

Mapp Project Deployment Manual

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1. Introduction

This manual is intended for system administrators or IT personnel responsible for deploying the software.

2. Prerequisites

- Operating System: Windows 10, macOS, or Linux
- JDK 8 or higher
- Latest version of Android Studio
- Android SDK and related tools

3. Setting Up the Development Environment




1. Download and install [Android Studio](#).
2. Install JDK and ensure the JAVA_HOME environment variable is set correctly.
3. Open Android Studio and configure the SDK, ensuring the latest SDK version and necessary tools are installed.

4. Cloning and Configuring the Project

1. Clone the project repository using Git:

```
git clone https://github.com/htmw/Educators-Assembled.git
```

2. Open the project in Android Studio:

-  Launch Android Studio.
-  Select "Open an existing project".
-  Navigate to the cloned project directory and select it.

3. Configure project dependencies:

- 📄 Open the build.gradle files and ensure all dependencies are correctly configured.
- 📄 Sync the project with Gradle files to download all necessary dependencies.

5. Building and Running the Application

1. Connect an Android device via USB or start an Android emulator.
2. In Android Studio, click the "Run" button or use the shortcut Shift + F10.
3. Select the device/emulator to run the application.
4. Ensure the application builds and runs without errors.

6. Deploying to Google Play

1. Prepare the application for release:
 - o Navigate to Build > Generate Signed Bundle / APK...
 - o Follow the prompts to create a signed APK or App Bundle.
 - o Ensure all release configurations (such as ProGuard rules and signing configurations) are correctly set up.
2. Access Google Play Console:
 - o Sign in to your Google Play Console.
 - o Create a new application or select an existing one.
3. Upload the APK/App Bundle:
 - o Navigate to the "Release" section.
 - o Follow the prompts to upload your signed APK or App Bundle.
 - o Complete the release information and submit your application for review.

7. Troubleshooting

- If you encounter issues building the project, ensure all dependencies are correctly installed and configured.
- Check the Android Studio log for error messages and search for solutions online.
- Ensure your device or emulator is properly set up and recognized by Android Studio.