Weekly Plan Kotlin + Java Spring Boot - RESTful API

01 Kotlin + Java Spring Boot – RESTful API

1. Understanding Android with Kotlin

2. Features and benefits of Kotlin

3. Fundamentals of Kotlin

4. Design and layout

5. Gradlle and manifest

Week 1

31

1. Variables

2. Design Controllers, check box, radio button

3. Strings

4. Numbers and Operators

5. Functions with Kotlin

Week 2

03 Kotlin + Java Spring Boot – RESTful API

1. Conditional Logic with Kotlin

2. Tab and Fragment

3. Loops

4. Nullability with Kotlin

5. Classes and Inheritance with Kotlin

Week 3

Kotlin + Java Spring Boot – RESTful API

1. Design Controller Practice

2. Fragment With Tab

3. Drawer

4. Data Binding

Week 4

Kotlin + Java Spring Boot – RESTful API

Practical exam based on
four week learning

Exam

1. Introduction to RESTful Web Services With Spring Boot

2. Initializing a RESTful Web Services

3. Spring Boot Auto Configuration and Dispatcher Servlet

4. Enhancing the Hello World Service with a Path Variable

Week 5

06 Kotlin + Java Spring Boot - RESTful API

1. Implementing the POST Method to create User Resource

2. Implementing Exception Handling- 404 Resource Not Found

3. Implementing Generic Exception Handling for all Resources

4. Implementing DELETE Method to Delete a User Resource

5. Implementing Validations for RESTful Services

6. Implementing HATEOAS for RESTful Services

Week 6

Kotlin + Java Spring Boot - RESTful API

1. Implementing Static Filtering for RESTful Services

2. Implementing Dynamic Filtering for RESTful Services

3. Versioning RESTful Web Services- Basic Approach With URIs

4. Implementing Basic Authentication with Spring Security

5. Connecting RESTful Services to JPA

6. Updating GET Methods on User Resource to Use JPA

7. Updating POST and DELETE methods on User

Week 7

08 Kotlin + Java Spring Boot - RESTful API

1 Deployment, Unit, Postman & Security testing.

Week 8

Kotlin + Java Spring Boot – RESTful API

Practical exam based on four week learning

Exam

09 Kotlin + Java Spring Boot – RESTful API

1 MVVM Architecture

2 Bottom Navigation

3 API Introduction

4 Fragment with Bottom

5 Room DataBase, SQLite Database

Week 09

Kotlin + Java Spring Boot – RESTful API

1 API calling

2 Normal API calling And Practice

3 Intents and Context

4 Activity Lifecycle Overview

5 Shared Preference

6 Data Structure and Simple List View

7 Custom List Adapter

8 View Holder

9 RecyclerView Adapter

Week 10

11 Kotlin + Java Spring Boot - RESTful API

1. RecyclerView Clicks

2. Access Internal Storage, External Storage

3. Run Time Permissions

4. Multipart API

5. Parcelable, Instance State

Week 11

Kotlin + Java Spring Boot – RESTful API

Practical exam based on
complete course **learning**

Exam