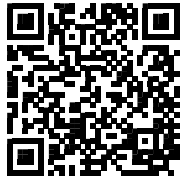




BlackBerry® 10 Applications developed by ekke:

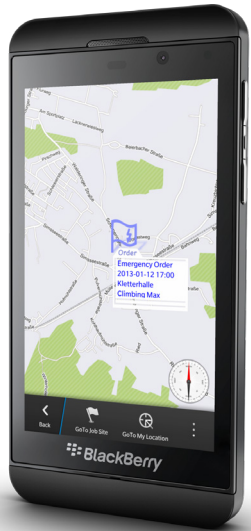
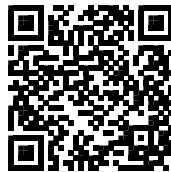
OpenDataSpace

Built for
BlackBerry
Available at BlackBerry World™
OpenSource at <https://github.com/blackberry/opendataspace-cascades>
Cascades Client for Cloud Service
OpenDataSpace (2 GB + 5 Users FREE)



ekkes TeaTimer

Available at BlackBerry World™
<http://j.mp/teatimer-behind-scenes>
More then a TeaTimer: BBM™, Remember, Foursquare... integrated



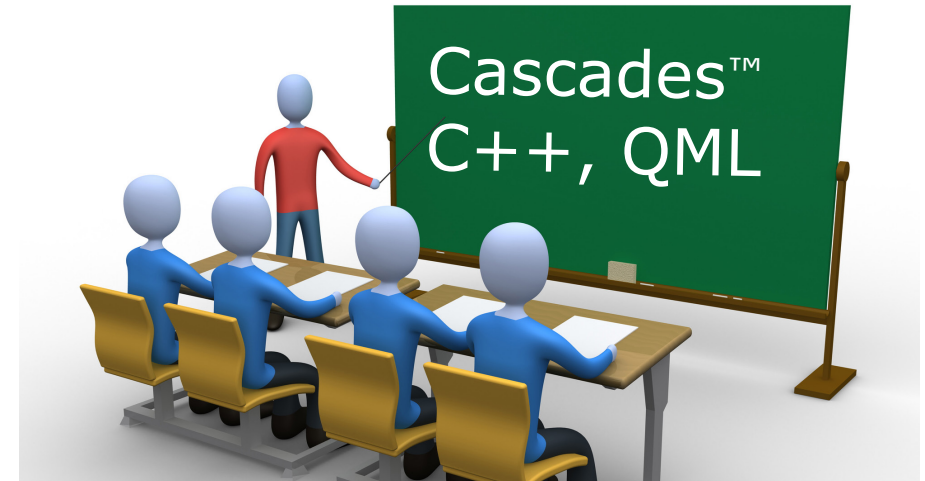
SerCar10

Soon available at BlackBerry World™
<http://sercar10.com>
Modular ERP2Go Application Family for Service Companies to manage Orders, Dispatching, Service Cars and more

Twitter: @ekkescorner MailTo: ekke@ekkes-corner.org +49 8032 2068325
(c) 2013 Ekkehard Gentz, Max-Josefs-Platz 30, 83022 Rosenheim

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Master BlackBerry® 10 native Development



Cascades™ Workshops

by ekke (Ekkehard Gentz)

BlackBerryElite*

Next Training in Rosenheim

Basic Workshop:	2013-04-15...17	1.500 €
Expert Workshop:	2013-04-18...19	1.200 €
http://j.mp/cascades-training		



Basic + Expert 5 days ~~2.700 €~~
2.500 €

All prices plus 19 % VAT.

Basic Workshop – Day 1

Setup and Intro

- Native Cascades SDK
- Simulator
- Code Signing Keys
- Devices – Debug Tokens
- PhotoShop PlugIn

Momentics IDE

- Wizards
- important Views
- Preferences
- HowTo work with (compared with Eclipse Java IDE)
- Cascades Project Structure

File Structure

- Sandbox, Shared ...
- Runtime vs Debugging
- copy to/from while development

IDE and SDK

- HowTo deal with GOLD and BETA IDE Versions
- different SDKs (whats the right target ?)

