

CD261

Hands-On with SAP NetWeaver Cloud

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Workshop Agenda

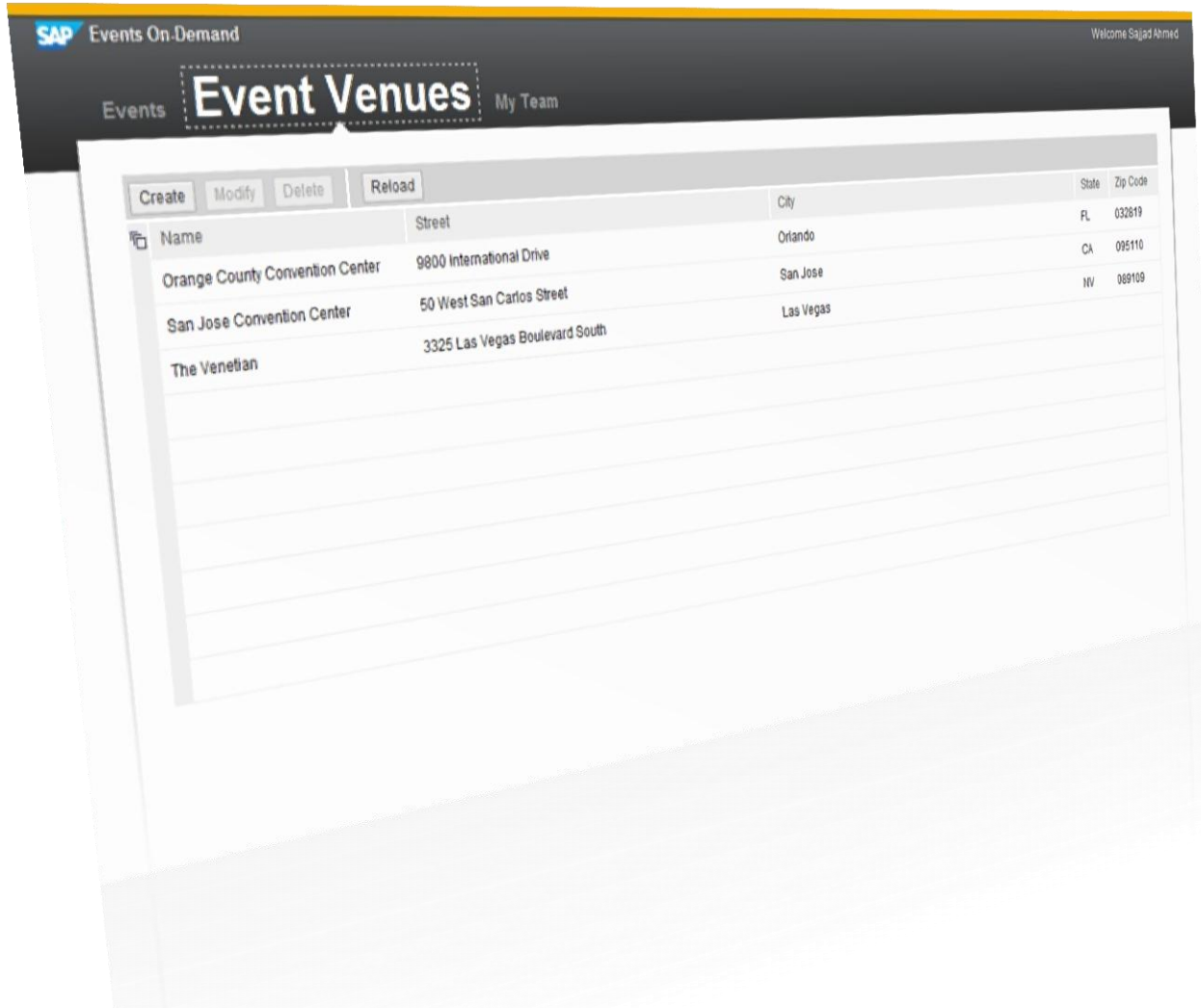
Develop and deploy an application on NetWeaver Cloud



- Configure development environment
- Write and review code for events application
- Deploy and run application locally
- Deploy and run application in the cloud
- Monitor application performance

