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Courses Offered:

➠ **SCJP** ➠ **SCWCD**

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Android

Syllabus

➠ Introduction to Android

➠ Android Overview and History

- How it all got started
- Why Android is different (and important)

➠ Android Stack

- Overview of the stack
- Linux kernel
- Native libraries

- Dalvik

- App framework

- Apps

➠ SDK Overview

- latforms

- Tools

Advanced Android:

➠ Location Services

- Working with the Location Manager
- Working with Google Maps extensions

➠ Services

- Overview of services in Android
- Implementing a Service
- Service lifecycle

➠ Broadcast Receivers

- What are Broadcast Receivers
- Implementing broadcast receiver

➠ Intent Filters

- Role of filters
- Intent-matching rules
- Filters in your manifest

➠ WiFi

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STUDENT BUZZ

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SCJP

SCWCD

CORE JAVA

ADV JAVA

STRUTS

SPRING

HIBERNATE

EJB

- Versions

▸▸ Hello World App

- Creating your first project
- The manifest file
- Layout resource
- Running your app on Emulator

▸▸ Main Building Blocks

- Activities
- Activity lifecycle
- Intents
- Services
- Content Providers
- Broadcast Receivers

▸▸ Basic Android User Interface

- XML versus Java UI
- Views and layouts
- Common UI components
- Handling user events

▸▸ Android system Overview

- Preferences
- Notifications

▸▸ Advanced UI

- Selection components
- Adapters
- Menus and Dialogs
- Animations

▸▸ Multimedia in Android

- Multimedia Supported audio formats
- Simple media playback
- Supported video formats

- Monitoring and managing Internet connectivity
- Managing active connections
- Managing WiFi

▸▸ Camera

- Taking pictures
- Rendering previews

▸▸ Bluetooth

- Controlling local Bluetooth device
- Discovering and bonding with Bluetooth devices
- Managing Bluetooth connections
- Communicating with Bluetooth

Design Patterns

AJAX

XML

WEB SERVICES

- Simple video playback

▶▶ SQL Database

- Introducing SQLite
- SQLiteOpenHelper and creating a database
- Opening and closing a database
- Working with cursors Inserts, updates, and deletes

▶▶ Basic Content Providers

- Content provider MIME types
- Adding, changing, and removing content
- Working with content files