# ***Error Documentation:***

Error 1 :

Github error   
git --no-optional-locks -c color.branch=false -c color.diff=false -c color.status=false -c diff.mnemonicprefix=false -c core.quotepath=false -c credential.helper=sourcetree push -v --tags origin refs/heads/main:refs/heads/main

Pushing to https://github.com/daksh1993/FinalYearProject.git

remote: Invalid username or password.

fatal: Authentication failed for 'https://github.com/daksh1993/FinalYearProject.git/'

Pushing to https://github.com/daksh1993/FinalYearProject.git

remote: Invalid username or password.

fatal: Authentication failed for 'https://github.com/daksh1993/FinalYearProject.git/'

Pushing to https://github.com/daksh1993/FinalYearProject.git

remote: Invalid username or password.

fatal: Authentication failed for 'https://github.com/daksh1993/FinalYearProject.git/'

Pushing to https://github.com/daksh1993/FinalYearProject.git

remote: Invalid username or password.

fatal: Authentication failed for 'https://github.com/daksh1993/FinalYearProject.git/'

Completed with errors, see above

Solution :

**Steps:**

1. Go to [GitHub Personal Access Tokens](https://github.com/settings/tokens).

2. Click on **“Generate new token” (classic)**.

3. Select the necessary scopes (e.g., repo for full repository access).

4. Generate the token and copy it. Treat it like a password.

Error 2: I have to write “ export PATH="$PATH:/Users/daksh/Flutter/flutter/bin” every time I open and close vscode or new terminal beforee using flutter keyword

Solution :

echo $SHELL

nano ~/.zshrc ( 2. Add the following line to the file)

export PATH="$PATH:/Users/daksh/Flutter/flutter/bin"

Save and close the file (Press CTRL+O, then Enter, and CTRL+X).

source ~/.zshrc

Error 3 :  
Gradle Error :  
FAILURE: Build failed with an exception.

\* Where:

Build file '/Users/daksh/Flutter/Projects/state\_management/android/build.gradle' line: 19

\* What went wrong:

A problem occurred evaluating root project 'android'.

> Could not find method buildTypes() for arguments [build\_ewakrg0rwv7zzmlg1wwdo8aai$\_run\_closure5@7f033bac] on root project 'android' of type org.gradle.api.Project.

\* Try:

> Run with --stacktrace option to get the stack trace.

> Run with --info or --debug option to get more log output.

> Run with --scan to get full insights.

\* Get more help at https://help.gradle.org

BUILD FAILED in 13s

Running Gradle task 'assembleRelease'...                           13.8s

Gradle task assembleRelease failed with exit code 1

daksh@DAKSHs-MacBook-Pro state\_management %

Solution :  
Open the file /Users/daksh/Flutter/Projects/state\_management/android/build.gradle and check for a misplaced buildTypes block.

buildTypes {

release {

shrinkResources true

minifyEnabled true

proguardFiles getDefaultProguardFile('proguard-android-optimize.txt'), 'proguard-rules.pro'

}

}  
  
and  **Sync Gradle**

**Error 3 :**

**Cocoa Pod Not installed or configured Correctly**Launching lib/main.dart on iPhone 16 Pro in debug mode...

Warning: CocoaPods not installed. Skipping pod install.

  CocoaPods is a package manager for iOS or macOS platform code.

  Without CocoaPods, plugins will not work on iOS or macOS.

  For more info, see https://flutter.dev/to/platform-plugins

For installation instructions, see https://guides.cocoapods.org/using/getting-started.html#installation

CocoaPods not installed or not in valid state.

Error launching application on iPhone 16 Pro.

After running the command /usr/bin/arch -arm64e xcrun devicectl list devices --timeout 5 --json-output /var/folders/27/qdyj4xvx1b91v6fygv9q64700000gn/T/flutter\_tools.C94MxZ/core\_devices.oLJ8vx/core\_device\_list.json the file

/var/folders/27/qdyj4xvx1b91v6fygv9q64700000gn/T/flutter\_tools.C94MxZ/core\_devices.oLJ8vx/core\_device\_list.json was expected to exist, but it did not.