Events Application

Functionality Overview

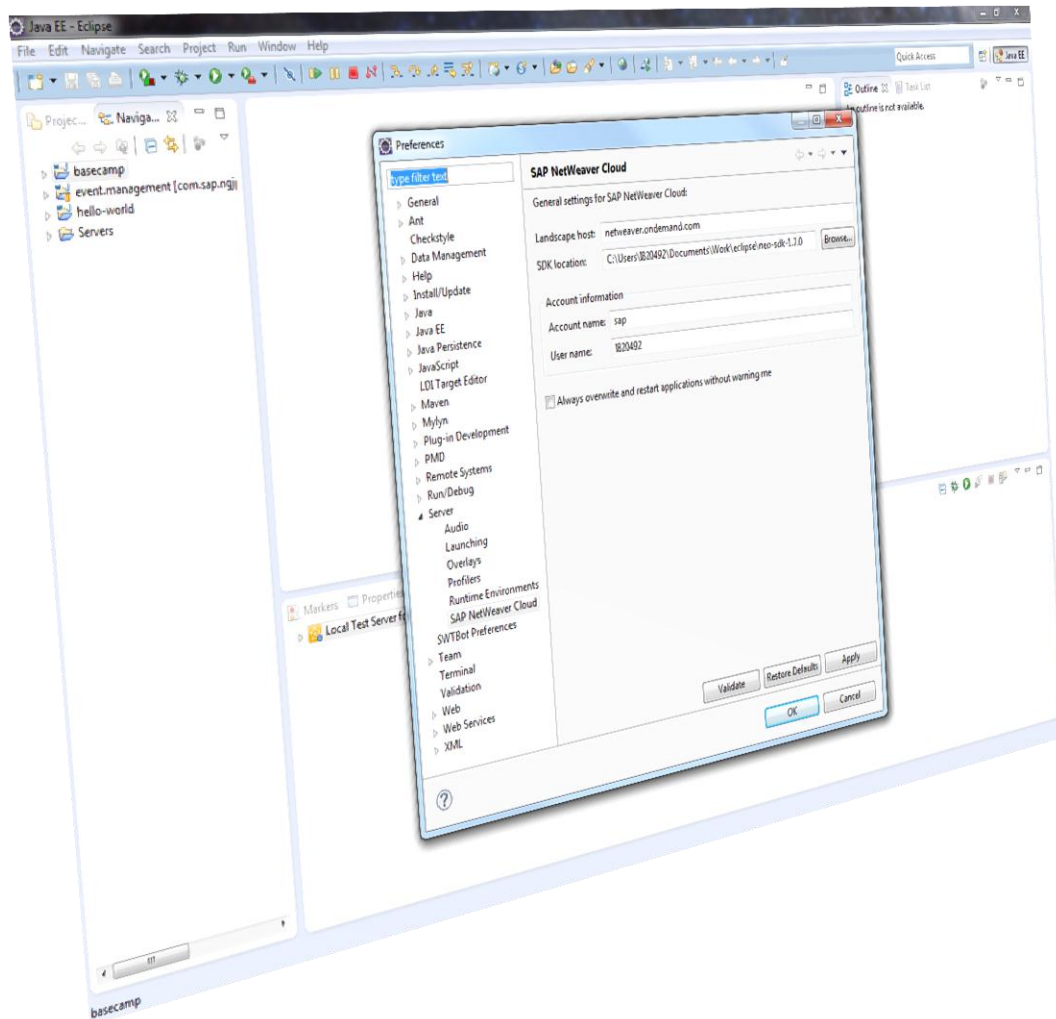


The screenshot shows the SAP Events On-Demand interface for 'Event Venues'. The header includes the SAP logo, 'Events On-Demand', and a user greeting 'Welcome Sajad Ahmed'. Below the header, there are navigation options: 'Events', 'Event Venues' (highlighted), and 'My Team'. The main content area features a table with columns for Name, Street, City, State, and Zip Code. The table contains three rows of venue data: Orange County Convention Center (Orlando, FL, 032819), San Jose Convention Center (San Jose, CA, 095110), and The Venetian (Las Vegas, NV, 069109). The table also has buttons for 'Create', 'Modify', 'Delete', and 'Reload'.

