Updated on 29/11/2023

Sign up

ELM Training
1 day (7 hours)

Presentation

A language we Elm!

You're a back-end developer in a great functional language and you'd like to offer your users a (pretty?) graphical interface? But maybe...

- Are you afraid of Javascript?
- lost in the thousands of ways to do React?
- Do you consider CSS to be black magic?

This workshop introduces you to Elm, an "exquisite language for reliable web apps". Come and discover :

- its compiler, which will help you progress easily!
- ? the simplicity of its type system, turning your code into a Lego game?
- ? how to manage style simply?

Objectives

- Discover the Elm language, its syntax and special features
- Develop a graphical interface using composition via the type system
- Discover how to structure communications between client and server (backend)

Target audience

Backend developers

Prerequisites

Basic knowledge of Scala or any other functional language.

ELM Training Program

Language discovery Adding

features

Style options

- Classic CSS
- elm-css
- elm-css with Tailwind
- CSS-free solution with elm-ui

Building a graphical interface from A to Z Communicating

with the server

- Writing "decoders" by hand
- Automatically generate types and decoders from Scala code

Communication with Javascript

- The ports
- Custom elements

Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.