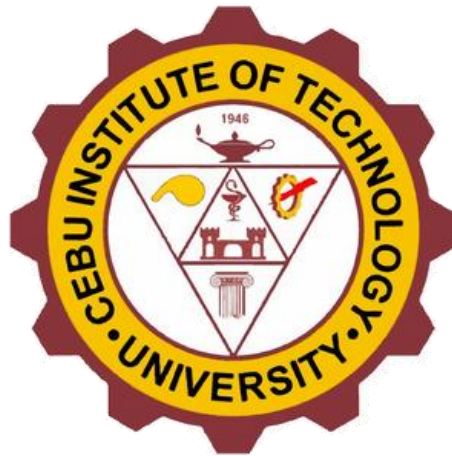# CEBU INSTITUTE OF TECHNOLOGY UNIVERSITY

COLLEGE OF COMPUTER STUDIES

Developer Setup

for

SKyber

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1. Global Requirements

1.1. Prerequisites

- *Git*
- *VS Code / IntelliJ*
- *Spring Boot*
- *Render*
- *Vercel*
- *Android Studios(Ladybug 2024 2.2 Patch 2) / Native Mobile Development*
- *Android Emulator / Physical Android Device*
- *Java version 17+*
- *React*
- *Google Account*
- *Firebase Console*
- *Repository(https://github.com/CIT-Vince/IT342-SKyber.git)*

1.2. Backend Setup

Clone Repository

- git clone https://github.com/CIT-Vince/IT342-SKyber.git
- cd backend

Activate Backend

- With SpringBoot
  - o Dashboard(VS Code extension)
- With terminal
  - o Navigate to directory of SKyberApplication.java
  - o mvn spring-boot:run

1.3. Web Development Setup

Clone Repository

- git clone https://github.com/CIT-Vince/IT342-SKyber.git
- cd backend

Download necessary files for Web development

Install React

- Navigate to frontend_web
- Cd Skyber

- Npm install

Run Web React Application

- Npm run dev

1.4. Mobile Development Setup

Clone Repository

- Open new project with Version Control System
    - Input repository Link
        - https://github.com/CIT-Vince/IT342-SKyber.git
    - With terminal
        - git clone https://github.com/CIT-Vince/IT342-SKyber.git
- Sync with Gradle Files
- Run app with selected emulator / Physical Device

1.5. Database Setup

Create a Firebase Project

- Go to Firebase Console
- Add a project
- Enter Project Name
- Wait for project to be created

Enable Realtime Database

- Firebase Console, go to **Build > Realtime Database**
- Create Database
- Select **Start in test mode** (for dev testing only)

Get Firebase Config Files

- **For Android**
    - In **Project Settings**, under **Your apps**, click **Add app > Android**
    - Register your package name (e.g., com.example.Skyber)
    - Download google-services.json
    - Place it in:
        - android-app/app/google-services.json
- **For SpringBoot**
    - Go to **Project Settings > Service Accounts**
    - Click **Generate new private key** under Admin SDK
    - Download the JSON file (e.g., firebase-service-account.json)

- o Place it in:
    - backend-springboot/src/main/resources/