

FinPUG[★] CHALLENGE

FinPUG CHALLENGE 2020 Web UI Workshop

FinPUG CHALLENGE is an annual event of the Finland Progress User Group. It will be on Thursday 26.3.2020 as a cruise from Turku to Stockholm and Turku. Read the program [here](http://iavad.fi/FinPUG_2020_engl.pdf). (iavad.fi/FinPUG_2020_engl.pdf)

The previous day, a Web-UI workshop will be held in Turku. It deals with various options and strategies for modern Web interfaces for OpenEdge applications.

The workshop is held in English and can be attended from any country.

PROGRAM

Time: Wednesday 25.3.2020
Venue: Hotel Seaport, Toinen poikkikatu 2, 20100 Turku
(<https://www.hotelseaport.fi/en/>)

Speakers:

- Radu Nicoara, Consultant / Developer, Consultingwerk Software Services Ltd.
- Marian Edu, Owner, Acorn IT

Wednesday 25.3.2020

11.00 Lunch

12.00 Radu Nicoara

- SmartComponent Library Web-UI

15.30 Marian Edu

- Build a web module to your existing 4gl application using Angular and PrimeNG

19.00 Dinner

Coffee breaks during both workshop sessions.



FinPUG CHALLENGE 2020 Web UI Workshop

Participation fees:

- A. Accommodation € 200 € (single room)
- B. Accommodation € 150 (double room) – must have named room buddy
- C. No accommodation € 100

Contains:

- Lunch
- Workshop Program
- Coffee catering
- Dinner
- Selected accommodation including breakfast

Registrations:

www.finpug.fi no later than **Friday 6th March 2020.**

Topics:

SmartComponent Library Web UI workshop

Goal:

In this three hour workshop, participants will be introduced to the SmartComponent Library Angular frontend framework. The workshop will cover the various approaches available for creating web interfaces that interact with the SmartComponent Library backend. The focus will be on the web side of things. A SmartComponent Library backend build upon the sports2000 database will be provided for usage during the workshop.

Prerequisites:

Node.js version 12.16 (<https://nodejs.org>)

The workshop will cover the following topics:

- Introduction to the SmartComponent Library Angular components and core concepts
- Scaffolding a new Angular project
- SmartComponent Library frontend installation
- Implementing an Angular Smart Form using a HTML layout
- Implementing an Angular Smart Form using a JSON layout
- Implementing custom client-side logic for Smart Forms

The workshop will not cover:

- SmartComponent Library backend setup
- SmartComponent Library backend tooling

Participants will have to bring their own computers for the workshop.

Build a web module to your existing 4gl application using Angular and PrimeNG

Goal:

The participants can use existing applications that are using/extending the business entities provided by Progress or we will provide a small demo built on top of infamous sports2000 database.

The workshop is not going to focus on the business logic side, we expect that to already exist, be application server 'ready' (no UI/BL intermingled) and an application server to be available so we can expose that business logic as

some form of REST services using the Web Handler approach (no JSDO catalog).

The workshop will cover the following topics:

- create the service interface to expose the business logic (web handler)
- create a simple 'single page' web application that consume those business logic services (base data services implementing basic CRUD functionality)
- walk through the most common controls provided by PrimeNG
- create some common web forms: search page, detail page, etc.
- basic angular routing/navigation
- create reusable components and services to avoid code duplication and speed up development

The workshop will not cover:

- installing/configuration of OE components
- rest services security (authentication/authorisation)
- actual business logic/data access layer implementation/framework

Participants will have to bring their own computers for the workshop.

Participants need to have installed already:

- OE development environment (PSDOE preferred), some RDBMS product and PASOE
- node.js - <https://nodejs.org/en/>, latest long term support will do just fine
- Angular CLI - <https://cli.angular.io>
- Visual Studio Code (optional) - <https://code.visualstudio.com>

For the workshop we will need a running PASOE instance setup with a sports2000 database and optionally another instance setup with a custom database/business logic if they will like to attempt the same approach on a real application.

Speakers:

Radu Nicoara, Consultant / Developer, Consultingwerk Software Services Ltd.



Radu Nicoara has been using OpenEdge for about 5 years. He has several years of experience in Angular, NativeScript and node.js. In his role as a Developer with Consultingwerk, he developed the SmartComponent Library for Angular and NativeScript. As a Consultant, he supports customers, offers consultation for web and mobile architecture and provides training and mentoring services.

Marian Edu, Owner, Acorn IT



Working with Progress technologies most of my professional career there is still plenty of room to make progress.

Application architecture, data and application integration, as well as consulting and bespoke software, are still what keeps me busy most of the time although very much enjoying product development.