The process exited with code 0 and

Stdout:

Devices:

Name             Hostname                                     Identifier                             State         Model

--------------   ------------------------------------------   ------------------------------------   -----------   ----------

DAKSH?s iPhone   00008120-001E30923E69A01E.coredevice.local   13FC1E69-915D-4C73-A30F-37653F156734   unavailable   iPhone15,4

Solution :

This error suggests that your Flutter project is unable to run on the iPhone simulator or device because CocoaPods is not installed or not functioning correctly. CocoaPods is essential for managing iOS dependencies in Flutter projects.

**Steps to Fix the Issue**

Run the following command in your terminal to install CocoaPods:

sudo gem install cocoapods

If you already have it installed, try updating it:

sudo gem update cocoapods

Confirm that CocoaPods is installed by checking its version:

pod --version

If it returns a version number, CocoaPods is installed correctly.

Navigate to your iOS project directory and run:

cd ios

pod install

This will install the required dependencies for your iOS project.

Return to your Flutter project root and run:

flutter clean

flutter pub get

flutter run

If the error persists, ensure proper permissions for the temporary files and CocoaPods cache:

sudo chmod -R 777 /var/folders

**Fix Device Detection**:

It appears the device named DAKSH’s iPhone is detected but unavailable. Ensure:

• The device is unlocked and connected via USB.

• Developer mode is enabled on the device (Settings > Privacy & Security > Developer Mode).

• Trust the computer on the device when prompted.

• Run:

flutter devices

Confirm the device is listed as available.

xcode-select --install

Open your project in Xcode:

open ios/Runner.xcworkspace

**Error 4 :**

This error indicates issues in the build process for your Flutter app targeting an iOS simulator. The “Null check operator used on a null value” and related Xcode build failures need attention.

Error output from Xcode build:

↳

    --- xcodebuild: WARNING: Using the first of multiple matching destinations:

    { platform:iOS Simulator, id:BE9DDA39-8ECA-43A7-97A1-D8A5D599DBC2, OS:18.2, name:iPhone 16 Pro }

    { platform:iOS Simulator, id:BE9DDA39-8ECA-43A7-97A1-D8A5D599DBC2, OS:18.2, name:iPhone 16 Pro }

    \*\* BUILD FAILED \*\*

Xcode's output:

↳

    Writing result bundle at path:

        /var/folders/27/qdyj4xvx1b91v6fygv9q64700000gn/T/flutter\_tools.UgZ94j/flutter\_ios\_build\_temp\_dirqS1BFx/temporary\_xcresult\_bundle

    Unhandled exception:

    Null check operator used on a null value

    #0      Context.embedFlutterFrameworks (file:///Users/dakshrathod/development/flutter/packages/flutter\_tools/bin/xcode\_backend.dart:237:68)

    #1      Context.run (file:///Users/dakshrathod/development/flutter/packages/flutter\_tools/bin/xcode\_backend.dart:61:9)

    #2      main (file:///Users/dakshrathod/development/flutter/packages/flutter\_tools/bin/xcode\_backend.dart:17:5)

    #3      \_delayEntrypointInvocation.<anonymous closure> (dart:isolate-patch/isolate\_patch.dart:295:33)

    #4      \_RawReceivePort.\_handleMessage (dart:isolate-patch/isolate\_patch.dart:184:12)

    Command PhaseScriptExecution failed with a nonzero exit code

    note: Run script build phase 'Thin Binary' will be run during every build because the option to run the script phase "Based on dependency analysis" is

    unchecked. (in target 'Runner' from project 'Runner')

    note: Run script build phase 'Run Script' will be run during every build because the option to run the script phase "Based on dependency analysis" is

    unchecked. (in target 'Runner' from project 'Runner')

Could not build the application for the simulator.

Error launching application on iPhone 16 Pro.

dakshrathod@DAKSHs-MacBook-Pro bite\_of\_south %

Soltion :  
This error indicates issues in the build process for your Flutter app targeting an iOS simulator. The “Null check operator used on a null value” and related Xcode build failures need attention.

Here’s a step-by-step guide to resolve it:

flutter doctor -v

Navigate to the iOS directory and run:

cd ios

pod install

If this fails, try:

pod repo update

pod install

Then return to your Flutter project:

cd ..

