Your First APEX Plugin

Jeffrey Kemp AUSOUG Perth, October 2019





About Me

K64 jeffkemponoracle.com

ASC AN NRI COMPANY



Agenda

- Target Audience
- 2. Getting Started
- 3. Primary Concepts
- 4. Walkthrough #1: Region plugin
- 5. Walkthrough #2: Item plugin
- 6. Links to Resources





Target Audience

- Building APEX applications
- Comfortable with:
 - · PL/SQL
 - HTML
- Gaining familiarity:
 - jQuery
 - Javascript





Getting started

- plugins on apex.world
- plugins in the Sample Database Application





Primary concepts

- Plugin types
- Plugin PL/SQL and Callbacks
- Standard & Custom Attributes
- Files, JS and CSS
- Plugin Events



Plugin Types

Authentication Scheme Type

Authorization Scheme Type

Dynamic Action

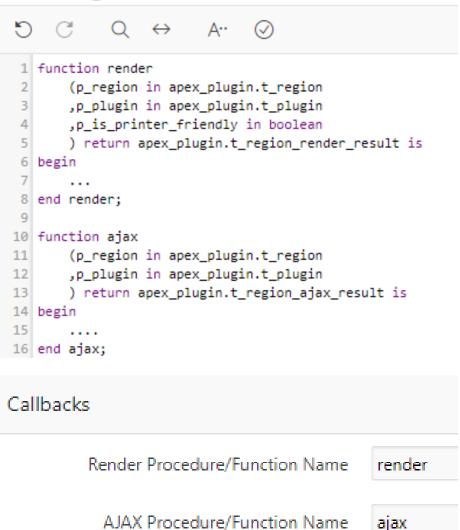
Item

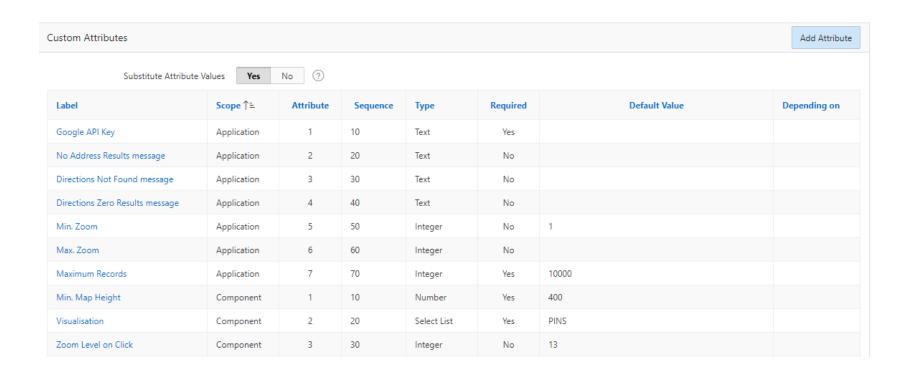
Process

Region

PL/SQL Callbacks

PL/SQL Code ?





Custom Attributes

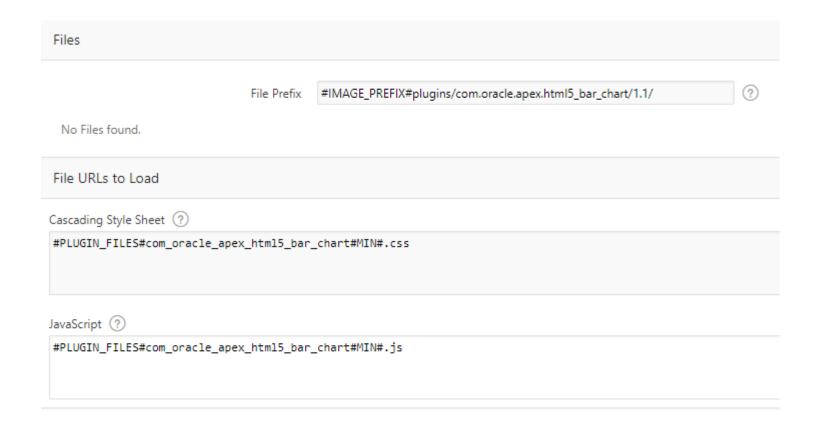
up to **15** Application Attributes

- set in Component Settings

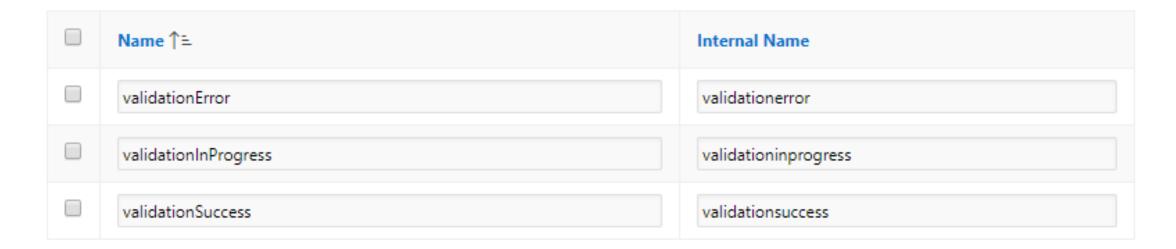
up to **25** Component Attributes

- set separately for each region / item / etc.

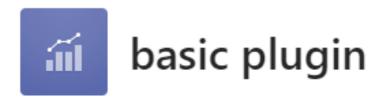
Files, JS, CSS



Events



Plugin Events

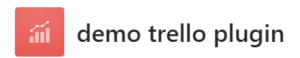


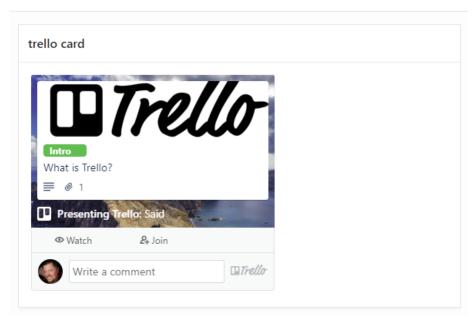
List All The Things

BLAKE KING FORD CLARK JAMES WARD TURNER SCOTT ADAMS MARTIN MILLER SMITH JONES ALLEN

Refresh

Walkthrough #1: Region plugin





Walkthrough #2: Item plugin



Resources

- Oracle documentation: Implementing Plugins
 https://docs.oracle.com/en/database/oracle/application-express/19.1/htmdb/implementing-plug-ins.html#GUID-B158814B-C3FC-4030-AF25-D14208DB1E27
 tinyurl.com/plugindoc
- APEX PL/SQL API apex.oracle.com/api
- APEX Javascript API apex.oracle.com/jsapi
- Plugin Templates
 repository maintained by Daniel Hochleitner
 github.com/Dani3lSun/apex-plugin-templates
- Published plugins apex.world



Get the slides / walkthrough steps

jeffkemponoracle.com

... within the next week