

Vodacom Developers Days

Android Live Wallpaper - Live Wallpaper (with Admob Adverts)

Android Live Wallpaper for beginners and intermediate
from installation of IDE
to Advert Integration.

Course Facilitators:

David Vannucci, Partner, Appceptional
Warren Hodgkinson, Partner, Appceptional

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CONTENTS

1 Content overview

This fundamental course gives a technical overview of the Android Eclipse integrated development environment used worldwide for java application creation, Java's principles and design patterns governing creation of applications suitable for mobile devices. It aims to give participants a basic grasp of the processes and techniques intrinsic to mobile application development as well as techniques to provide participants with immediate usable knowledge.

The course is presented as the Vodacom developers module within an overall framework for mobile application development and marketplace publishing. Issues examined include: the Eclipse integrated development environment, Mobile formatted artwork; Application signing; Application side loading onto mobile devices, and Admob advert integration.

2 Session Summary

	Time	Topic	Presenter
Saturday			
1	09:00-09:30	Greet and Seat	
2	9:30-9:35	Introduction to Dev Days, Electrical Eng.	David Vannucci, Prof Barry Dwolatzky
3	9:35-9:45	Appceptional Company Profile	David Vannucci
4	9:45-10:45	Vodacom Developer, IDE, Tutorial Wallpaper	David Vannucci and Warren Hodgkinson
5	10:15-10:45	Tea Break	
6	10:45-12:00	Tutorial modification, Android internals	David Vannucci and Warren Hodgkinson
9	12:00-12:45	Lunch	Sponsors
10	13:00-14:00	Networking, Interface Layout	David Vannucci and Warren Hodgkinson
11	14:00-14:15	Tea Break	
12	14:15-15:30	Admob integration and Vodacom Store	David Vannucci and Warren Hodgkinson
11	15:30-16:00	Closing	

3 Course Outcomes

On completion of this course, participants will be able to:

- Conceptualise an Android Live Wallpaper application;
- Compile an application for Android;

- Use Third Party APIs in ones applications;
- Sign ones application;
- Place an application on the Vodacom marketplace;

4 Recommended Readings

The following readings are recommended for the course and you are required to familiarise yourself with the content before commencement of the module.

- Building your first App
<http://developer.android.com/training/basics/firstapp/index.html>

- Register as a Vodacom Developer

Register as a Vodacom Developer follow the link <http://www.vodacom.co.za/developer> and click 'Stage1 : Click here to register as a Vodacom developer'.

5 Course Material

Material may be distributed by e-mail as updates, pre and post commencement of the course. The remaining material is included as an online electronic course pack.

- Eclipse Indigo, Android SDK.
- www.appceptional.co.za for electronic course pack, available on commencement.

6 Participant Prerequisites

Participants are assumed to be familiar with the java programming language.



Each participant is expected to have their own stationary for taking notes.

7 Preparation Requirements

Participants are expected to register as a Vodacom Developer.

No additional preparation is required prior commencement of the course.

9 Information on Content Sessions

Presenter	David Vannucci, Warren Hodgkinson
	<p>Dr David Vannucci is a telecommunications engineer and partner of Appceptional. David was previously a sessional lecturer during his PhD studies at the University of the Witwatersrand, for Masters level telecommunications topics such as Access Networks, and Integrated Digital Communication, as well as a consulting lecturer for the Vodacom Young Achievers programme. David is interested in mobile and telecoms services.</p>
	<p>Warren Hodgkinson is a computer scientist and a partner of Appceptional. Warren has a Master's degree in Computer Science from the University of Johannesburg. He has been consulting in industry on customised hardware and software for over 6 years, providing cost effective development solutions and maintenance of international systems. Warren is interested in mobile services, web servers and databases.</p>