Name	Street	City	State	Zip Code
Orange County Convention Center	9800 International Drive	Orlando	FL	032819
San Jose Convention Center	50 West San Carlos Street	San Jose	CA	095110
The Venetian	3325 Las Vegas Boulevard South	Las Vegas	NV	069109

- Schedule an event with dates
- Select a specific venue for the event
Venue data pulled from on-premise ERP system
- Assign participants to the event
 - Participant data pulled from SuccessFactors Employee Central

Exercise 1 - Configure Development Environment



- Start Eclipse and verify settings
 - Proxy
 - Target Runtime
 - NW Cloud Server
 - Maven
- Create Maven project
- Update pom.xml with dependencies

Exercise 2 – Import Skeleton Code Files

- *Persistence Layer*

- Event.java
- EventLocation.java
- Person.java
- persistence.xml

- *Business Logic Layer*

- ActiveUser.java

- *UI Layer*

- events.view.js
- locations.view.js
- people.view.js
- index.html

Exercise 2 (ctd) – Import Completed Code Files

- *Persistence Layer*

- Location.java
- User.java
- oDataObject.java
- ZTM_EventsOnDemand.java

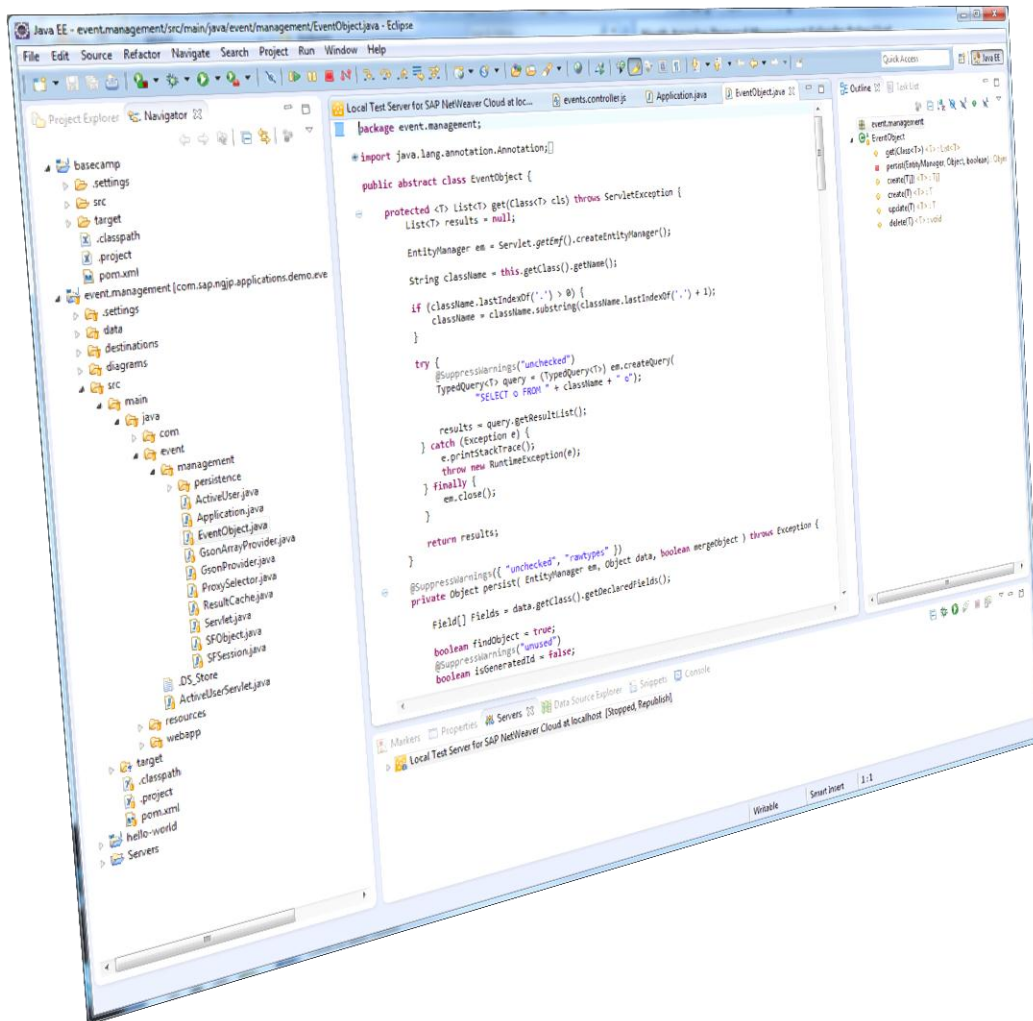
- *Business Logic Layer*

- EventObject.java
- Servlet.java
- GsonArrayProvider.java
- GsonProvider.java
- ResultCache.java
- ProxySelector.java
- Application.java
- SFObject.java

