front-end



Web based – HTML^{3}Front end - OAF

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"Our EBA application does what we need, but I just wish it looked more modern and could run on a phone / tablet…"

– A typical Forms app owner

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Typical Forms customer requirements

1. Improve the UI to provide a modernised user experience
2. Quick wins to achieve agility – run on mobile devices
3. Integrate processes using unified views of data between existing forms and other apps
4. Easily move to the cloud
5. Eventually replace with a more modern technology

- Applies to both bespoke Forms and EBS apps
- Short term - modernization *without* breaking the bank

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Today It is about Engaging User Experiences

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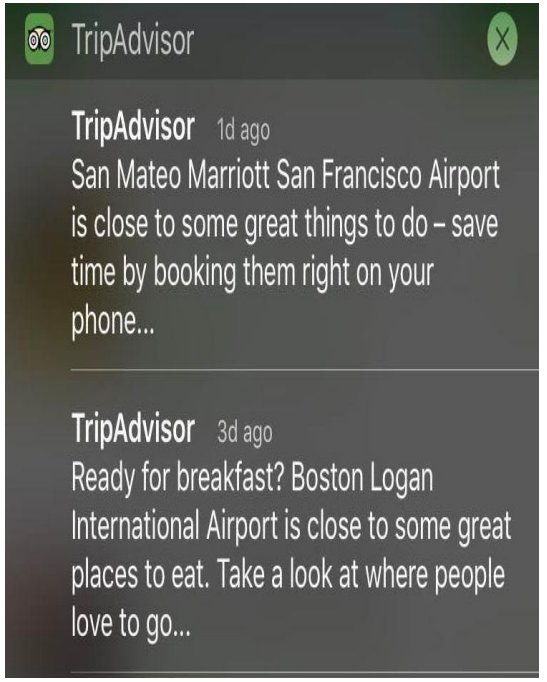
METRO
Taft Avenue

10:47 PM
VIRGIN MOBILE PRESENTS
LADY GAGA
THE MONSTER BALL TOUR 2011
FAST PASS TICKET
POWERED BY MOZES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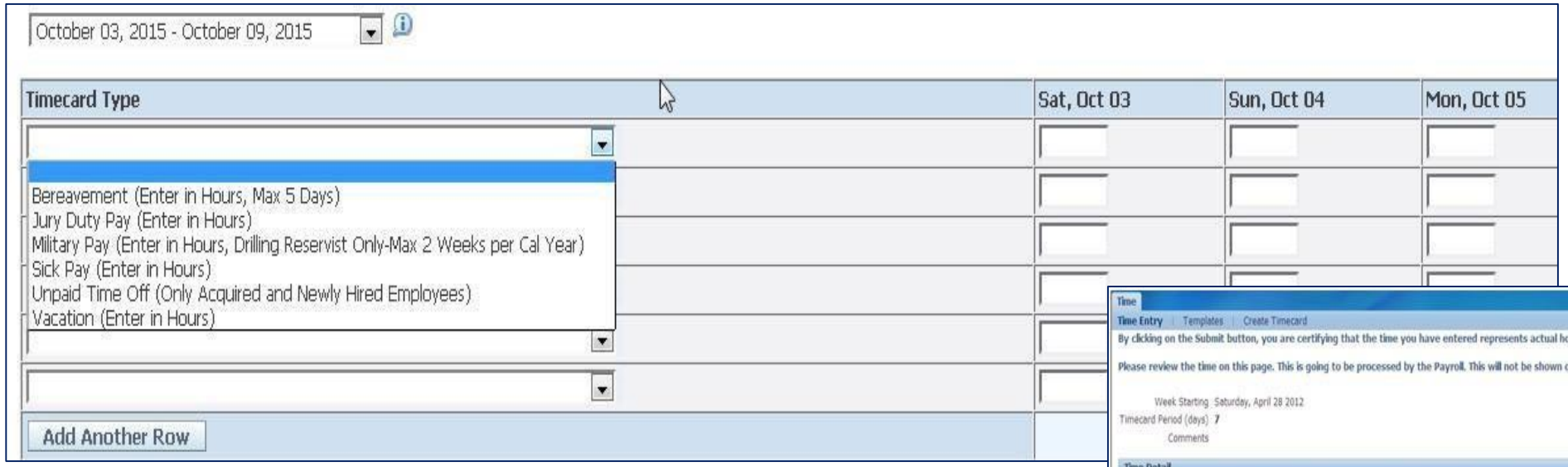
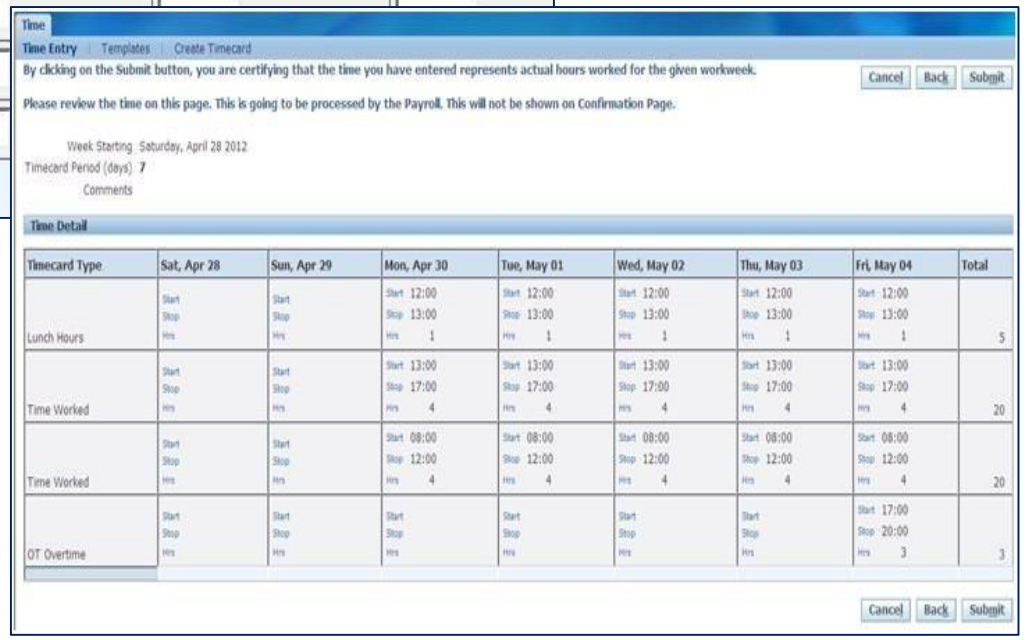
San Mateo Marriott San Francisco Airport is close to some great things to do – save time by booking them right on your phone...
TripAdvisor 3d ago
Ready for breakfast? Boston Logan International Airport is close to some great places to eat. Take a look at where people love to go...

