

# Building Apps with PhoneGap



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## Building Apps with PhoneGap

This course is entirely based around hands-on exercises, building at least one complete app each day. No coding experience is required, and this content is especially good for people wanting a minimum amount of coding. Content break down along these lines

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The course runs from 9.30 am to approximately 4.30 pm.

Duration 5 days

### Day 1

#### What's involved in App creation

- Computer requirements
- Free tools
- developer accounts (free and otherwise)
- specific issues for iPad/iPhone apps

Understanding App design

- Basics of good App interface design
- Using freely available designs
- Making it obvious how to use an app

Scary code stuff

- Just enough html, css and JavaScript to know whats going on
  - The work-flow from design to app
  - Putting together a sample app
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### Day 2

#### App Configuration

- Deciding what permissions an app will need
  - Providing the bits and bobs needed for app stores
- Cross-Platform apps
- How apps work on small, medium and big screens
  - Making an adaptive app (responsive design)
  - Free ways to test that the app works across devices
  - testing on real devices
  - the design assets needed for platforms and screen sizes

Building a Sample App

- put together a non-trivial app
- a bit more scary code (made less scary)
- Ways to make the workflow smoother

### Day 3

#### Testing

- Getting user feedback
- Testing to check things work as expected
- Automating the tests

App Architecture

- making it easier to adapt and modify the app
- re-using bits of the app in several places
- Getting the right design assets to make things easy

Building a serious app

- this time, we build an app which could have a life
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### Day 4

#### Data

- Getting information from the user
- Getting information from your own data set
- Passing data into and out of the app

Research

- implementing research needs into an app
- structuring the research data to fit the app
- dealing with online/offline issues

A Research app

- This app should be close to what you'll actually be building
- designing a logical flow through an app

"A highly professional company run by knowledgeable, friendly people"



# Building Apps with PhoneGap

Our bespoke onsite courses run from 9:30am to 4:30pm with an hour for lunch. The trainer will arrive in time to check and help with your set up. If you need to amend these timings just let us know in advance and we will work around what suits you.

## Day 5

### Unavoidable Code

- There's some coding we just can't ignore.... here it is
- ... but always with an eye on simplicity and re-useability

### Reporting

- how the app can feed back to the user
- how the research data could be displayed

### Security and privacy

- making sure basic security is in place
- security requirements for app stores

### Roll-out and ongoing updates

- publishing and launching an app
- how to roll out fixes and updates

### A polished app

- bringing together all the ideas above
- incorporating design best practice