# Maintenance Guide

**Operating Environment:** Android Studio

* **Required Software and Hardware:**
  + **Operating System:** Windows, macOS, or Linux.
  + **Android Studio Version:** It is recommended to use the latest version.
  + **Android SDK:** Ensure the installation of the appropriate SDK for the target version of the application.
  + **Java Development Kit (JDK):** Install a compatible version of JDK (recommended JDK 11 or above).
* **Additional Requirements:**
  + **Git:** For sharing and updating source code from the repository on GitHub.
  + **Android Device:** For testing and running on a physical device; a device with a compatible version (Android 8.0 or above) is recommended.

**Installation and Operation Instructions:**

1. **Clone the Code from GitHub Repository:**
   * Open Android Studio and select **File > New > Project from Version Control**.
   * Enter the GitHub repository URL and click **Clone**.
2. **Setting Up a Physical Device for Testing (Alternatively, use Android Studio Emulator):**
   * Connect the Android device to your computer using a USB cable.
   * Enable Developer Mode on the device:
     + Go to **Settings > About phone**.
     + Tap **Build number** 7-10 times until you see a message that Developer Mode is enabled.
   * Enable USB Debugging:
     + Go to **Settings > Developer options** and enable **USB Debugging**.
     + Set **Default USB configuration** to **Charging phone only**.
3. **Running the Application:**
   * Ensure the device is connected and appears as an option for running in Android Studio.
   * Click the **Run** button and select the physical device or emulator.