Mobilizing Self Service Capabilities

From this …





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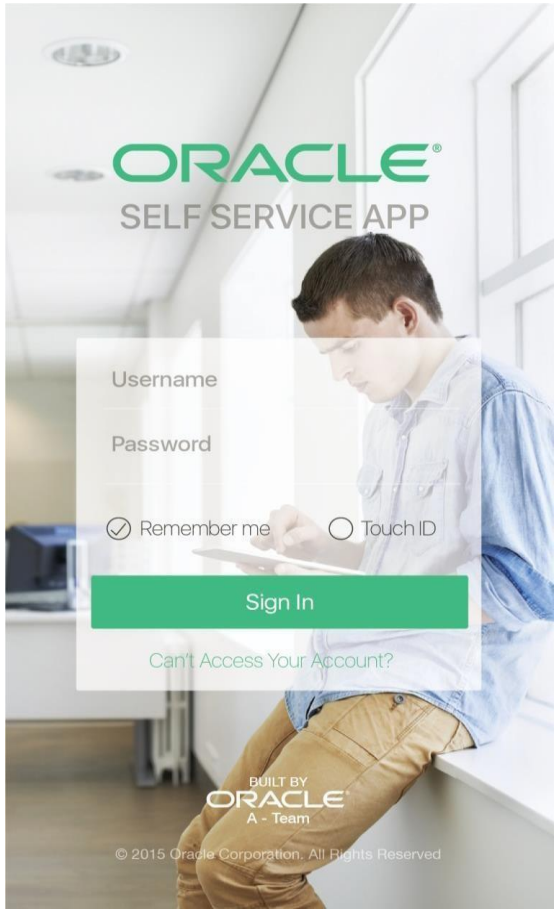
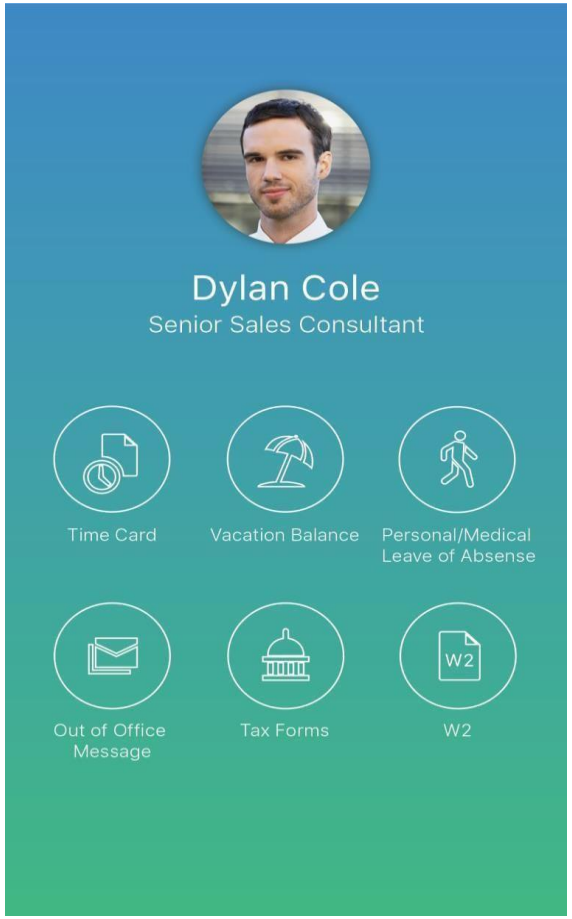
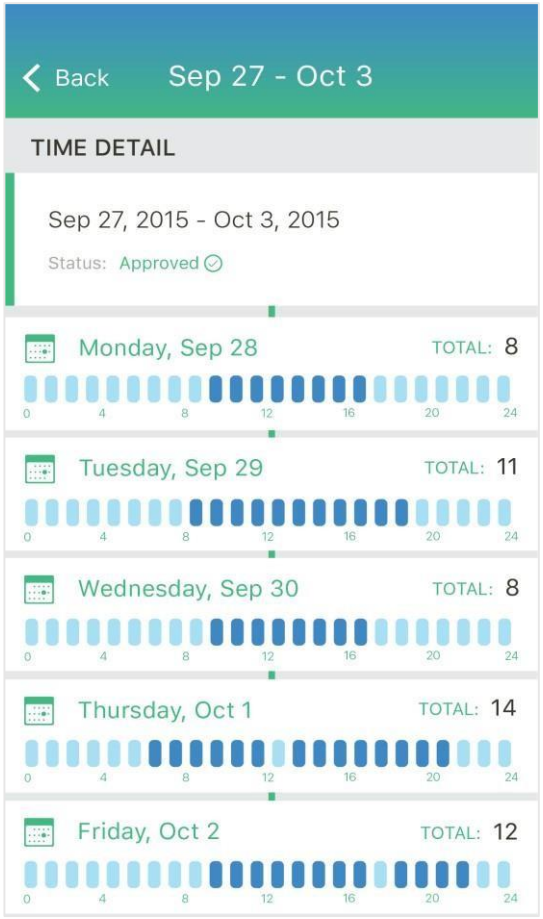
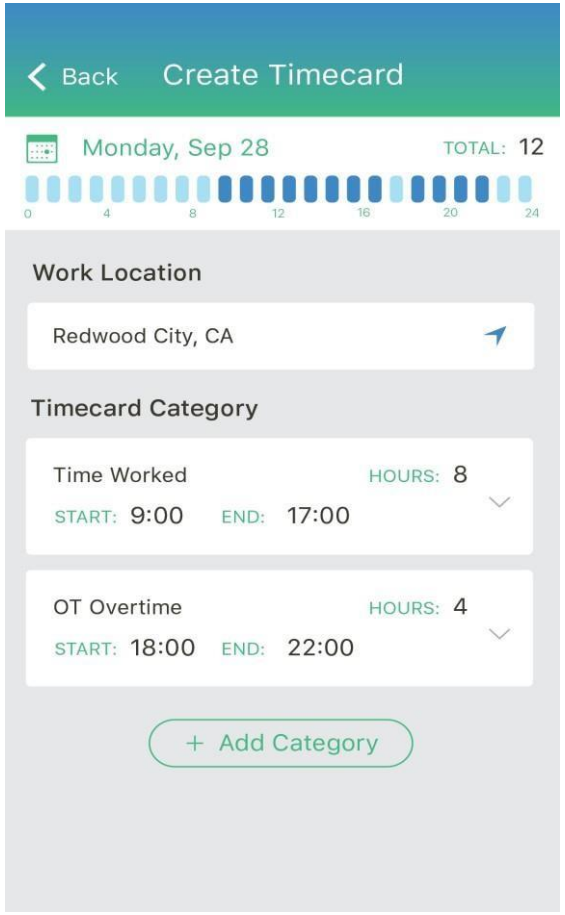
To This…









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Oracle Visual Builder Cloud Service

Build and host web and mobile applications in a faster and simpler way with zero install and visual development experience

The Visual Development Environment for Oracle JET.

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Visual Builder Cloud Service

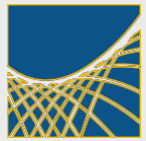
Key principles for Visual Builder

Cloud Based

Nothing to install, configure or maintain. Runs in the browser. Apps accessible from any device.

Easy to Use

Drag and drop visual development with live WYSIWYG designer and multiple Quickstarts (wizards)



SaaS Integrated

Easy access to SaaS data and processes via REST catalog. Enrich SaaS with engaging custom UI.

Extensible

More complex behavior can be implemented in standard JavaScript and HTML. Creates Oracle JET code.

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Oracle JET

- Complete JavaScript development framework
- Advanced two-way binding with a common model layer
- Leverages popular open-source technologies
- Rich set of UI components
- Smart resource management
- For intermediate & advanced JSdevs
- Free and Open Sourced

Figure 1. Oracle JET rich set of data visualization components

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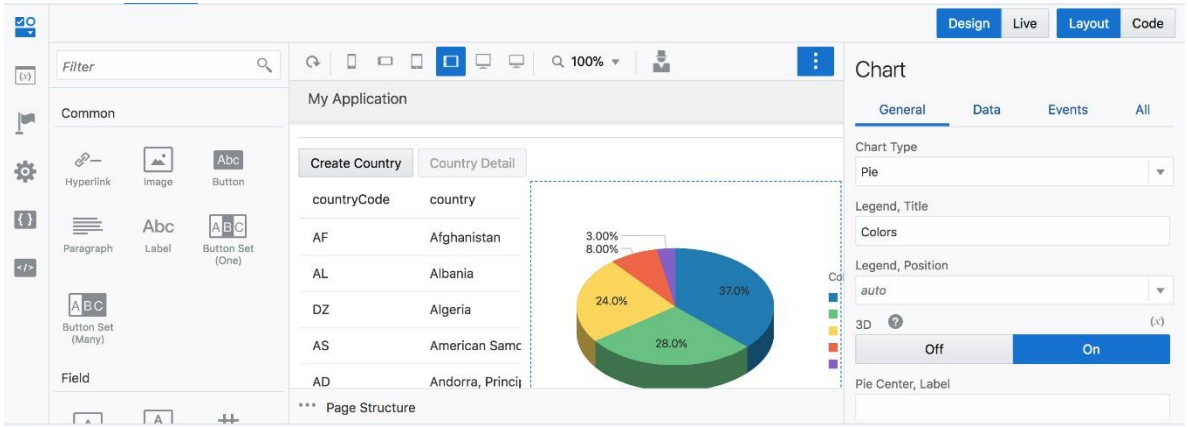
Productivity Through Visualization

- Visual Page Layout
- Visual Page Flow Diagram
- Visual Action Definition
- Visual REST Connection
- Visual Business Object Creation
- Visual Business Objects Logic



