MediAid Project – Phase 1 Terminal-Based Report

# Objective:

To set up the full Java + JavaFX development environment for MediAid using VS Code, GitHub, and Git Bash with clean structure and commits.

# Phase 1: Full Process Summary (Terminal Driven)

## 1. Java & JavaFX Setup

- Downloaded JDK 21 and extracted to: C:\Java\jdk-21

- Set JAVA\_HOME environment variable manually

- Downloaded JavaFX SDK 21

- Removed unnecessary folders (`bin`, `legal`, etc.) from JavaFX SDK

- Moved only the .jar files into: lib/javafx-sdk-21/lib

## 2. VS Code Environment

- Installed Java Extension Pack from VS Code marketplace

- Switched terminal default to Git Bash (user preference)

- Verified Java and Git installations using terminal:

java -version  
 git --version

## 3. Folder & File Structure (Created Using Git Bash)

In Git Bash, ran the following commands:

mkdir MediAid  
cd MediAid  
mkdir -p src/main/java/mediAid  
mkdir lib  
touch README.md .gitignore  
cd src/main/java/mediAid  
touch Main.java

## 4. Git Initialization & GitHub Link

Ran the following Git commands in terminal:

git init  
git remote add origin https://github.com/istiyaq241/MediAid.git  
git add .  
git commit -m "Initial commit"  
git branch -M main  
git push -u origin main

## 5. JavaFX Build Configuration (Terminal + VS Code)

- Used Git Bash to create .vscode/ directory: mkdir .vscode

- Created tasks.json to compile with JavaFX

- Created launch.json to run JavaFX Main.java

## 6. First Successful Run

- Launched JavaFX GUI and confirmed window appeared

- Committed and pushed all build/run files to GitHub:

git add .  
git commit -m "1st successful output........yeeaaaaaaaas"  
git push

# Problems Faced & Solved

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| Issue | Solution |
| Git not recognized | Added Git to system PATH manually |
| Couldn't navigate to Desktop in Git Bash | Used cd /c/Users/username/OneDrive/Desktop |
| PowerShell echo command failed | Used touch or New-Item in Git Bash |
| JavaFX bin/legal files caused Git warnings | Ignored or removed those files |
| Large DLL file pushed accidentally | Removed from repo and committed clean lib |
| Wanted full Git sync after every step | Added structured git add/commit/push after each step |