Clear any cached build artifacts:

flutter clean

flutter pub get

Then, retry building the project:

flutter run

Fix Xcode Build Settings

Open the iOS project in Xcode:

open ios/Runner.xcworkspace

**Check Build Settings:**

1. Select the **Runner** project.

2. Go to the **Build Phases** tab.

3. Locate the “Run Script” phases (e.g., “Thin Binary” or “Run Script”) and ensure:

• The “Based on dependency analysis” checkbox is checked.

4. Ensure the correct **Development Team** is selected in Signing & Capabilities.

**Simulator Target:**

• Ensure the simulator matches your app’s deployment target (e.g., iOS 18.2).

Ensure Flutter and Xcode are up-to-date:

flutter upgrade

sudo gem install cocoapods

xcode-select --install

The error indicates a Flutter script or dependency issue. Try updating the flutter\_tools:

flutter pub upgrade

If you suspect an issue with a specific dependency, regenerate the Podfile.lock:

cd ios

rm Podfile.lock

pod install

cd ..

flutter clean

flutter run

**7. Test with a Different Simulator**

Sometimes a simulator setup can cause conflicts. Run:

flutter devices

Pick another simulator and specify it explicitly:

flutter run -d <device\_id>

**Errro 4 :**

Command PhaseScriptExecution failed with a nonzero exit code

Solution :

**Validate Podfile**

Go to pod file   
platform :ios, '12.0'

# Add this line to fix potential script issues

ENV['COCOAPODS\_DISABLE\_STATS'] = 'true'  
  
cd ios

pod install

cd ..

flutter run  
  
**Remove Derived Data**

flutter upgrade

flutter pub outdated

flutter pub upgrade

Error 5 :

The error you’re encountering indicates that the default Firebase app hasn’t been initialized before calling Firebase-related functionality.

 [ERROR:flutter/runtime/dart\_vm\_initializer.cc(40)] Unhandled Exception: [core/no-app] No Firebase App '[DEFAULT]' has been created - call Firebase.initializeApp()

#0      MenuProvider.uploadImageToStorage (package:bites\_of\_south/Controller/menu\_provider.dart:55:7)

menu\_provider.dart:55

#1      \_AddItemToMenuScreenState.\_addItemToFirestore (package:bites\_of\_south/View/add\_item\_to\_menu.dart:37:41)

add\_item\_to\_menu.dart:37

#2      \_AddItemToMenuScreenState.build.<anonymous closure> (package:bites\_of\_south/View/add\_item\_to\_menu.dart:143:21)

add\_item\_to\_menu.dart:143

#3      \_InkResponseState.handleTap (package:flutter/src/material/ink\_well.dart:1176:21)

ink\_well.dart:1176

#4      GestureRecognizer.invokeCallback (package:flutter/src/gestures/recognizer.dart:351:24)

recognizer.dart:351

#5      TapGestureRecognizer.handleTapUp (package:flutter/src/gestures/tap.dart:656:11)

tap.dart:656

#6      BaseTapGestureRecognizer.\_checkUp (package:flutter/src/gestures/tap.dart:313:5)

tap.dart:313

#7      BaseTapGestureRecognizer.acceptGesture (package:flutter/src/gestures/tap.dart:283:7)

tap.dart:283

#8      GestureArenaManager.sweep (package:flutter/src/gestures/ar<…>

Solution   
download Flutter configure file

Add Dependencies  
add flutfire configure

In main file import

'package:firebase\_core/firebase\_core.dart';

import 'package:flutter/material.dart';

void main() async {

WidgetsFlutterBinding.ensureInitialized();

await Firebase.initializeApp();

runApp(MyApp());

}

class MyApp extends StatelessWidget {

@override

Widget build(BuildContext context) {

return MaterialApp(

home: MyHomePage(),

);

}

}

Error 6. :  
Launching lib/main.dart on iPhone 16 Plus in debug mode...

Xcode build done.                                           29.3s

Connecting to VM Service at ws://127.0.0.1:49511/3w\_b0l8arY4=/ws

Connected to the VM Service.