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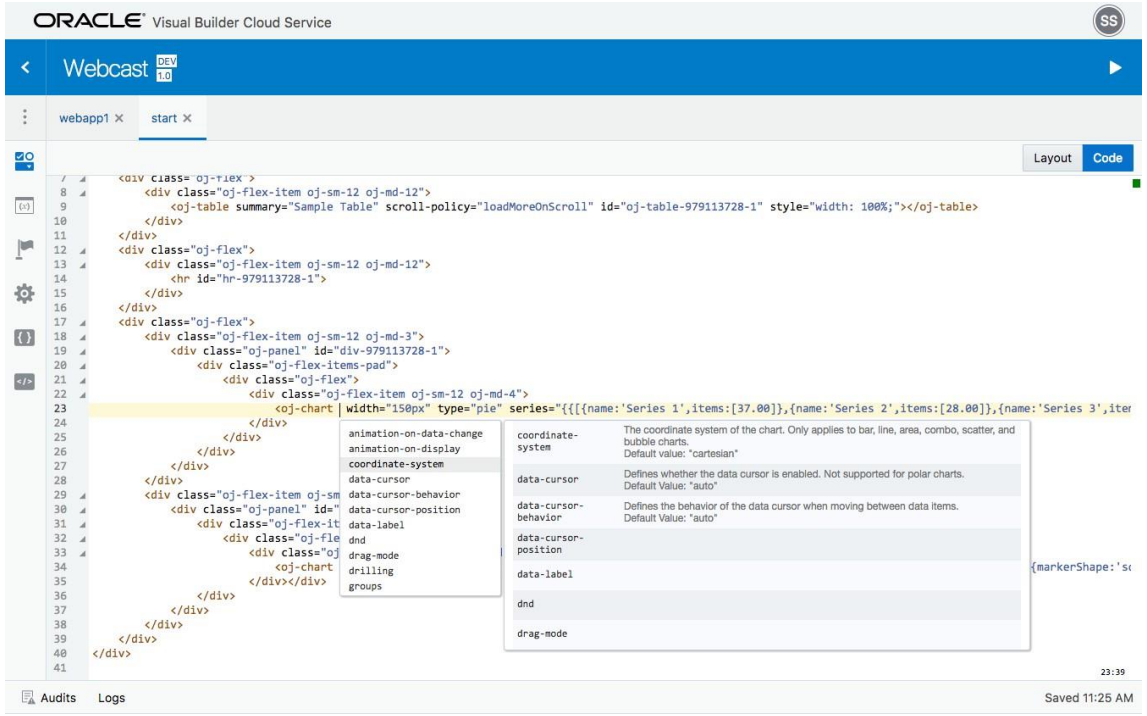
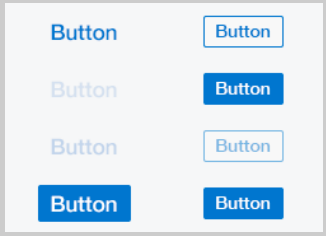
Flexibility Through Coding

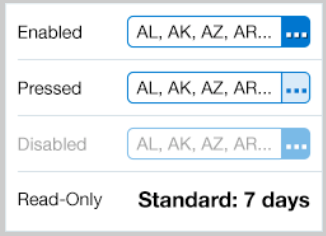
- Directly manipulate code
- Add your own logic
- Extendable platform
  - UI Components (JET)
  - JavaScript Libraries
  - Styles
  - Creates Oracle JET code

