

# ARCGIS ARCOBJECTS AND VISUAL STUDIO

## ONLINE TRAINING

HTML



CSS



JS



HTML







## METHODOLOGY

Enrolled students in this online course will have access to our virtual e-learning platform (which is available 24 hours), where they will find the content of the course, practical exercises, forum discussion and additional content. One of the advantages of this online platform, is that students can benefit of real time support and assistance offered by the instructor (2 hours per week), whom they can contact via direct messages, regarding course related issues, at any moment. They can also contact the instructor via email.

## PERFILES



The course is aimed at professionals of the GIS world who, with knowledge or not of programming, want to know all the possibilities that programming with HTML5 offers.

## INSTRUCTORS



### Chencho Martín Lagunas

GIS Developer with extensive experience in Full-Stack software development, specialized in GIS data analysis and pre-processing using Python.



### Alberto Santos Estévez

Consultant and Geospatial Developer with more than 15 years' experience in GIS integrated solutions and high performance systems.





## INTRODUCTION TO HTML5 PROGRAMMING LANGUAGE

### HTML PROGRAMMING LANGUAGE - HISTORY AND EVOLUTION; HTML5 NEW CHARACTERISTICS

Improvements brought by HTML5 version - compared with the previous ones

Declaration <doctype>

Structural Semantics

Browser support for HTML5

Practical exercise 1: HTML5 semantic markup

Practical exercise 2: How to embed audio and video files?

Practical exercise 3: Using Modernizr

<!DOCTYPE 5 html>

## CANVAS API

Introduction to Canvas API

Drawing elements/objects into a canvas

Effects that can be developed/embedded

Including images onto canvas

Use of Canvas API as part as GIS commercials

Practical exercise 4: How to draw with the Canvas API?

Practical exercise 5: Working with text on the canvas.

Practical exercise 6: Include and use images on the canvas.

## GEOLOCATION API

Introduction to Geolocation API

How to use the API?

Capabilities and functionalities of Geolocation API

Build a Geolocation API

Practical exercise 7: How to use the Geolocation API?

## FORMS CREATION, STORE DATA LOCALLY, DRAG AND DROP FUNCTION

Forms creation

Autocomplete attribute

Autofocus attribute

Date selection

Validation

Store data locally

How to implement Drag and Drop function

Practical exercise 8: HTML5 forms



## INTRODUCTION TO CSS3 SYMBOLOGY

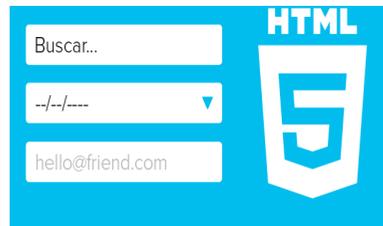
CSS3 Definition

Schedule Template in CSS

CSS Status

Symbology types: colors, gradients, etc.

News



## INTEGRATE HTML5 WITH JAVASCRIPT API FOR ARCGIS SERVER

Geolocation API integration with the ArcGIS Server API

How to drag and drop CSV files into the Map. Example

Bookmarks in local storage. Example

Feature Collection in local storage. Example

Using Canvas with Raster Layer. Example

Cross-Origin. Example





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