════════ Exception caught by widgets library ═══════════════════════════════════

The following ProviderNotFoundException was thrown building Builder:

Error: Could not find the correct Provider<MenuProvider> above this MenuManagementScreen Widget

This happens because you used a `BuildContext` that does not include the provider

of your choice. There are a few common scenarios:

- You added a new provider in your `main.dart` and performed a hot-reload.

  To fix, perform a hot-restart.

- The provider you are trying to read is in a different route.

  Providers are "scoped". So if you insert of provider inside a route, then

  other routes will not be able to access that provider.

- You used a `BuildContext` that is an ancestor of the provider you are trying to read.

  Make sure that MenuManagementScreen is under your MultiProvider/Provider<MenuProvider>.

**Soliution**

**1. Wrap Your App with MultiProvider**

void main() {

runApp(

MultiProvider(

providers: [

ChangeNotifierProvider(create: (\_) => MenuProvider()),

],

child: MyApp(),

),

);

}

class MyApp extends StatelessWidget {

@override

Widget build(BuildContext context) {

return MaterialApp(

title: 'Bites of South',

theme: ThemeData(

primarySwatch: Colors.blue,

),

home: MenuManagementScreen(),

);

}

}

**Error 6**

Reloaded 2 of 890 libraries in 329ms (compile: 46 ms, reload: 128 ms, reassemble: 125 ms).

Restarted application in 508ms.

════════ Exception caught by foundation library ════════════════════════════════

The following assertion was thrown while dispatching notifications for MenuProvider:

setState() or markNeedsBuild() called during build.

This \_InheritedProviderScope<MenuProvider?> widget cannot be marked as needing to build because the framework is already in the process of building widgets. A widget can be marked as needing to be built during the build phase only if one of its ancestors is currently building. This exception is allowed because the framework builds parent widgets before children, which means a dirty descendant will always be built. Otherwise, the framework might not visit this widget during this build phase.

The widget on which setState() or markNeedsBuild() was called was: \_InheritedProviderScope<MenuProvider?>

    value: Instance of 'MenuProvider'

    listening to value

The widget which was currently being built when the offending call was made was: Builder

When the exception was thrown, this was the stack:

#0      Element.markNeedsBuild.<anonymous closure> (package:flutter/src/widgets/framework.dart:5191:9)

#1      Element.markNeedsBuild (package:flutter/src/widgets/framework.dart:5203:6)

#2      \_InheritedProviderScopeElement.markNeedsNotifyDependents (package:provider/src/inherited\_provider.dart:577:5)

#3      ChangeNotifier.notifyListeners (package:flutter/src/foundation/change\_notifier.dart:437:24)

#4      MenuProvider.fetchMenuItems (package:bites\_of\_south/Controller/menu\_provider.dart:19:5)

#5      \_MenuManagementScreenState.initState (package:bites\_of\_south/View/Menu/menu\_management.dart:16:55)

#6      StatefulElement.\_firstBuild (package:flutter/src/widgets/framework.dart:5762:55)

#7      ComponentElement.mount (package:flutter/src/widgets/framework.dart:5607:5)

...     Normal element mounting (24 frames)

#31     Element.inflateWidget (package:flutter/src/widgets/framework.dart:4480:16)

#32     MultiChildRenderObjectElement.inflateWidget (package:flutter/src/widgets/framework.dart:7049:36)

#33     MultiChildRenderObjectElement.mount (package:flutter/src/widgets/framework.dart:7061:32)

...     Normal element mounting (188 frames)

#221    Element.inflateWidget (package:flutter/src/widgets/framework.dart:4480:16)

#222    MultiChildRenderObjectElement.inflateWidget (package:flutter/src/widgets/framework.dart:7049:36)

#223    Element.updateChild (package:flutter/src/widgets/framework.dart:3963:18)

#224    Element.updateChildren (package:flutter/src/widgets/framework.dart:4150:32)

#225    MultiChildRenderObjectElement.update (package:flutter/src/widgets/framework.dart:7074:17)

#226    Element.updateChild (package:flutter/src/widgets/framework.dart:3941:15)

#227    ComponentElement.performRebuild (package:flutter/src/widgets/framework.dart:5656:16)

#228    StatefulElement.performRebuild (package:flutter/src/widgets/framework.dart:5794:11)

