MY JOURNEY WITH NAVIGATOR 2.0

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11/10/2021

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How it started...

How it's going...

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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

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The New Bits

Navigator

- new pages param

- onPopPage callback

- transitionDelegate

Page (abstract class)
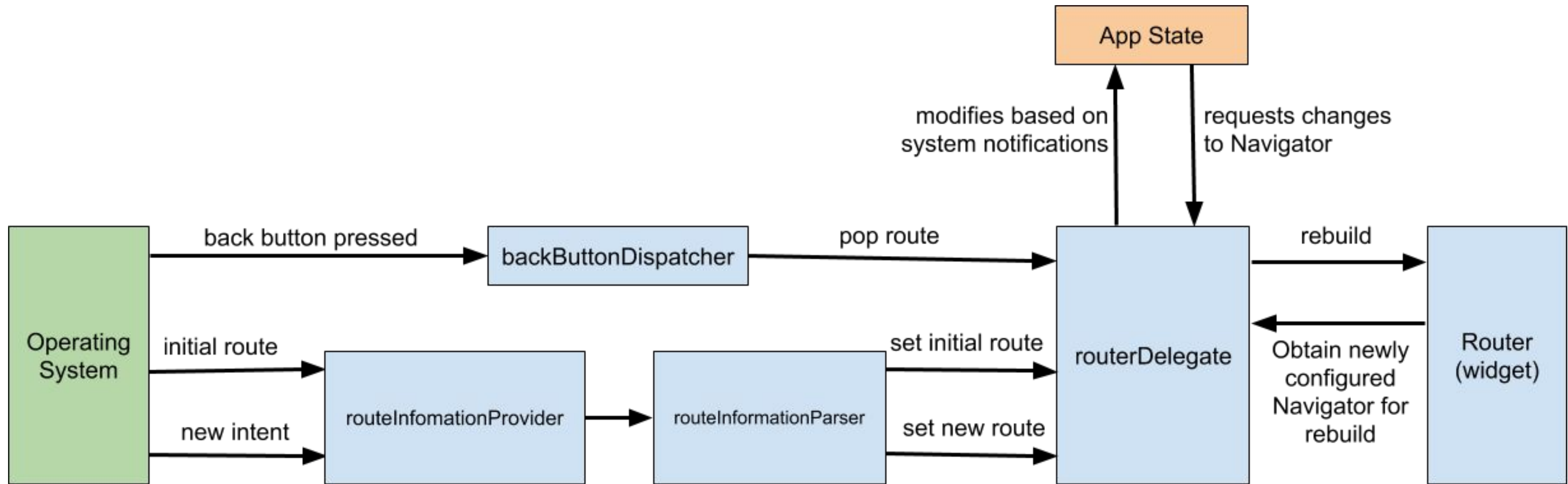
- MaterialPage

- 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

- Validation (Login/Logout/Sign-up Routing)

- Nested Routing

- Custom Pages / Custom transition animations

GO_ROUTER

- Published by Chris Sells

- Github - https://github.com/csells/go_router

- Pub.dev - https://pub.dev/packages/go_router

- Deep Linking - Path & Query Parameters

- Validation (Login/Logout/Sign-up Routing)

- Nested Routing

- 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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