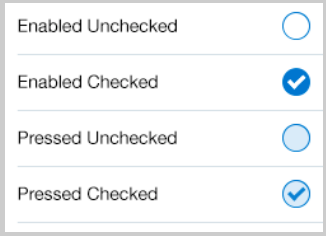


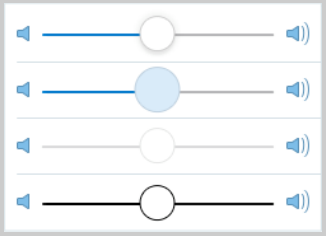
Build User Experience

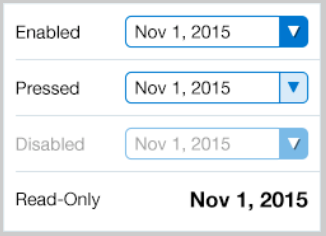
Basic Components



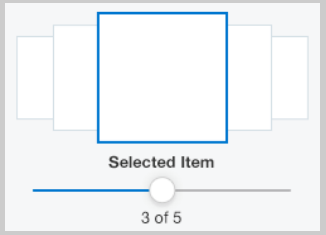


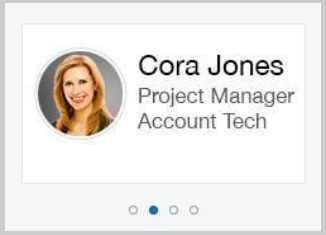


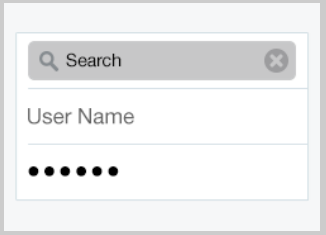


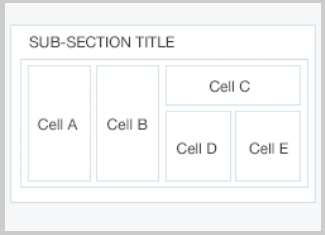


Data View

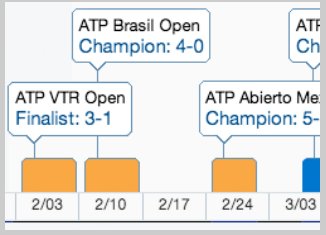


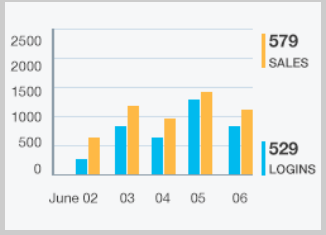


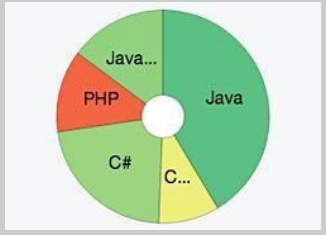


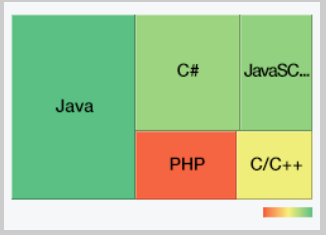


Visualizations









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VBCS Demo Time

Shay Shmeltzer
Oracle PM - VBCS

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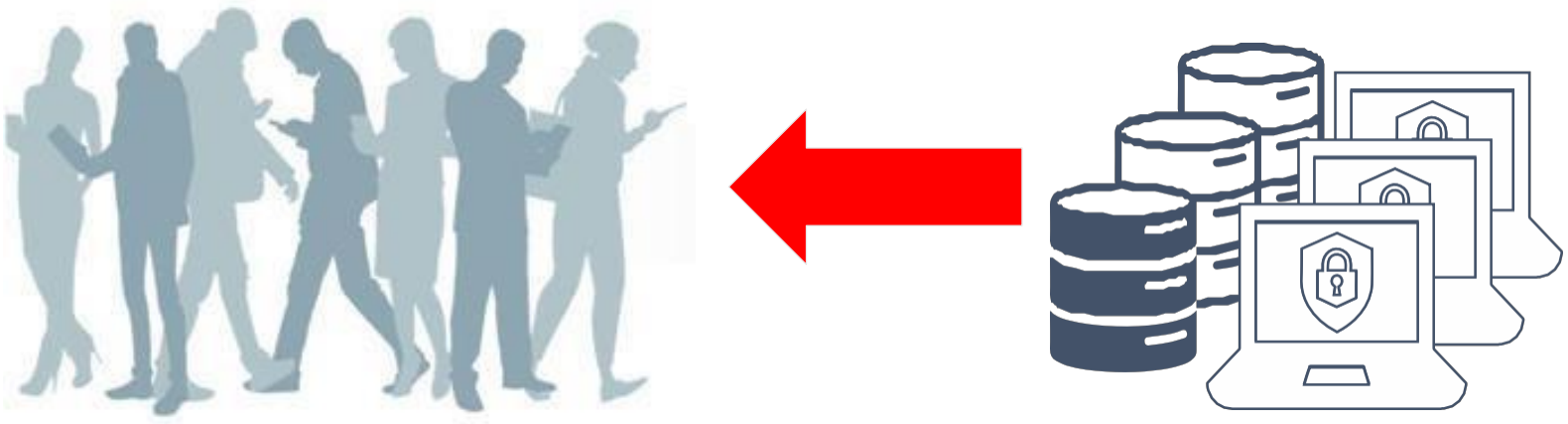
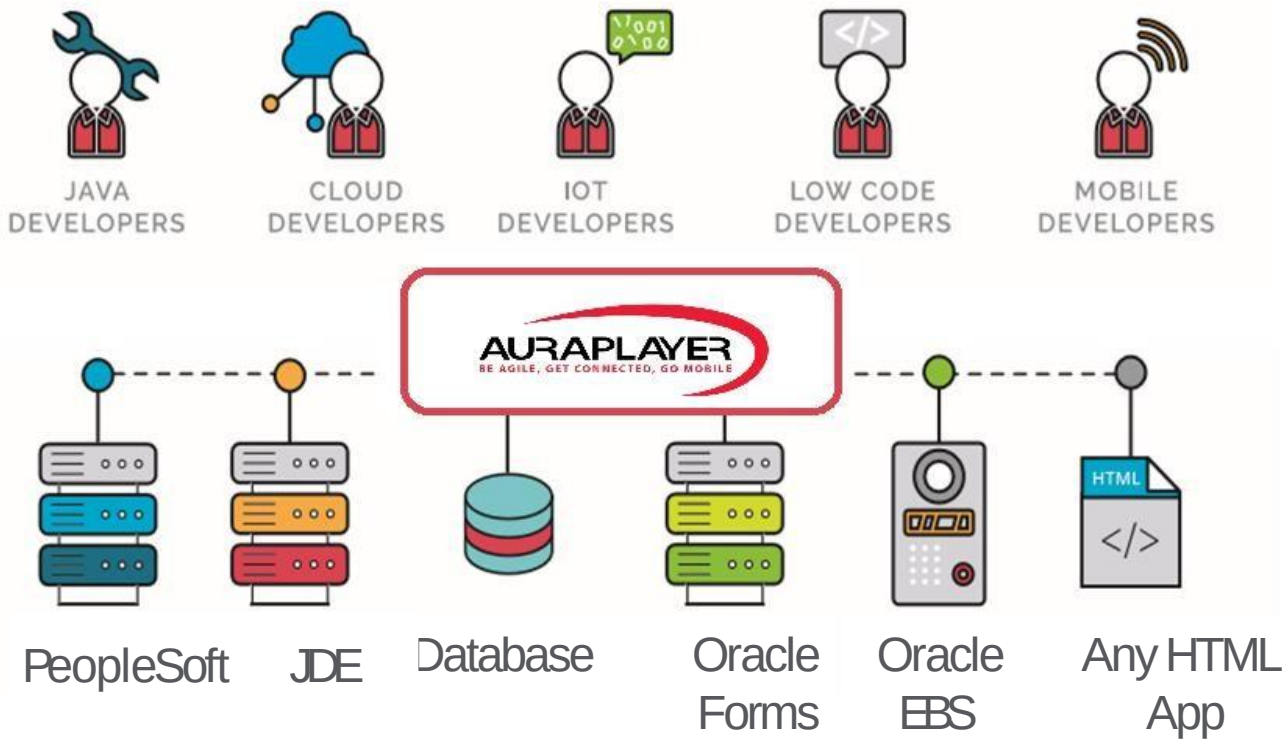
The Challenge: Agility

How to Deliver Enterprise Systems to Mobile Channels Without Costly and Risky Redevelopment Projects ?

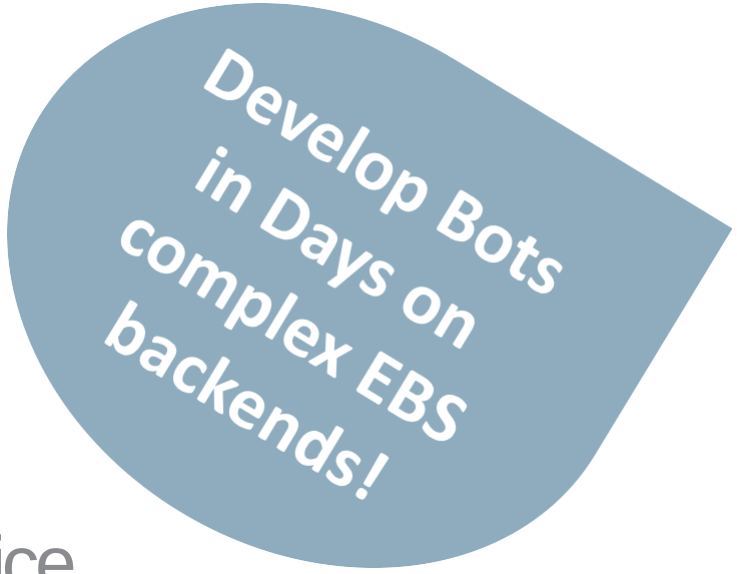


Auraplayer

- AuraPlayer creates a RESTAPI from any back-end data source, legacy or cloud application in minutes, WITHOUT redevelopment
- A new UI or integration layer can then be built using any REST-enabled technology



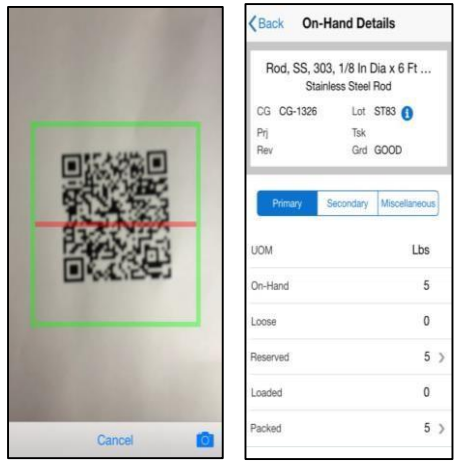
Why AuraPlayer ?



- No Redevelopment / Migration of the Back-ends
- Decrease Time to Market for BOTDevelopment
- Reduce Development Costs - Wizard based Webservice development process
- Reduce Maintenance Costs
- Open Architecture / Generates Generic WS

Mobile Use Cases: Enhancing LOB Digital Experiences

Retail / Warehousing

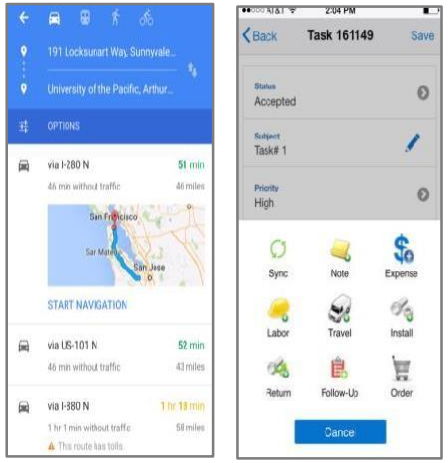


Scanner device apps to enter items into orders on the warehouse floor.

EBS Physical inventory and cycle counts on tablets from warehouse floor

Warehouse management systems to insert orders and products

Service



Give Field Technicians real time access to data at point of service

Get real time visibility into work status, technician location and financial performance

Increase Asset availability and minimize costly outages

Sales

Arm sales team with complete access to customer information

Mobile catalog of inventory items to speed up the ordering process

Build simple, Mobile First apps to increase revenue

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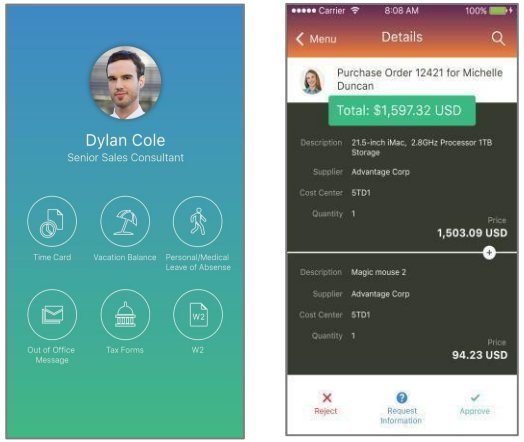
Mobile Use Cases: Enhancing LOB Digital Experiences

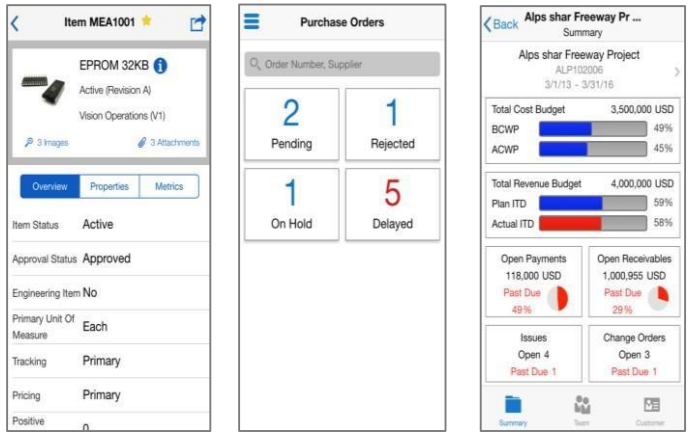
HR



Empower employees with common tasks for time reporting, approvals and employee benefits

Accelerate HR related workflows and processes with informative alerts and notifications

Operations



Modernize back office operations

Mobile procurement, inventory, purchase orders, project management
Helps with attracting and retaining employees

Custom Apps

Simplify enterprise mobility helping enterprises build better apps faster

Innovate with Mobile First / Only applications & IoT

Open, Standards based and Agnostic cloud based platform

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How Do We Do It ?

