**Training**

# DEVELOPING WEB AND MOBILE APPS USING TELERIK® KENDO UI® AND PROGRESS® OPENEDGE®

## OBJECTIVES
▸ Expose OpenEdge business logic as a rest service
▸ Build a web interface with Kendo UI
▸ Build a hybrid mobile app with Telerik AppBuilder

## DURATION
Three days

## AUDIENCE
OpenEdge Developers

## PREREQUISITES
None

## WHERE
**Duffel**
26- 28 August, 2015
660 Euro pp per day

## REGISTRATION
Christel Philipsen
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Hands-on Training: Building beautiful Telerik web and mobile user interfaces on top of OpenEdge business logic (ABL).

## The basics of Front End Development

▸ What is HTML5?
▸ What is JavaScript?
▸ What is jQuery?
▸ CSS and CSS selectors
▸ Setting up an index.html page with the necessary references to jQuery
▸ Building some simple examples showcasing jQuery as selectors and how jQuery extends and enhances JavaScript

## Introduction to Kendo UI: hands on

▸ Understanding the object model used by Kendo UI
▸ Adding widgets into our project
▸ Using built-in themes and Kendo UI Theme Builder
▸ Understanding properties and events
▸ How to browse the Kendo UI API reference
▸ Building basic examples with Kendo UI widgets

## Service enabling your existing code: hands on

▸ Set up a Pacific Appserver for OpenEdge (PAS OE)
▸ Business Entity
▸ JSDO
▸ Create a subclass
▸ Generate REST services
▸ Publish on PAS OE
▸ Test your service

## Binding Kendo UI widgets to data: hands on

- Understanding Kendo UI DataSource
- JSON format
- Binding data to Kendo UI Grid
- Building an application with other widgets
- Using the datasource
- Understanding responsive and adaptive design

## Kendo UI Mobile and Telerik AppBuilder: hands on

- What is a Hybrid application?
- Native vs Hybrid applications
- Kendo UI Mobile Framework
- Building a first mobile application
- Using the mobile widgets
- Using regular widgets in mobile apps
- Deploying a mobile application to a real device

## Kendo UI ScreenBuilder (beta)

- Preview
- Migrating from OpenEdge Mobile to Screenbuilder

## Kendo UI and UI for ASP.NET MVC: hands on

- Using Kendo UI MVC helpers
- Building basic examples with Kendo UI MVC helpers
- Pros and Cons

## Extending the OpenEdge business logic: hands on

- CRUD actions
- Optimistic locking pattern

## Advanced Data operations with Kendo UI Datasource framework: hands on

- Connecting with the server
- Sorting and paging (client vs server)
- Data virtualization
- CRUD and batch operations
- Building samples with Kendo UI widgets

## The Kendo UI MVVM framework: hands on

- Building basic examples
- Single Page Applications (SPA)

## Kendo UI Templates: hands on

- Overview and usage
- Performance
- Internal vs. external templates
- Building samples using Templates

## Extending Kendo UI widgets: hands on

- Inheritance with Kendo UI
- Create your own Kendo UI widgets
- Extending base widget
- Handling events
- Making the widget MVVM aware

## Q&A Session

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