#229    Element.rebuild (package:flutter/src/widgets/framework.dart:5347:7)

#230    StatefulElement.update (package:flutter/src/widgets/framework.dart:5817:5)

#231    Element.updateChild (package:flutter/src/widgets/framework.dart:3941:15)

#232    ComponentElement.performRebuild (package:flutter/src/widgets/framework.dart:5656:16)

#233    Element.rebuild (package:flutter/src/widgets/framework.dart:5347:7)

#234    ProxyElement.update (package:flutter/src/widgets/framework.dart:5960:5)

#235    Element.updateChild (package:flutter/src/widgets/framework.dart:3941:15)

#236    ComponentElement.performRebuild (package:flutter/src/widgets/framework.dart:5656:16)

#237    Element.rebuild (package:flutter/src/widgets/framework.dart:5347:7)

#238    ProxyElement.update (package:flutter/src/widgets/framework.dart:5960:5)

#239    \_InheritedNotifierElement.update (package:flutter/src/widgets/inherited\_notifier.dart:112:11)

#240    Element.updateChild (package:flutter/src/widgets/framework.dart:3941:15)

#241    ComponentElement.performRebuild (package:flutter/src/widgets/framework.dart:5656:16)

#242    StatefulElement.performRebuild (package:flutter/src/widgets/framework.dart:5794:11)

#243    Element.rebuild (package:flutter/src/widgets/framework.dart:5347:7)

#244    StatefulElement.update (package:flutter/src/widgets/framework.dart:5817:5)

#245    Element.updateChild (package:flutter/src/widgets/framework.dart:3941:15)

#246    ComponentElement.performRebuild (package:flutter/src/widgets/framework.dart:5656:16)

#247    Element.rebuild (package:flutter/src/widgets/framework.dart:5347:7)

#248    ProxyElement.update (package:flutter/src/widgets/framework.dart:5960:5)

#249    \_InheritedNotifierElement.update (package:flutter/src/widgets/inherited\_notifier.dart:112:11)

#250    Element.updateChild (package:flutter/src/widgets/framework.dart:3941:15)

#251    ComponentElement.performRebuild (package:flutter/src/widgets/framework.dart:5656:16)

#252    StatefulElement.performRebuild (package:flutter/src/widgets/framework.dart:5794:11)

#253    Element.rebuild (package:flutter/src/widgets/framework.dart:5347:7)

#254    StatefulElement.update (package:flutter/src/widgets/framework.dart:5817:5)

#255    Element.updateChild (package:flutter/src/widgets/framework.dart:3941:15)

#256    ComponentElement.performRebuild (package:flutter/src/widgets/framework.dart:5656:16)

#257    StatefulElement.performRebuild (package:flutter/src/widgets/framework.dart:5794:11)

#258    Element.rebuild (package:flutter/src/widgets/framework.dart:5347:7)

#259    StatefulElement.update (package:flutter/src/widgets/framework.dart:5817:5)

#260    Element.updateChild (package:flutter/src/widgets/framework.dart:3941:15)

#261    SingleChildRenderObjectElement.update (package:flutter/src/widgets/framework.dart:6921:14)

#262    Element.updateChild (package:flutter/src/widgets/framework.dart:3941:15)

#263    SingleChildRenderObjectElement.update (package:flutter/src/widgets/framework.dart:6921:14)

#264    Element.updateChild (package:flutter/src/widgets/framework.dart:3941:15)

#265    ComponentElement.performRebuild (package:flutter/src/widgets/framework.dart:5656:16)

#266    Element.rebuild (package:flutter/src/widgets/framework.dart:5347:7)

#267    ProxyElement.update (package:flutter/src/widgets/framework.dart:5960:5)

#268    Element.updateChild (package:flutter/src/widgets/framework.dart:3941:15)

#269    ComponentElement.performRebuild (package:flutter/src/widgets/framework.dart:5656:16)

#270    Element.rebuild (package:flutter/src/widgets/framework.dart:5347:7)

#271    ProxyElement.update (package:flutter/src/widgets/framework.dart:5960:5)

#272    Element.updateChild (package:flutter/src/widgets/framework.dart:3941:15)