Cascades UI / UX Guidelines

- first overview (more details in the Experts Workshop)

Introduction Frameworks and Language

- C++, Qt
- Cascades
- QML, Javascript

Introduction Cascades UI

- Core Components
- Panes (Tabbed, Navigation)
- Pages and Sheets

Hurra: the first APP

- Project Wizards
- Build and Run
- Verify what we learned before
- From Photoshop to Cascades

Developer Support

- Cascades Forum
- Twitter

Good to know (Samples and more)

- Cascades / Community / Qt Samples at GitHub
- HowTo use the OSS Samples in Momentics IDE

Logging and SSH Console

Coming from Java

- for Android Developers
- for BlackBerry OS 7 Developers

Discussion

Basic Workshop – Day 2

Designing a Cascades Application

- Navigation and Layout
- UI Elements
- Icons, Images
- Application Menu
- Covers (minimized View)
- Functions

Screen Sizes and Orientation

- Z10 APPs (768x1280) Landscape / Portrait
- Q10 APPs (720x720)
- Keyboard handling (virtual, physical)

Release Management

- different Screensizes
- Touch and Keyboard Devices
- Asset Management
- different releases (10.0, 10.1, Beta, ...)
- Git Branching Models

We create a Cascades Application

- Manifest, Permissions
- Theming (light vs dark)
- Actions, Titlebar

- Pages
- attached Objects
- NavigationPane (Stack of Pages)
- TabbedPane (TABs)
- Sheets
- Orientation Support (Portrait, Landscape)
- Application Menu (Help, Settings, Feedback and more)
- ListView
- Text, Labels
- Images, ImageTracker
- Picker

Deploying, Running, Testing the APP

- Simulator
- real Devices

BlackBerry FLOW

- Peek or not to peek

Animations

- implicit, explicit
- transformations, fading
- sequential, parallel
- in the background ?

Touch and Gestures

- Events

Developing Crossplatform

- Android 4 Navigation concept vs. BlackBerry 10

Discussion

Basic Workshop – Day 3

QML vs C++

- C++ -> QML
- QML -> C++

Qt Goodies

- Signals and Slots – the way to connect objects
- Settings
- Singletons
- Files
- Parents
- ENUMs

Data Sources + Persistence I

- JSON
- XML

ListView

- Standard, Customized
- Context
- Multiselection
- Access data and functions

GroupedDataModel

- QML vs C++
- DataBinding
- CRUD and where are my (Java) Beans ?
- dynamically change Propertie Values
- Tip: UUID

Networking I

- HTTP, HTTPS
- request – response – async

Internationalization

- QML, C++
- configuration
- translating / editing

Invocation Framework I

- Overview
- PIM (Calendar, Contacts, Mails)
- Browser
- BlackBerry World
- MediaPlayer
- FilePicker

BlackBerry World

- Vendor Portal
- HowTo Publish APP
- Sandbox

Discussion

Basic Workshop

3 days for beginners

You should have knowledge to develop mobile applications (Android, BlackBerry Java, iOS) but don't need experiences with C++, QML

1.500 €

Experts Workshop

2 days to become an expert

You must have experiences with Cascades and Momentics or attended the Basic Workshop

1.200 €

All prices plus 19 % VAT.

Nightcoding

some hours in the evening with beer or wine and snacks for FREE

If you like to hack some more code and not tired...

Experts Workshop – Day 1

Location Based Services

- BlackBerry Maps
- Custom Maps
- Compass
- Geocoding, reverse Geocoding

WebView

- integrate Websites
- Javascript
- Communication Javascript <-> QML <-> C++
- alternate Maps (Google, Bing, ...)

Sensors of your Z10 or Q10

- Accelerator
- Compass
- Rotation
- Position
- Magnetometer

Camera, Audio, Video

- HowTo integrate
- SystemSounds

NFC

- QML / C++ Samples
- writing to NFC Labels
- reading from NFC Labels

Testdrive

- going out to test our code live (GPS and more)

System Dialogs

- Toasts
- Dialogs
- Credentials
- ProgressDialogs

Invocation Framework II

- using CARDS as client
- providing CARDS as target
- integrating BlackBerry10 Apps (Remember, Browser, ...)
- integrating 3rd party apps (Foursquare, ...)
- BBM Integration

Application Families

- using InvocationFramework to combine Modules or Apps

Tips and Tricks

Discussions

Experts Workshop – Day 2

Built for BlackBerry (BfB)

- Criteria
- Tips HowTo get the Certification
- UI/UX: The Design Guide Lines
- Check our App

Optimizing Apps

- Memory
- Performance
- Size
- Images
- Assets

Dynamic Objects

- create and destroy
- avoid traps
- lazy Initialization

Limits

- Images
- WebView

Networking II

- Upload/Download
- MultiPart File Upload
- Streaming Audio / Video

Data Sources + Persistence II

- SQLite

Notifications

- HowTo notify
- HUB Integration
- in the Background
- Settings
- Clear (manual Exit)

Push Services

- Push Server
- Push Client

Payment Services

- in-app Payments
- Subscription Models

BlackBerry World

- Built for BlackBerry
- Digital Goods

Discussions