# Introduction to Solid.js framework

Course code: JS_SOLID1

This course is designed for intermediate JS programmers who want to learn how to create front-end applications using the SolidJS framework. Participants will learn about presenting data, working with forms, and communicating with the backend, all using the components, signals, and effects provided by the SolidJS library. The course assumes knowledge of the DOM object model in the browser at the course level [JS_DOM1] and moderately advanced knowledge of JavaScript at the course level [JS_PROG2].

## For whom the course is intended

- This course is designed for intermediate JS programmers

## What we will teach you

- Build a simple SOLID application
- Make application components work together and share state
- Use signals, effects and memes
- Interact with the user
- Interact with the backend.

## Required input knowledge

- JavaScript at course level [JS_PROG2]
- Course-level knowledge of how the DOM works in a browser [JS_DOM1]

## Course outline

Introduction

- What is solid
- Development environment
- Hello World
- Project structure

Data presentation

- Show
- Switch / Match
- Dynamic
- For
- Index
- Portal
- CSS styles and classes

Components

- Component targeting
- Lifecycles
- Collaboration and state sharing

Events, signals and status management

- Interaction with the user
- Signals
- Derived signals
- Effects
- Mema
- Store

Backend communication and asynchronous functions

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