MAP-06

Native Application with Android

Research Project Plan – Jetpack Compose

Student:

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 I am going to use **Kotlin official documentation (www.kotlinlang.org)** and official website for **Jetpack Compose(https://developer.android.com/jetpack)**, as well as tutorials from **Udemy** and **LinkedIn** to learn about Kotlin and Jetpack Compose.

I will create a project with Jetpack Compose using Kotlin language, as well as documentation as a reference for both the project and fundamental concepts of Jetpack Compose and basics of Kotlin language.

Week 1 - Kotlin (About 8 hours of tutorials)

1. https://www.linkedin.com/learning/kotlin-essential-training-functions-collections-and-i-o/welcome-to-kotlin-14800824?autoplay=true&u=106240434 (Until Section Six - 4h)
2. https://kotlinlang.org/docs/getting-started.html (Kotlin Basics and Concepts)
3. https://www.udemy.com/course/kotlin-course (Until Section 11 - 4h)
4. "Kotlin in Action", Dmitry Jemerov, Svetlana Isakova, 2017, Manning Publications Co.

Week 2 and 3 - Jetpack Compose (About 11 hours of tutorial)

5. https://www.udemy.com/course/jetpack-compose-masterclass/ (Until Section 4/ Compose fundamental concepts - 3h 38m)
6. https://developer.android.com/jetpack/compose/tutorial (1h)
7. https://www.udemy.com/course/kotling-android-jetpack-compose-/ (Sections 1, 2, 3, 4, 6, 13, 14, 15 - 6h 15m)

So, I will spend at least 3 hours each day - 1 hour on tutorials and 2 hours for practice/ implementation/ preparation of the documentation. In total I will need 45-50 hours to finish the project.

Additional 3 days to create documentation and presentation slides.

Overall, 24 – 25 days are needed for the project implementation.