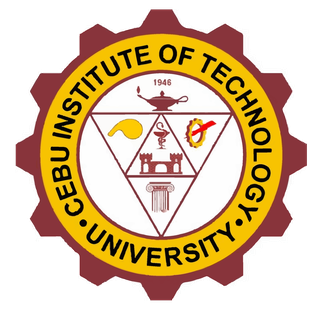
**CEBU INSTITUTE OF TECHNOLOGY**

**UNIVERSITY**

COLLEGE OF COMPUTER STUDIES



Developer Setup

for

SKyber

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# Global Requirements

## 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)*

## Backend Setup

Clone Repository

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

Activate Backend

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

## 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)
  + Place it in:
    - backend-springboot/src/main/resources/