

Vodacom Developers Days

Black Berry - Java Mobile for Black Berry from start to finish (Twitter Client)

Black Berry for beginners and intermediate from installation of IDE
to Market Place packaging.

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 Black Berry integrated development environment used worldwide for java mobile 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 Black Berry integrated development environment, Mobile formatted artwork; Application signing; Application side loading onto mobile devices, and Market Place considerations and requirements.

2 Session Summary

	Time	Topic	Presenter
Saturday			
1	09:00-09:30	Greet and Seat	
2	9:30-9:35	Introduction to Dev Days	David Vannucci
3	9:35-9:45	Appceptional Company Profile	David Vannucci
4	9:45-10:45	Black Berry developers account	David Vannucci and Warren Hodgkinson
5	10:15-10:45	Tea Break	
6	10:45-12:00	IDE, Hello World	David Vannucci and Warren Hodgkinson
9	12:00-12:45	Lunch	Sponsors
10	13:00-14:00	Networking, User Interface	David Vannucci and Warren Hodgkinson
11	14:00-14:15	Tea Break	
12	14:15-15:30	Twitter Client, Marketplace	David Vannucci and Warren Hodgkinson
11	15:30-16:00	Draw & Closing	

3 Course Outcomes

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

- Conceptualise applications formatted for BlackBerry;
- Compile an application for Black Berry;
- Use Third Party APIs in ones applications;

- Sign ones application;
- Place an application on the Black Berry 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.

- Black Berry best practices
https://bdsc.webapps.blackberry.com/java/documentation/ww_bplp.html

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 3.6, BlackBerry Plug-in for Eclipse 1.5 and the BlackBerry 7.0 SDK (<https://bdsc.webapps.blackberry.com/java/download/eclipse>) provided on day.
- 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. Participants must have their own notebook, which is able to connect to a WiFi network and Internet. A Black Berry phone is optional. **Each participant is expected to have their own stationary for taking notes, and Multiplug for power.**

7 Preparation Requirements

No additional preparation is required prior commencement of the course.

9 Information on Content Sessions

Presenter	David Vannucci, Warren Hodgkinson
Outcomes	Participants will be able to: <ul style="list-style-type: none"> • install the latest Black Berry IDE; • sign application packages; • integrate third party interfaces; • create a user interface using Black Berry styling. • prepare an application for Black Berry marketplace.
	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.
	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.