IT332: Mobile Application Development

Lecture # 09 : Google Maps & Location - I

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Outline

- Dependencies
- Dependency Scopes
- JARs, Artifacts and Repositories
- What's an Artifact?
- Artifacts and Repositories
- Major Library Families from Google
- Requesting Dependencies
- Configure the Repositories
- Identify the Dependencies and Versions
- Add the Dependencies

Data Persistence

- Persisting data is important in application development because users typically expect to reuse data in the future

- For Android, there are primarily three basic ways of persisting data:

  - A lightweight mechanism known as shared preferences to save small chunks of data

  - Traditional file systems

  - A relational database management system through the support of SQLite databases

- For now, we will discuss the techniques that enable applications to create and access their own private data

Recommended Readings

- Page # 313 to 323, Chapter: Dependencies from The Busy Coder's Guide to Android Development, Final Version by Mark L. Murphy, 2019

- Page # 94 to 98, Chapter # 03: Activities, Fragments, and Intents from Beginning Android Programming with Android Studio, 4th Edition by J. F. DiMarzio, Wrox, 2017

- User Guide: https://developer.android.com/training/notify-user/build-notification

- Creating and Using Fragments at https://guides.codepath.com/android/creating-and-using-fragments