- *UI Layer*

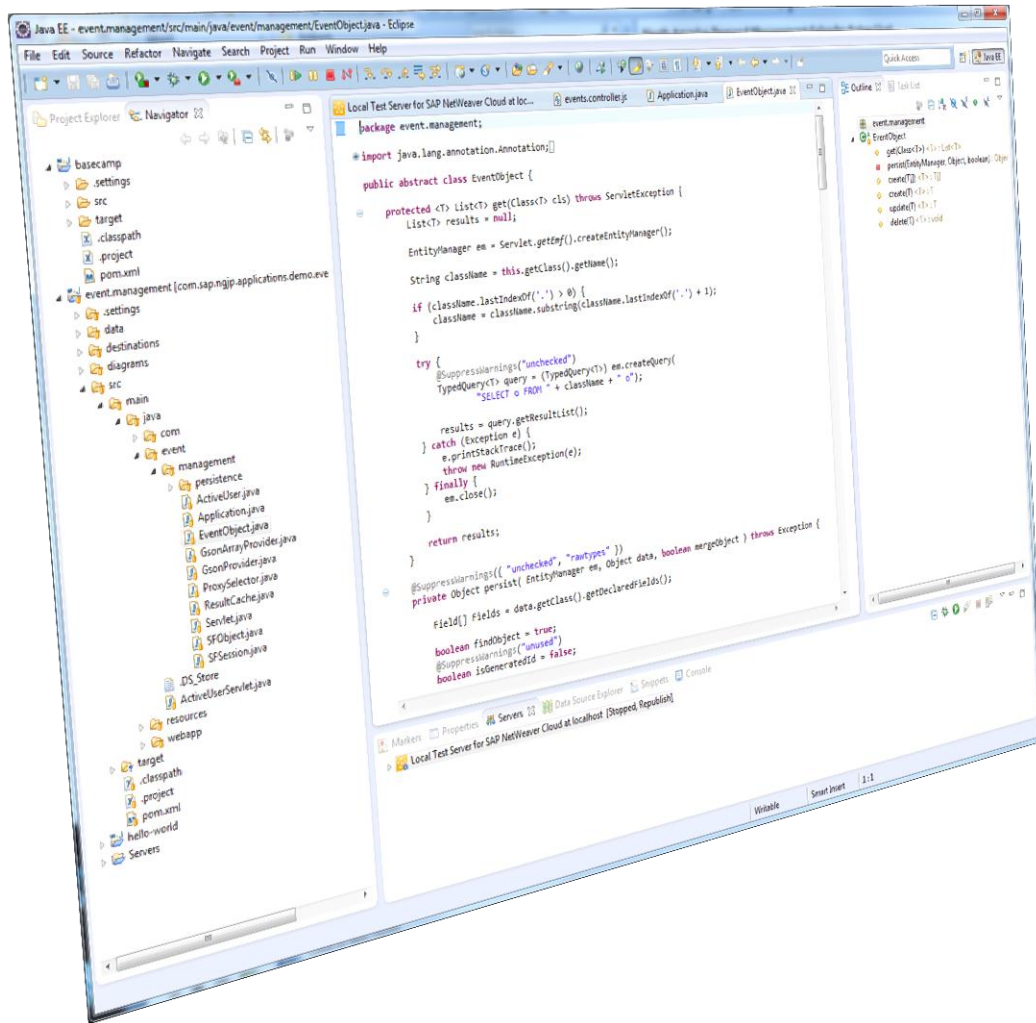
- common.js
- date.js

Exercise 3 – Develop Persistence Code



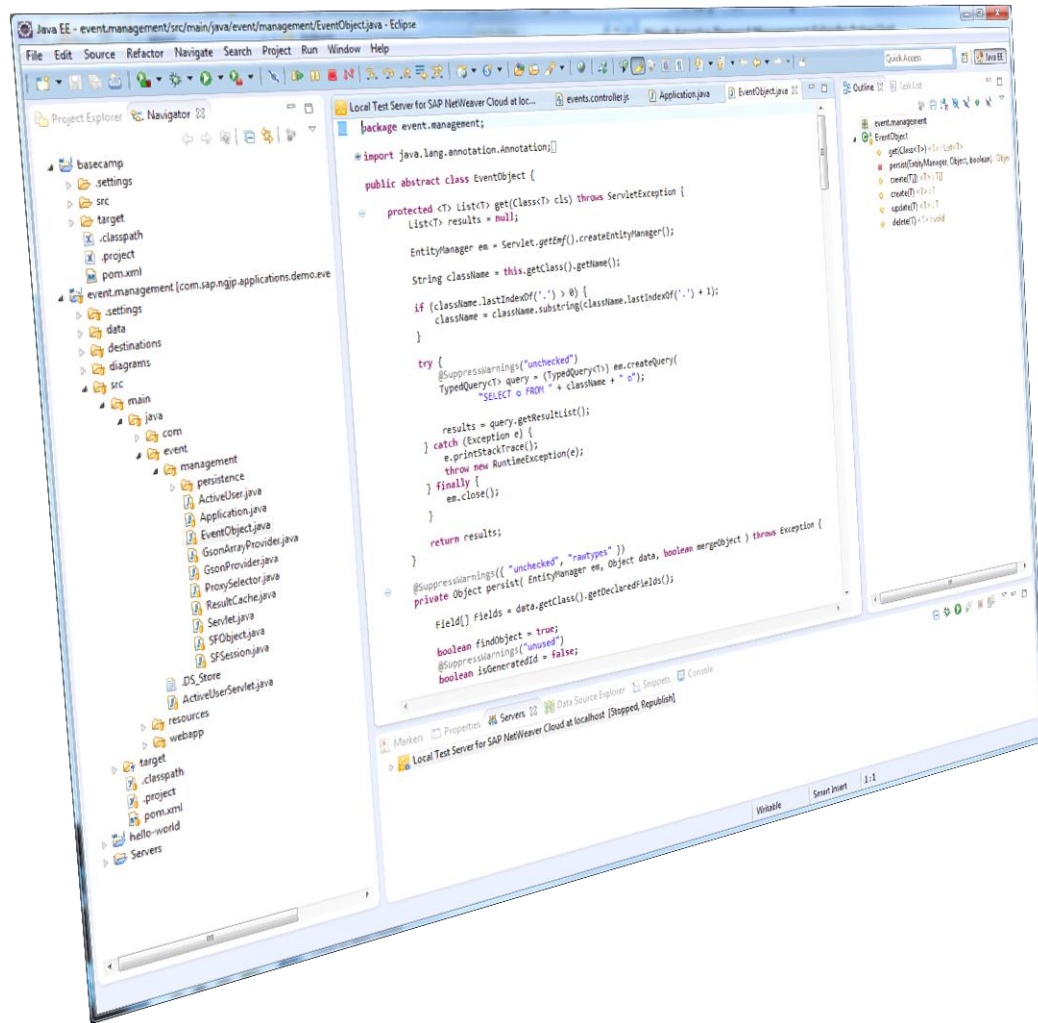
- Complete Event.java
 - Fields: Name, Start Date, End Date, Venue, Attendees
- Complete EventLocation.java
 - Fields: Name, Street, City, State, Zip Code
 - Point to on-premise ES Workplace Locations using Cloud Connector
- Complete Person.java
 - Fields: First Name, Last Name, Email Address, Photo
- Complete persistence.xml
- Review imported code

