# MediAid Project – Clone & Run Guide (Stable Version)

Author: MediAid Team

Last Updated: August 02, 2025

## Purpose

This document ensures the MediAid JavaFX project runs immediately after cloning or resetting the repository. It captures IntelliJ and VS Code setup steps, required VM options, library linking, and diagnostics.

## 📁 Project Structure After Clone

MediAid/  
├── lib/  
│ ├── javafx.base.jar  
│ ├── javafx.controls.jar  
│ ├── javafx.fxml.jar  
│ ├── javafx.graphics.jar  
│ ├── javafx.media.jar  
│ ├── javafx.swing.jar  
│ ├── javafx.web.jar  
│ ├── javafx-swt.jar  
│ └── bin/  
│ ├── prism\_sw.dll  
│ ├── glass.dll  
│ └── (other DLLs)  
├── src/  
│ └── mediAid/  
│ ├── Main.java  
│ └── ...  
├── classes/  
├── .vscode/  
│ └── launch.json  
└── README.md

## 🚀 IntelliJ Setup Checklist

- Open the MediAid folder using File > Open.

- Delete `.idea/` and `.iml` files if IntelliJ prompts with a broken project structure.

- Mark `src/` as `Sources Root` (right-click > Mark as).

- Open Project Structure (Ctrl+Alt+Shift+S):

• Add all `lib/\*.jar` files under Libraries.

• Add `lib/bin/` manually via `-Djava.library.path=lib/bin`.

• Set SDK to Eclipse Temurin JDK 21.

## 🛠 IntelliJ VM Options (copy-paste)

--module-path lib   
--add-modules javafx.controls,javafx.fxml   
-classpath classes/production/Ma   
-Dprism.order=sw   
-Djava.library.path=lib/bin

## 📦 Run Configuration Fix

- In Edit Configurations > Use classpath of module → set to `MediAid`, not `Ma`.

- Main class: `mediAid.Main`

## 💻 VS Code Launch.json

{  
 "version": "0.2.0",  
 "configurations": [  
 {  
 "type": "java",  
 "name": "Launch MediAid (JavaFX)",  
 "request": "launch",  
 "mainClass": "mediAid.Main",  
 "vmArgs": "--module-path lib --add-modules javafx.controls,javafx.fxml -Dprism.order=sw -Djava.library.path=lib/bin"  
 }  
 ]  
}

## ❗ Common Issues After Clone

- `Main not found`: You must reselect the correct IntelliJ module.

- `JavaFX runtime components missing`: You forgot `--module-path` or `--add-modules`.

- `No suitable pipeline found`: You're missing `-Djava.library.path=lib/bin` or native `.dll` files.

Once this guide is followed, the GUI should display immediately.