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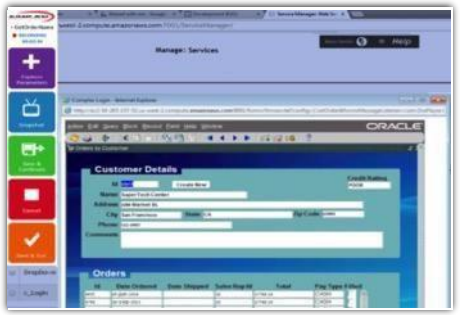
3 Steps to Mobile Success



1. Business process and User eXperience

- Identify the the Oracle Forms business process
- Define the end-user experience
- Create a Storyboard / Wireframe

2. Mobile APIs & Services

- Record your Oracle Forms process
- Expose REST services
- Create your mobile REST APIs – Oracle MCS

3. Mobile App

- Develop mobile app against your mobile APIs, in the tools of your choice
- Be agile, release early, release often
- Measure success with Mobile Analytics

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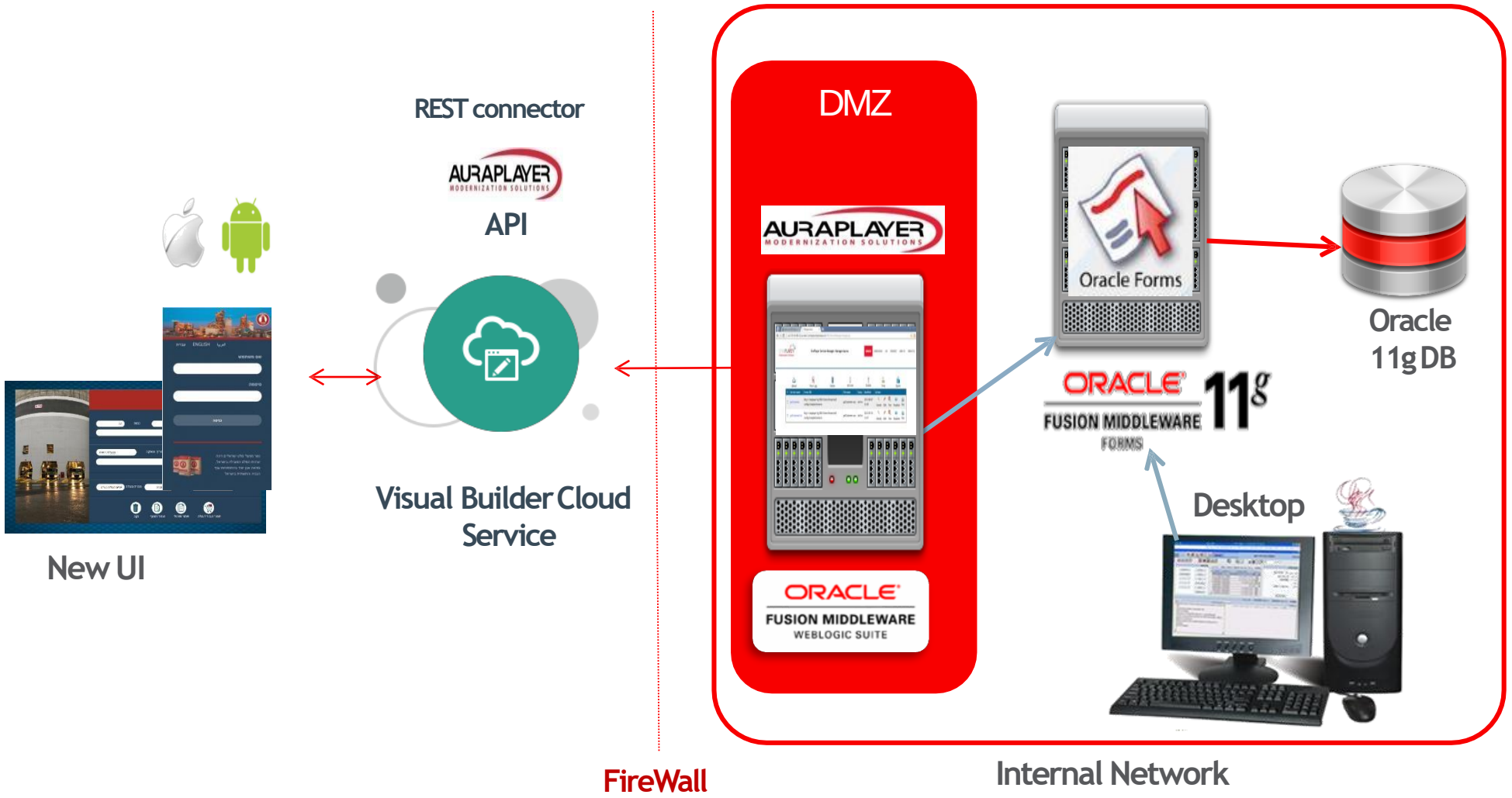
Backend Architecture