#273    ComponentElement.performRebuild (package:flutter/src/widgets/framework.dart:5656:16)

#274    StatefulElement.performRebuild (package:flutter/src/widgets/framework.dart:5794:11)

#275    Element.rebuild (package:flutter/src/widgets/framework.dart:5347:7)

#276    BuildScope.\_tryRebuild (package:flutter/src/widgets/framework.dart:2694:15)

#277    BuildScope.\_flushDirtyElements (package:flutter/src/widgets/framework.dart:2753:11)

#278    BuildOwner.buildScope (package:flutter/src/widgets/framework.dart:3048:18)

#279    WidgetsBinding.drawFrame (package:flutter/src/widgets/binding.dart:1176:21)

#280    RendererBinding.\_handlePersistentFrameCallback (package:flutter/src/rendering/binding.dart:475:5)

#281    SchedulerBinding.\_invokeFrameCallback (package:flutter/src/scheduler/binding.dart:1397:15)

#282    SchedulerBinding.handleDrawFrame (package:flutter/src/scheduler/binding.dart:1318:9)

#283    SchedulerBinding.\_handleDrawFrame (package:flutter/src/scheduler/binding.dart:1176:5)

#284    \_invoke (dart:ui/hooks.dart:312:13)

#285    PlatformDispatcher.\_drawFrame (dart:ui/platform\_dispatcher.dart:427:5)

#286    \_drawFrame (dart:ui/hooks.dart:283:31)

The MenuProvider sending notification was: Instance of 'MenuProvider'

════════════════════════════════════════════════════════════════════════════════

Solution :  
  
The error message indicates that your code is trying to call setState() or notify listeners (notifyListeners()) during the widget build phase, which is not allowed in Flutter. This usually happens when you modify the state of a widget or provider while it’s still being constructed.

The specific issue is caused by calling MenuProvider.fetchMenuItems() in the initState() method of \_MenuManagementScreenState, which is likely triggering a notifyListeners() call during the widget tree’s build phase.

**Fix**

To avoid this, defer calling fetchMenuItems() until after the build phase is complete. You can achieve this by using WidgetsBinding.instance.addPostFrameCallback to delay the call:

@override

void initState() {

super.initState();

// Defer state-changing operation

WidgetsBinding.instance.addPostFrameCallback((\_) {

Provider.of<MenuProvider>(context, listen: false).fetchMenuItems();

});

}  
  
erro 7. :  
The error [firebase\_storage/object-not-found] No object exists at the desired reference occurs when the Firebase Storage path you are trying to upload to or access does not exist.

Restarted application in 417ms.

flutter: Error uploading image: [firebase\_storage/object-not-found] No object exists at the desired reference.

[ERROR:flutter/runtime/dart\_vm\_initializer.cc(40)] Unhandled Exception: [firebase\_storage/object-not-found] No object exists at the desired reference.

#0      MenuProvider.uploadImageToStorage (package:bites\_of\_south/Controller/menu\_provider.dart:55:7)

menu\_provider.dart:55

<asynchronous suspension>

#1      \_AddItemToMenuScreenState.\_addItemToFirestore (package:bites\_of\_south/View/Menu/add\_item\_to\_menu.dart:37:22)

add\_item\_to\_menu.dart:37

<asynchronous suspension>

Solution :

**Check Your Storage Path**

final storageRef = FirebaseStorage.instance.ref().child('menu\_images/$fileName');  
 **Validate the File :**final pickedFile = await ImagePicker().pickImage(source: ImageSource.gallery);

if (pickedFile != null) {

final file = File(pickedFile.path);

await uploadImageToStorage(file);

} else {

print("No file selected");

}  
  
**Handle the Exception in \_addItemToFirestore**

Future<void> \_addItemToFirestore() async {

try {

await Provider.of<MenuProvider>(context, listen: false).uploadImageToStorage(selectedImage);

// Proceed to Firestore upload

} catch (e) {

print('Error in adding item: $e');

// Show error to the user

ScaffoldMessenger.of(context).showSnackBar(SnackBar(content: Text('Failed to add item: $e')));

}

}  
  
error 8. :  
Launching lib/main.dart on sdk gphone64 arm64 in debug mode...