Exercise 4 – Develop Business Logic Code



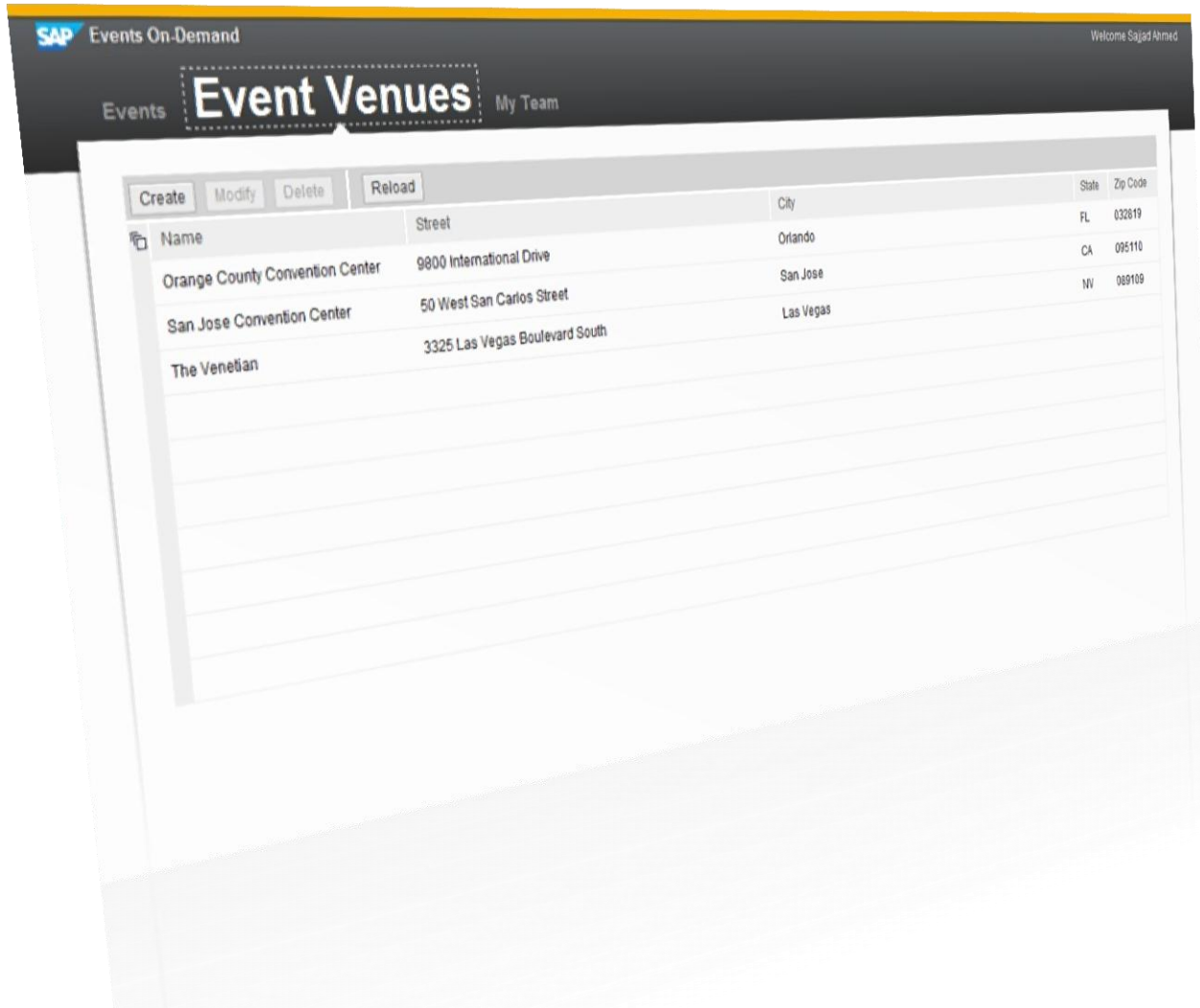
- Complete ActiveUser.java
- Review imported code:
 - EventObject.java
 - Servlet.java
 - GsonArrayProvider.java
 - GsonProvider.java
 - ResultCache.java
 - ProxySelector.java
 - Application.java
 - SFObject.java
 - SFSession.java

Exercise 5 – Develop UI



- Complete events.view.js
- Complete locations.view.js
- Complete people.view.js
- Complete index.html