VBCSCloud / AuraPlayer on premise architecture



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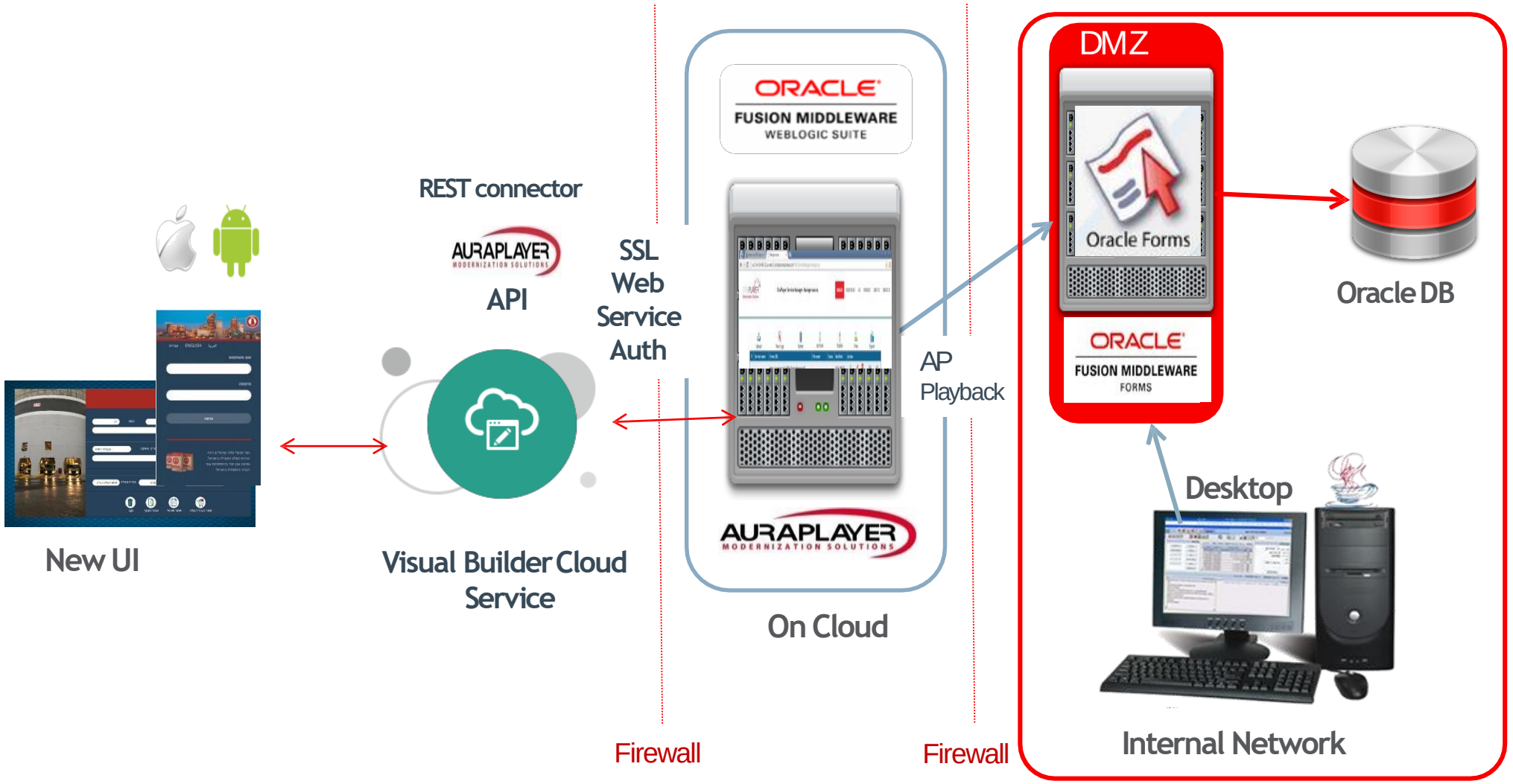
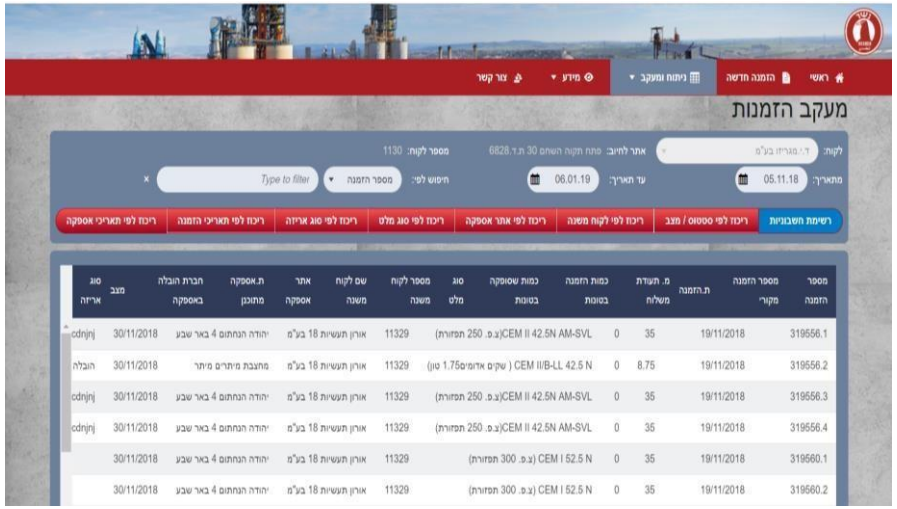
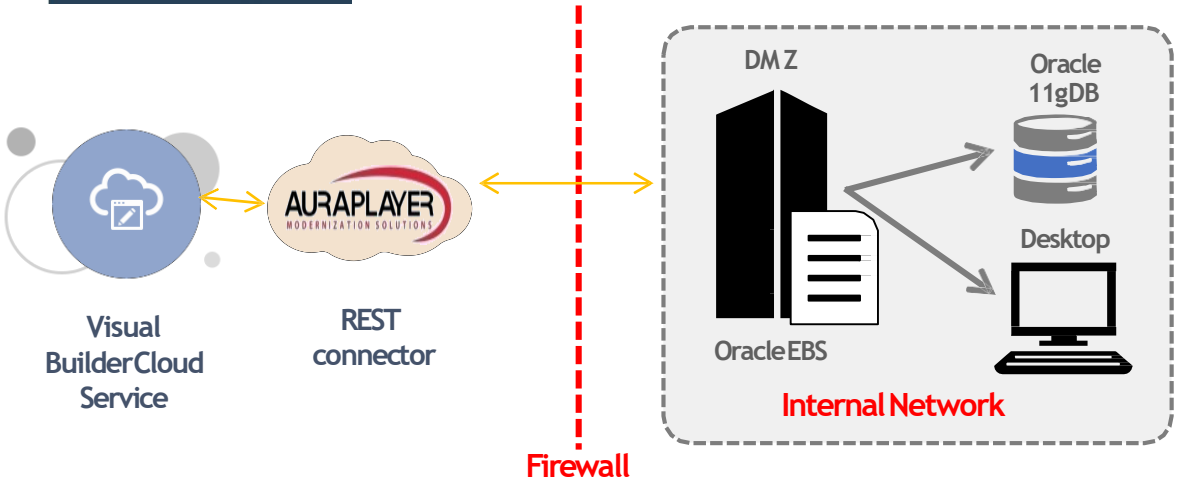
Full Cloud Infrastructure



Industry Successes

B2B online Store with VBCS and AuraPlayer





Challenge:

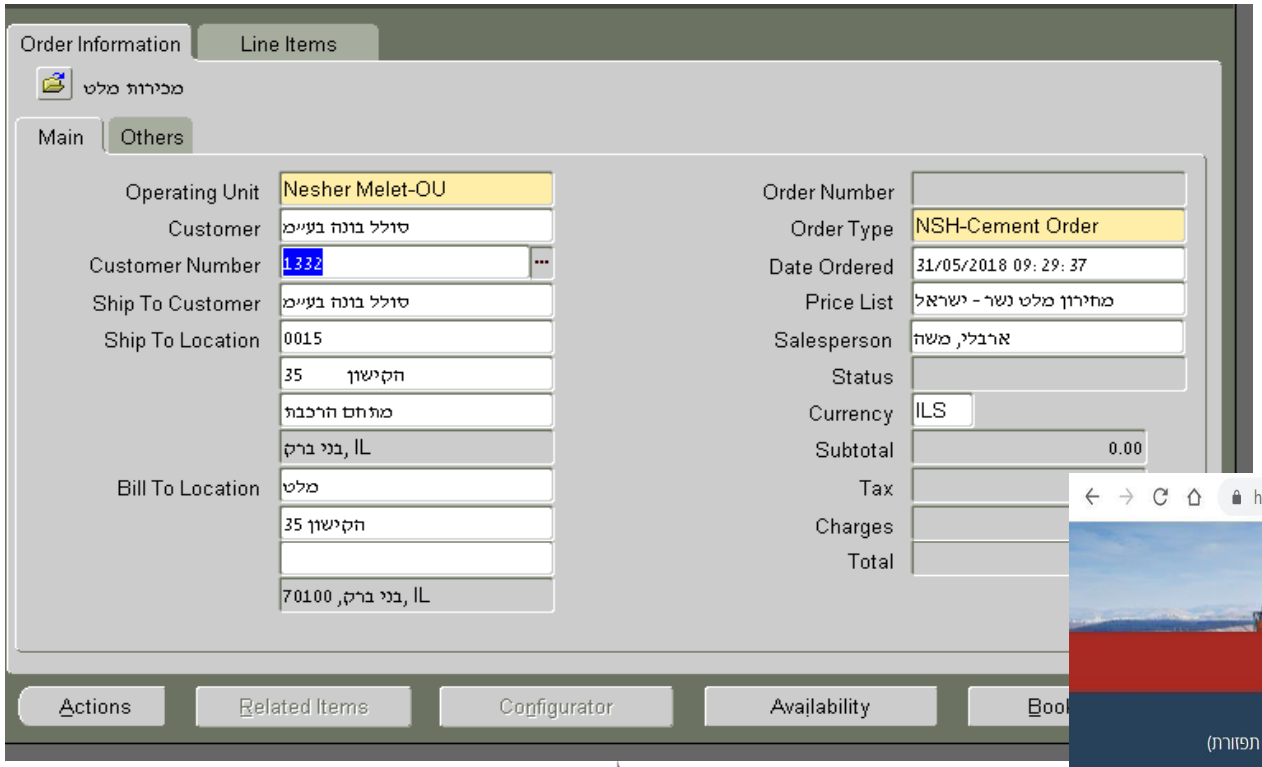
Link Oracle EBS Order Management (Forms) to a new cutting edge web and mobile interface at minimal cost and risk

The App:

