



Arrow ECS Finland Oy - Education Services

## TRAINING OFFERING

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# IBM SPM Design System for Developers

CODE:	LENGTH:	PRICE:
9D80G	16 Hours (2 days)	€1,560.00

## Description

The SPM Design System is built specifically to help create government web applications to the highest usability and accessibility standards. The Design System includes best practices, design principles, imagery, and brand style. Developers need a practical understanding of the SPM Design System so that they can develop high-quality web applications for citizens and other users. During the course, learners will install the SPM Design System, set up the development environment, develop pages using Design System components, integrate with the Cúram SPM server, and test their pages. At the beginning of the course, learners will review the main third-party technologies that are used during the course.

If you are enrolling in a Self Paced Virtual Classroom or Web Based Training course, before you enroll, please review the Self-Paced Virtual Classes and Web-Based Training Classes on our Terms and Conditions page, as well as the system requirements, to ensure that your system meets the minimum requirements for this course. <http://www.ibm.com/training/terms>

## Objectives

After completing the course, learners will be able to:

- Describe the purpose of the web app development technologies and tools that are used on the course
- Outline the technical foundation of the IBM SPM Design System
- Install the Design System and configure the development tools
- Implement pages using Design System components
- Configure the theme and style of pages
- Use a JSON server to simulate server interactions via a REST API
- Access a REST API on a Cúram Server
- Write simple unit tests for a component
- Troubleshoot page errors using the IDE debugger and browser tools
- List considerations for adding custom and third-party components
- List useful resources for front-end development

## Audience

This course is intended primarily for developers and technical architects who will work on IBM Cúram implementation projects that use the SPM Design System. This course is also useful for testers and support staff who will work with the SPM Design System.

## Prerequisites

Learners must complete the following course before taking this course:

- *IBM SPM Design System for Designers (9D79G)*

In addition, learners must have some experience of using the following technologies:

- HTML, CSS, JavaScript (ES6)
- JSX and React

## Programme

The course covers the following topics:

- Review of the tools and technologies for front-end development

- Developing pages using SPM Design System components
- Integrating using REST APIs
- Unit testing

## Further Information

This course provides learners with a technical understanding of the IBM Social Program Management (SPM) Design System and how it can be used to develop responsive web applications. Approximately 70% of the time is spent completing practical exercises. At the end of the course learners will implement a prototype solution for the user experience they sketched in the pre-requisite course: *IBM SPM Design System for Designers (9D79G)*.

Prior to enrolling, IBM Employees must follow their Division/Department processes to obtain approval to attend this public training class. Failure to follow Division/Department approval processes may result in the IBM Employee being personally responsible for the class charges.

GBS practitioners that use the EViTA system for requesting external training should use that same process for this course. Go to the EViTA site to start this process:

<http://w3.ibm.com/services/gbs/evita/BCSVTEurl.nsf>

Once you enroll in a GTP class, you will receive a confirmation letter that should show:

- The current GTP list price
- The 20% discounted price available to IBMers. This is the price you will be invoiced for the class.

## Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
04 Feb 2023			English	Self Paced Training		€1,410.00

## Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)