Exercise 6 - Run Application Locally

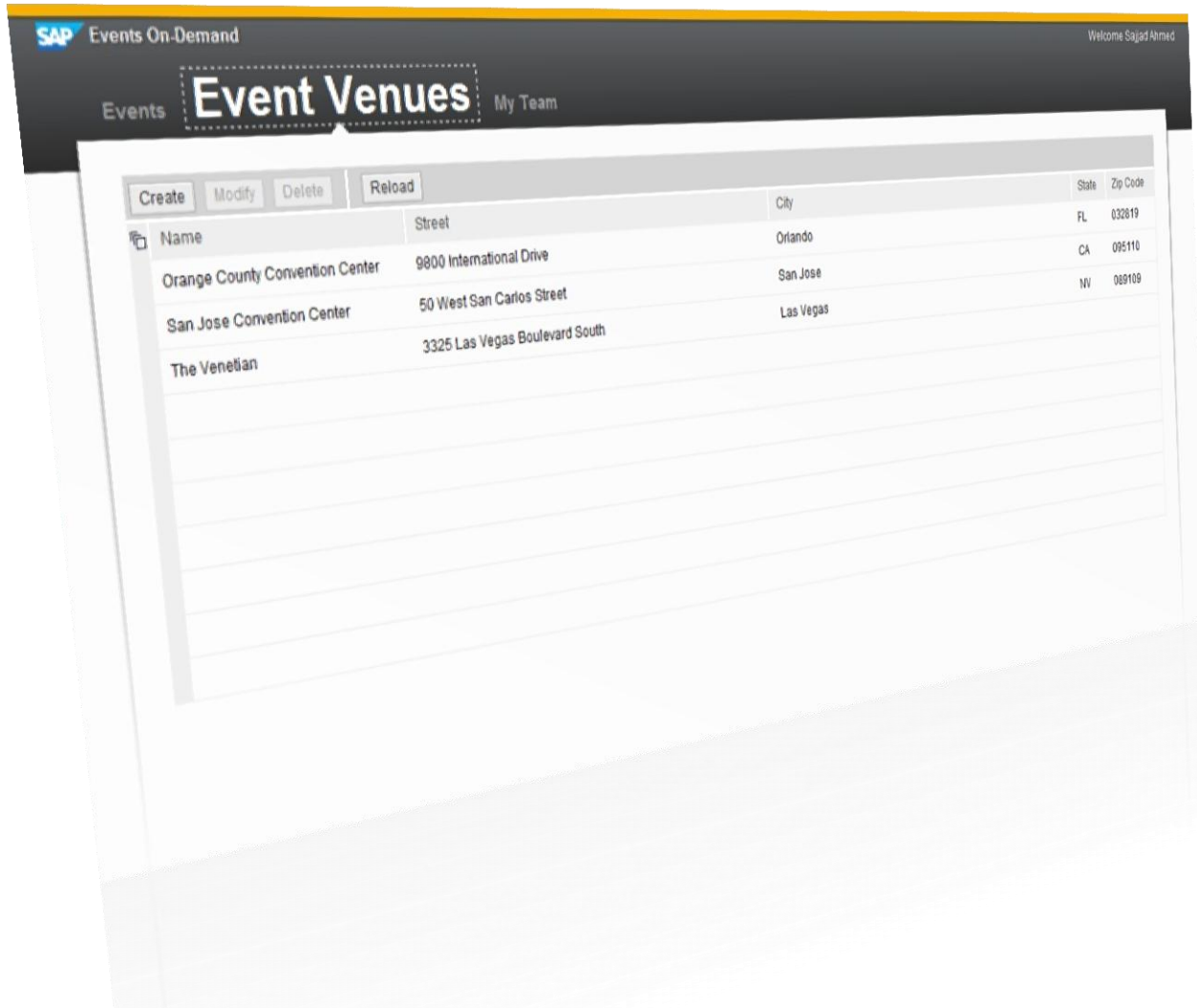


The screenshot shows the SAP Events On-Demand interface. The top navigation bar includes the SAP logo, 'Events On-Demand', and a user greeting 'Welcome Sajad Ahmed'. Below this, the 'Event Venues' section is highlighted, with 'Events' and 'My Team' options. A table with columns for Name, Street, City, State, and Zip Code is displayed. The table contains three rows of data: Orange County Convention Center (Orlando, FL), San Jose Convention Center (San Jose, CA), and The Venetian (Las Vegas, NV). The table has buttons for 'Create', 'Modify', 'Delete', and 'Reload' at the top left.

Name	Street	City	State	Zip Code
Orange County Convention Center	9800 International Drive	Orlando	FL	32819
San Jose Convention Center	50 West San Carlos Street	San Jose	CA	095110
The Venetian	3325 Las Vegas Boulevard South	Las Vegas	NV	089109

- Create local NW Cloud server
- Add on-premise connection and users
- Publish application to local server and run
 - Point to app URL in web browser
 - Log in using locally created user
 - Verify pulling of Event Venues from ES Workplace
 - Verify pulling of People data from SuccessFactors
 - Create Events and assign People

