

Campus Lost and Found - Install Guide

Welcome to the Campus Lost and Found installation guide. This document will walk you through the necessary steps to install and run the full-stack project including the web frontend, backend server,

MySQL database, and mobile app.

System Requirements

- Node.js (v18+)
- Java JDK (17+)
- Kotlin and Android Studio (for mobile app)
- MySQL Workbench and MySQL Server
- Git
- IntelliJ IDEA / VSCode

Backend Setup (Spring Boot)

Clone the project repository:

git clone <https://github.com/Dreamzur/Campus-Lost-and-Found>

1. Navigate to the backend folder:
`cd backend`
2. Run Gradle build:
`./gradlew clean build`
3. Start the Spring Boot application:
`./gradlew bootRun`

Ensure your application.properties is correctly configured for your MySQL setup.

Frontend Setup (React + Vite)

1. Navigate to the frontend directory:
`cd frontend`
2. Install dependencies:
`npm install`
`npm install jwt-decode`
3. Start the development server:
`npm run dev`

Ensure Vite and React are configured to talk to the backend API correctly.

MySQL Setup

- Install MySQL Workbench and MySQL Server.
- Create a new database (e.g., campus_lost_and_found).
- Update the backend's application.properties to connect to your MySQL DB.

Example properties:

- spring.datasource.url=jdbc:mysql://localhost:3306/campus_lost_and_found
- spring.datasource.username=yourUsername
- spring.datasource.password=yourPassword

Mobile App Setup (Kotlin/Android)

1. Open the AndroidApp/FIULostAndFoundAndroid directory in Android Studio.
2. Let Gradle sync and resolve dependencies.
3. Connect an Android device or use an emulator.
4. Run the app.

Make sure the mobile app's API base URL matches the backend address.

Final Notes

- Make sure all services are running before interacting with the app.
- Ensure ports do not conflict.
- Check CORS and API endpoint configurations for frontend/backend integration.