

## Java-less Android Development. Apache Cordova Project (formerly PhoneGap) (code: ANDROID-CORDOVA)

### Overview

So-called **hybrid mobile applications** are created using web technologies (HTML, CSS and JavaScript) and wrapped in a special container which makes them indistinguishable, for a typical user, from native applications. Many applications and games known from Google Play are hybrid applications.

Participants in this course will learn how to use their knowledge of web technologies to create hybrid applications which use all the hardware (compass, accelerometer, video camera and more) and software (notifications, filesystem access, contact lists etc.) capabilities available on Android devices. In order to achieve these goals, *Apache Cordova* project will be used.

*Apache Cordova* (previously known as *PhoneGap* and later *Callback*) is a framework that allows developing applications for various mobile environments. After this course, the participants will easily use it to create not only Android applications, but also applications for iPhones, Blackberries, Nokia and Windows 7 devices.

### Duration

1 day

### Agenda

1. Apache Cordova architecture
  - usage patterns, JavaScript in a website compared to JavaScript in an application;
  - available subset of web standards;
  - an overview of special capabilities:
    - notifications, menu,
    - sensors: compass, accelerometer,
    - GPS,
    - local filesystem, local database,
    - handling media: video camera, playing sound and movies,
    - reading and modifying the contact list;
  - how to best create GUI, JQuery Mobile.
2. Android development framework
  - Eclipse, SDK and ADT;
  - Permissions, application manifest;
  - Graphical resources;
  - deploying and testing: emulators, physical devices;
  - signing and distributing applications.

### Target audience and prerequisites

The course is designed for advanced web front-end developers, who are fluent in HTML, CSS and JavaScript. **Not required** is any familiarity with any mobile technologies, Java, the Eclipse environment etc.

### Certificates

#### Ask for details

Phone +44 203 608 6289

info@alx.training

Course participants receive completion certificates signed by ALX.

## Locations

- Warsaw (English) – Jasna 14/16A
- Online (English) – your home, office or wherever you want
- any other location (London, UK, EU) on request

## Ask for details

Phone +44 203 608 6289  
info@alx.training

## Price

590 EUR

The price includes:

- course materials,
- snacks, coffee, tea and soft drinks,
- course completion certificate,
- one-time consultation with the instructor after course completion.