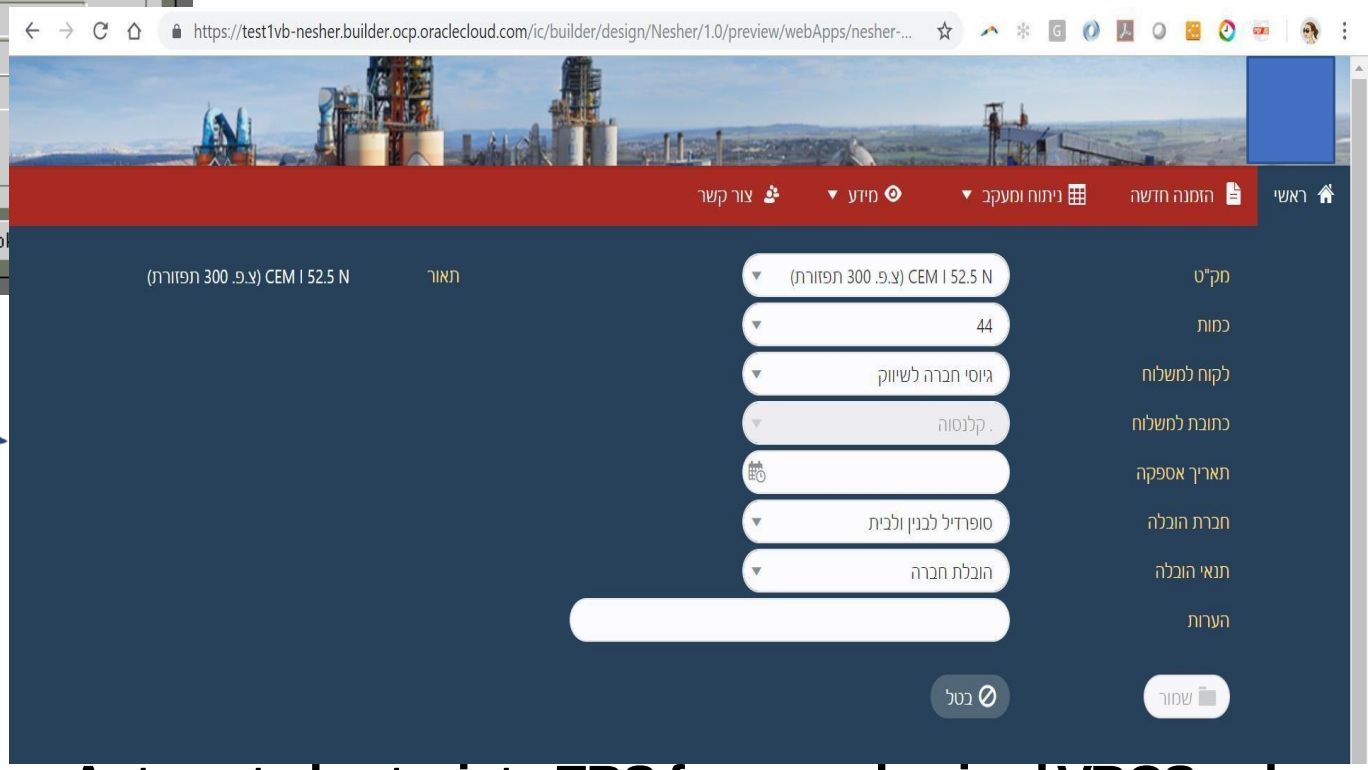
An old B2B external sales website manually integrated with Oracle EBS order system involving taking 2 days

Solution:

- Oracle VBCS for rapid development of modern web and / or mobile device app
- Aura Player to integrate the new app with EBS Sales Orders (the Forms app) via new bespoke RESTinterfaces
- Prototype built in a matter of days. Orders placed on new site now created in EBS immediately.
- Solution to be expanded to other use cases



Manualentry into EBS



Automated entry into EBS from modernized VBCSweb

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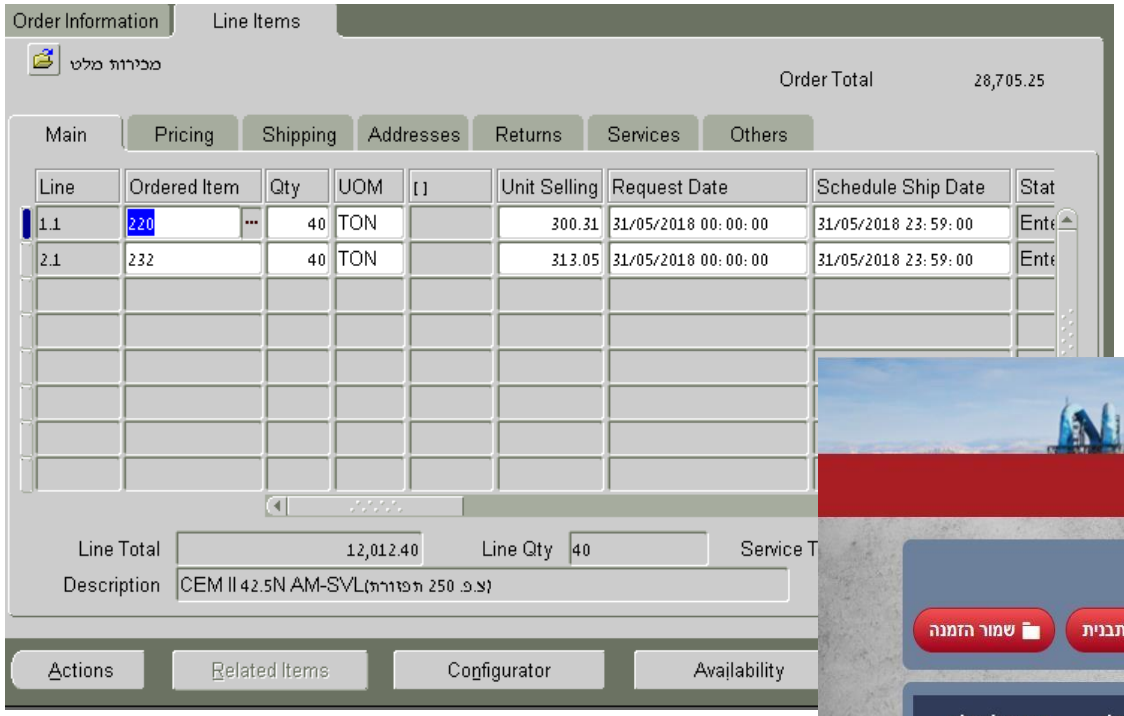

