

AutoRouteLogger Integration Guide

Purpose

AutoRouteLogger logs all screen navigations automatically (push, pop, replace).

- Provides route-level visibility in adb logcat.
- Minimal setup, no changes in navigation code required.
- Logs prefix example: FLUTTER_ROUTE: PUSH -> LoginPage | From -> null

Add AutoRouteLogger File

Create file: lib/utils/auto_route_logger.dart

Key Features:

- Implements NavigatorObserver
- Overrides didPush, didPop, didReplace
- Uses _extractName() to get route/widget name

_extractName Function

- Returns route.settings.name if available
- For initial route `/`, converts MaterialPageRoute builder widget to type
- Fallback: route.runtimeType.toString()

Viewing Logs

Run on device:

```
adb logcat | grep "FLUTTER_ROUTE"
```

Sample output:

```
FLUTTER_ROUTE: PUSH -> LoginPage | From -> null
```

```
FLUTTER_ROUTE: REPLACE -> LoginPage WITH -> WelcomePage
```

```
FLUTTER_ROUTE: POP -> WelcomePage | Back To -> LoginPage
```

Notes

- Works with named routes & MaterialPageRoute

- Logs initial screen correctly
- Developers do not need to change existing navigation code
- Optional: extend `_extractName()` to log arguments or timestamps