Exercise 7 - Run Application in the Cloud

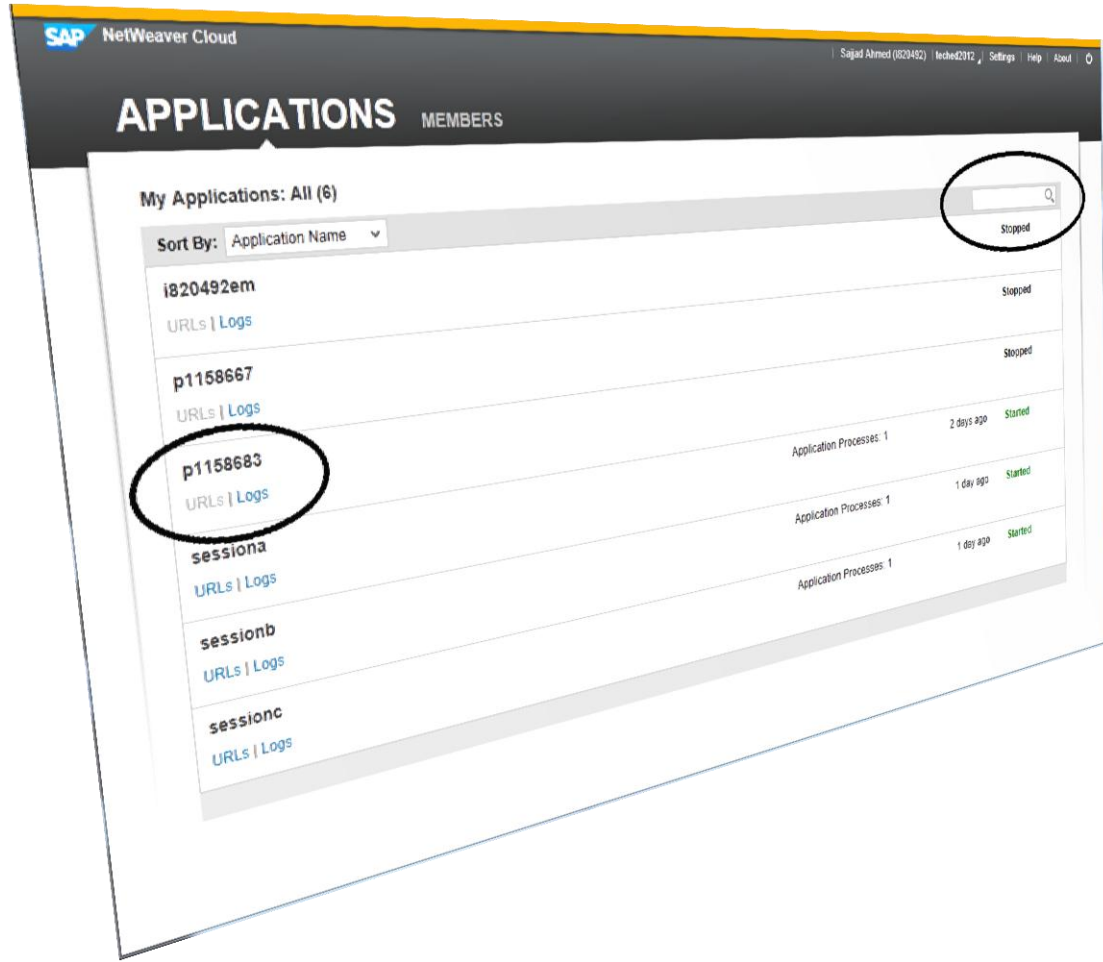


The screenshot shows the SAP Events On-Demand application interface. The top navigation bar includes the SAP logo, 'Events On-Demand', and a user greeting 'Welcome Sajad Ahmed'. Below this, there are tabs for 'Events' and 'Event Venues', with 'Event Venues' being the active tab. A 'My Team' link is also visible. The main content area displays a table with columns for Name, Street, City, State, and Zip Code. The table contains three rows of data:

Name	Street	City	State	Zip Code
Orange County Convention Center	9800 International Drive	Orlando	FL	32819
San Jose Convention Center	50 West San Carlos Street	San Jose	CA	095110
The Venetian	3325 Las Vegas Boulevard South	Las Vegas	NV	089109

- Publish application to the cloud and run
 - Point to app URL in web browser
 - SSO with SCN Userid
 - Verify pulling of Event Venues from ES Workplace
 - Verify pulling of People data from SuccessFactors
 - Create Events and assign People

Exercise 8 - Monitor Application



- Access NW Cloud Applications Cockpit
- Locate your application
- View logs

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- CD260 - Cloud SSO and On-Premise Identity Federation with NW Cloud

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- CD812 - Integrate On-Premise Systems with NW Cloud
- CD813 - Discover NW Cloud Labs
- Customer Success Stories with NW Cloud

Lectures

- TEC115 - NW Cloud Platform for Customer Enterprise Applications
- CD208 - Tap into the Open Source Community with NW Cloud
- SIS104 - SAP ID Service – Identity Provider for the Cloud

Further Information

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SAP NetWeaver Cloud

<http://scn.sap.com/community/developer-center/cloud-platform>

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