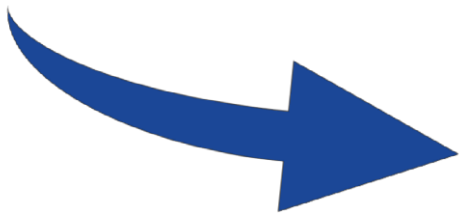

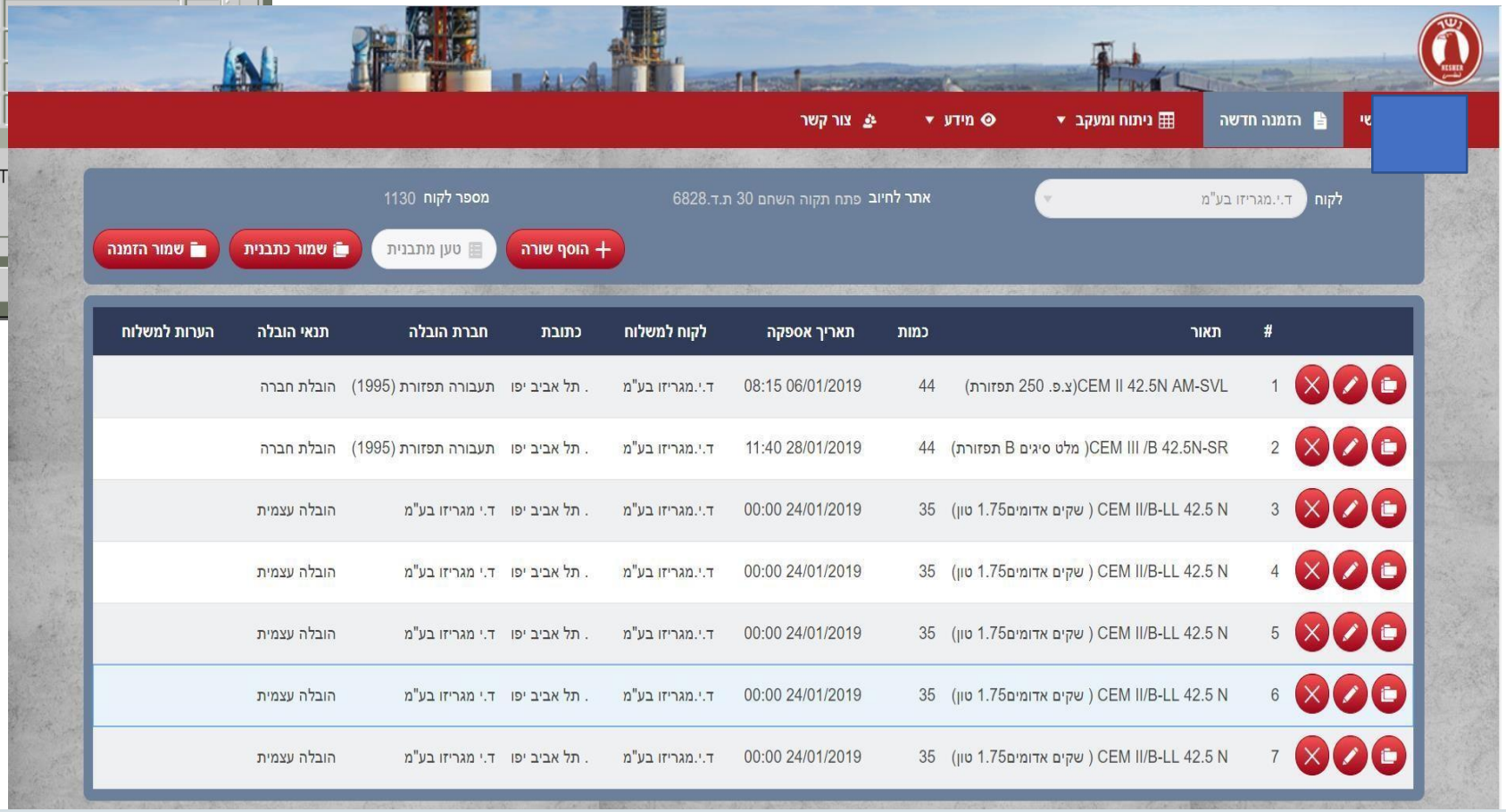

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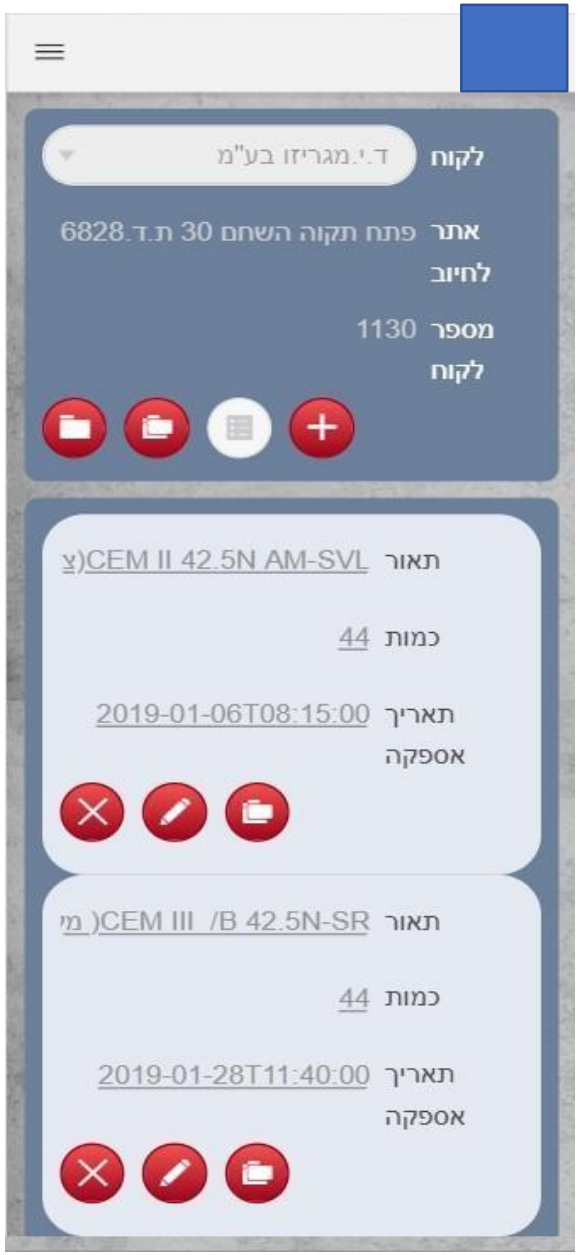
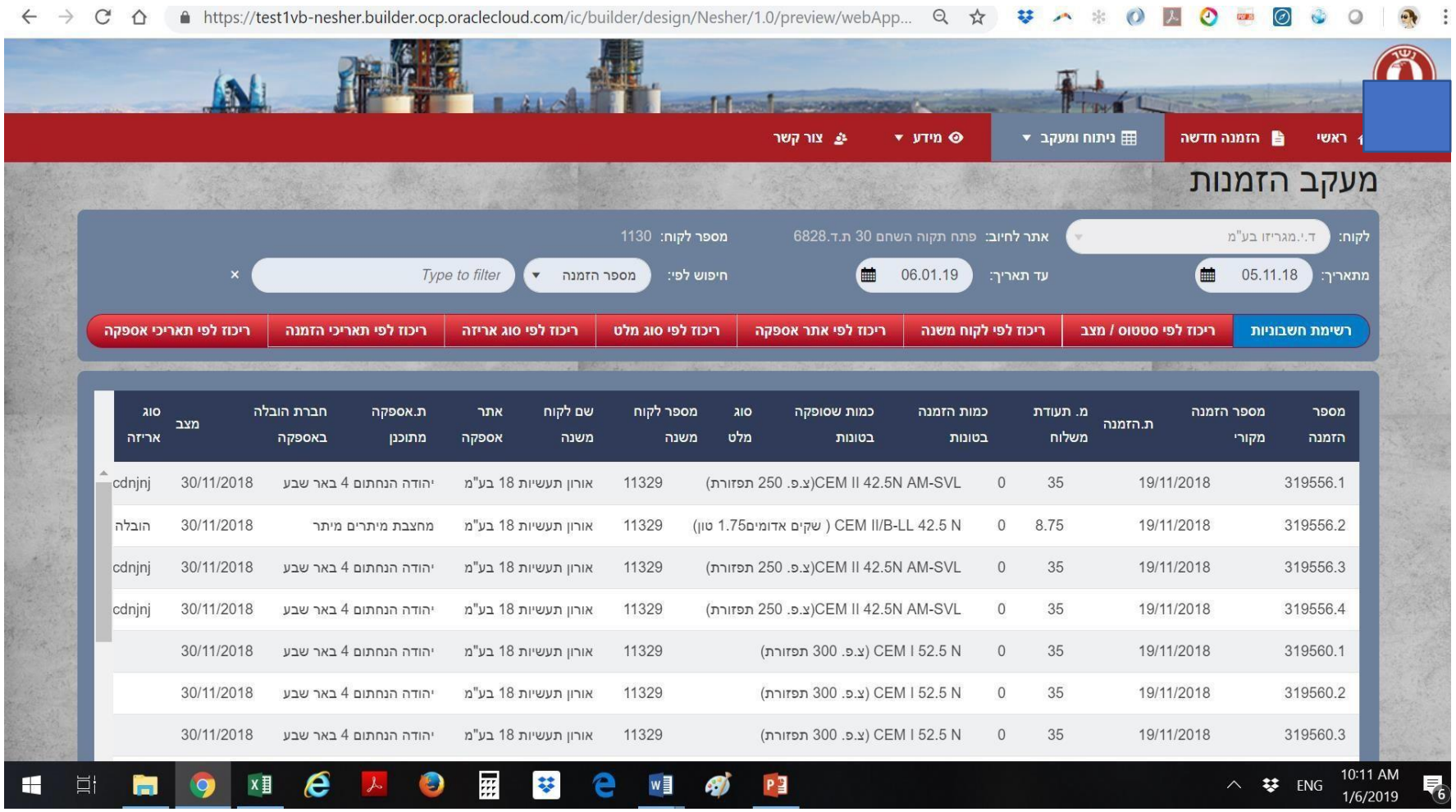
Mobile View



Desktop View



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The Way Forward

- **Review Current Landscape**
  - Where can mobile increase revenue, promote corporate efficiency
- **Assess Your Requirements**
  - What platforms do we need to deploy to? UI requirements?
- **Understand Existing System**
  - Where does the business logic sit today?
- **Define Timeline and Budget**
- **Choose development tools to review**
- **Conduct Proof of Concept of Proposed options**
- **Decide on final Implementation Method**

More Information

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