



MY JOURNEY WITH NAVIGATOR 2.0

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How it started...



How it's going...



AGENDA

- Why Navigator 2.0?
- The New Bits (briefly)
- Quick Demos
- Tools and Resources
- Q&A



**WHY DO WE
NEED ANOTHER
NAVIGATOR?**

Advantages of Router Based Navigation

- Visibility into the stack
- Full control over adding/removing pages from the stack
- Stack restoration on app resume
- Nested navigation is easier to manage
- Easily swap stacks (e.g. auth/unauth)
- Deeplinking from notifications is easier to manage

The New Bits

Navigator

- new pages param
- onPopPage callback
- transitionDelegate

Page (abstract class)

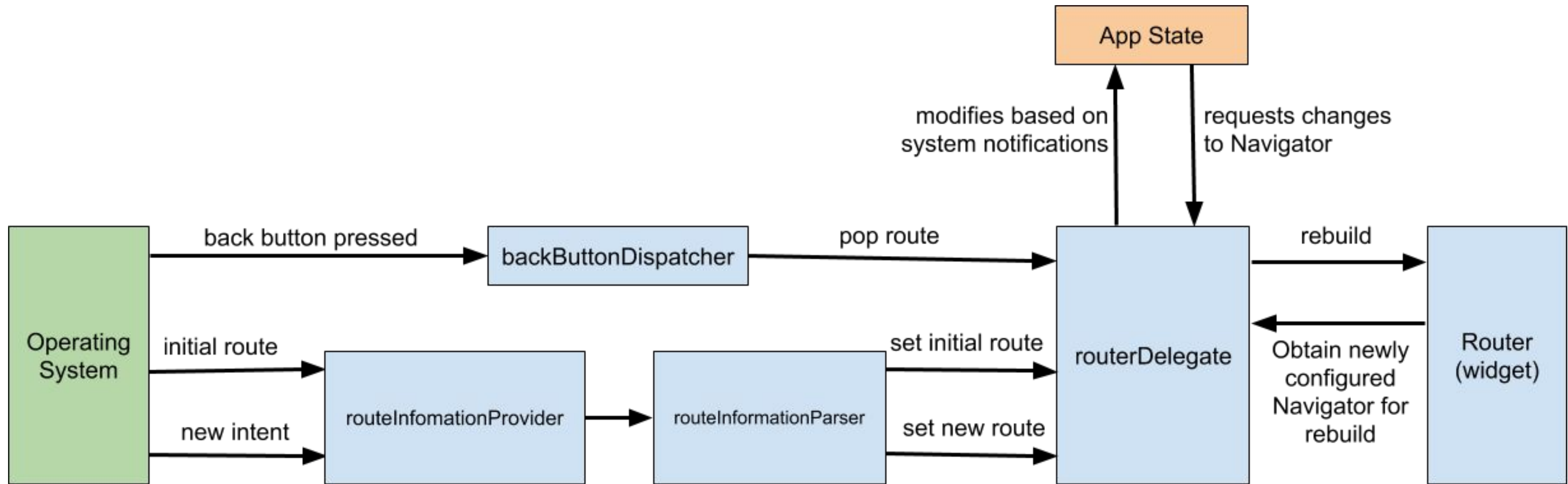
- MaterialPage
- CupertinoPage

```
@override
Widget build(BuildContext context) {
  return MaterialApp(
    home: Navigator(
      pages: [
        MaterialPage(
          key: ValueKey('HomePage'),
          child: HomePage(title: 'Flutter Nav Demo'),
        ) // MaterialPage
      ],
      onPopPage: (route, result) => route.didPop(result),
      transitionDelegate: DemoAppTransitionDelegate(), //optional
    ), // Navigator
  ); // MaterialApp
}
```

The New Bits (continued)

Router API

- Router widget
- RouterDelegate
- RouteInformationParser
- RouteInformationProvider
- BackButtonDispatcher



DEMO TIME!

🔗 Analysis

Scroll right to see all >

	auto_route	beamer	flit-router	flouter	flow_builder	fluro	flutter_modular	navi
Deep Linking - Path Parameters	✓	✓	✓	✓	✕ - in TODO list	✓	✓	✓
								code snippets
Deep Linking - Query Parameters	✓	✓	✓	✓	✕	✓	✓	✓
								code snippets
Dynamic Linking	✓	✓	✓	✓	✕ - in TODO list	✓	✓	✓
								code snippets

<https://github.com/flutter/uxr/blob/master/nav2-usability/comparative-analysis/README.md#analysis>

ROUTEMASTER

- Published by Tom Gilder
- Github - <https://github.com/tomgilder/routemaster>
- Pub.dev - <https://pub.dev/packages/routemaster>

- Deep Linking - Path & Query Parameters
- Dynamic Linking
- Validation
(Login/Logout/Sign-up Routing)
- Nested Routing
- Skipping Stacks
- Custom Pages / Custom transition animations



HELPFUL RESOURCES

- <https://medium.com/flutter/learning-flutters-new-navigation-and-routing-system-7c9068155ade>
- Dominik Roszkowski's Flutter Cracow Presentation
<https://www.youtube.com/watch?v=GxoFl5kzJgE>
- Simon Lightfoot's Flutter On Air Presentation
<https://www.youtube.com/watch?v=Y6kh5UonEZ0>
- Chun-Heng Tai's DevFest Saudi Arabia Presentation
<https://www.youtube.com/watch?v=Hf85t1zoedY>
- Code Demo's from this Presentation
<https://github.com/rkunboxed/flutter-nav2-demo>

Thank you!



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