Warning: SDK processing. This version only understands SDK XML versions up to 3 but an SDK XML file of version 4 was encountered. This can happen if you use versions of Android Studio and the command-line tools that were released at different times.

warning: [options] source value 8 is obsolete and will be removed in a future release

warning: [options] target value 8 is obsolete and will be removed in a future release

warning: [options] To suppress warnings about obsolete options, use -Xlint:-options.

3 warnings

FAILURE: Build failed with an exception.

\* What went wrong:

Execution failed for task ':flutter\_plugin\_android\_lifecycle:compileDebugJavaWithJavac'.

> Could not resolve all files for configuration ':flutter\_plugin\_android\_lifecycle:androidJdkImage'.

   > Failed to transform core-for-system-modules.jar to match attributes {artifactType=\_internal\_android\_jdk\_image, org.gradle.libraryelements=jar, org.gradle.usage=java-runtime}.

      > Execution failed for JdkImageTransform: /Users/dakshrathod/Library/Android/sdk/platforms/android-34/core-for-system-modules.jar.

         > Error while executing process /Applications/Android Studio.app/Contents/jbr/Contents/Home/bin/jlink with arguments {--module-path /Users/dakshrathod/.gradle/caches/transforms-3/e50b55b5aae5cf89cf38c93c8ea66e2b/transformed/output/temp/jmod --add-modules java.base --output /Users/dakshrathod/.gradle/caches/transforms-3/e50b55b5aae5cf89cf38c93c8ea66e2b/transformed/output/jdkImage --disable-plugin system-modules}

Error: Gradle task assembleDebug failed with exit code 1

Exited (1).

Solution :  
The error you’re encountering is due to a mismatch between the Android Gradle Plugin (AGP) version and the Java SDK version you are using. This issue occurs when the AGP version is older and doesn’t fully support Java 21.

Here’s how to resolve the issue:

**1. Update Android Gradle Plugin (AGP) Version**

• Open the android/build.gradle file of your Flutter project.

• Locate the dependency for com.android.tools.build:gradle.

• Update its version to at least 8.2.1. For example:

dependencies {

classpath 'com.android.tools.build:gradle:8.2.1'

}

**2. Update Gradle Wrapper**

• Open android/gradle/wrapper/gradle-wrapper.properties.

• Update the distributionUrl to use the latest Gradle version compatible with AGP 8.2.1. For example:

distributionUrl=https\://services.gradle.org/distributions/gradle-8.2.1-all.zip

**3. Downgrade Java SDK Version (Optional)**

If you don’t want to update the AGP version, you can downgrade your Java SDK to version 17 or 19, which are more stable for older AGP versions. To do this:

• Uninstall Java 21.

• Install Java 17 or 19.

• Point your project to use the installed Java version by setting the JAVA\_HOME environment variable:

export JAVA\_HOME=/path/to/your/java/version

export PATH=$JAVA\_HOME/bin:$PATH

**4. Sync and Rebuild the Project**

• Run the following commands in your terminal:

flutter clean

flutter pub get

• Then try building the app again:

flutter run

**5. Additional Debugging**

If the issue persists:

• Open your project in Android Studio.

• Go to **File > Sync Project with Gradle Files**.

• Check if any additional updates or fixes are suggested.

This should resolve the issue. Let me know if you encounter further errors!

Error 9 :  
Your project is configured with Android NDK 26.1.10909125, but the following plugin(s) depend on a different Android NDK version:

- cloud\_firestore requires Android NDK 27.0.12077973

- firebase\_core requires Android NDK 27.0.12077973

- firebase\_storage requires Android NDK 27.0.12077973

- flutter\_plugin\_android\_lifecycle requires Android NDK 27.0.12077973

- image\_picker\_android requires Android NDK 27.0.12077973

- path\_provider\_android requires Android NDK 27.0.12077973

- sqflite\_android requires Android NDK 27.0.12077973

Solution :

Fix this issue by using the highest Android NDK version (they are backward compatible).

Add the following to /Users/dakshrathod/FinalYearProject/FinalYearProject/Admin Panel App Version 2/bites\_of\_south/android/app/build.gradle:

    android {

        ndkVersion = "27.0.12077973"

        ...

    }