The Flutter logo is a stylized 'F' composed of four geometric shapes: a large light blue parallelogram at the top left, a medium blue parallelogram at the top right, a smaller light blue parallelogram at the bottom left, and a dark blue parallelogram at the bottom right.

Flutter

DENVER



Meetup

Welcome

Flutter Denver Meetup

Flutter Progressive Web Apps
March 3, 2020

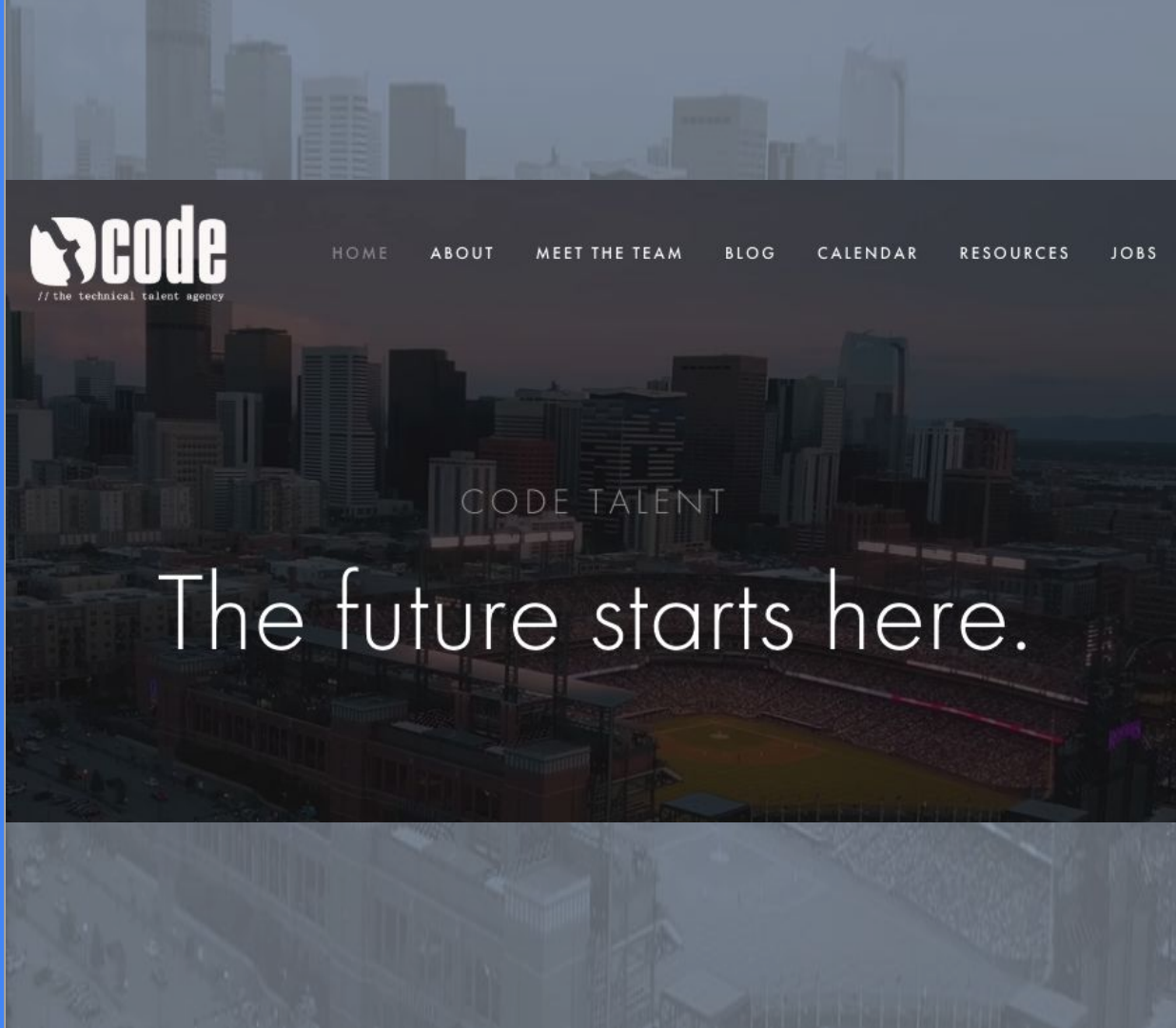


Thank You Code-Talent

Thank you for hosting Flutter Denver
Meetup group.

Special thanks to Kevin Doran and
Taylor Hyman.

Code-Talent
www.code-talent.com



Thank You Reddiyo

Thank you for providing snacks this month for our Flutter Denver Meetup event.

Special thanks to Rona Kilmer.

Reddiyo
www.reddiyo.com

REDDIYO

Take the Happy Path

with a Cycling Plan by Reddiyo



The Early Bird Gets the Worm!

Our early bird release is out! Sign up today, enjoy a 14-day free trial, and lock in the low rate of **\$5.99/month for life.**

GET STARTED

Reddiyo supports Android and iOS devices. You will also need a Garmin or Polar heart rate monitor and/or power meter to get the most out of Reddiyo.

No more generic one size fits all training plans.

At Reddiyo, we believe you shouldn't have to be a pro to get customized plans and you shouldn't need a degree in advanced statistics to understand your training data.

Reddiyo takes the complexity out of training by providing cycling plans that help you achieve your goals.



Agenda

- Welcome
- Quick Review of February Meetup Event
- Show and Tell
- April Meetup Planning Prelude
- Presentation - Flutter Progressive Web Apps
 - [Michael Jordan](#)
- Hands-on Workshop - Create a Flutter PWA
- April Meetup Planning Redux

Welcome to Flutter Denver Meetup

Introduce Yourself in 2 Minutes

- Tell us your name and why you're interested in Flutter

Review of February Meetup Event

- Denver Devs Slack Workspace

Slack Channels on Denver Devs



Denver Devs

denver-devs.slack.com

Join Us on Denver Devs Slack

- Get Invite At denverdevs.org
- #topic-flutter
- #meetup-flutterdenver

Review of February Meetup Event

- Denver Devs Slack Workspace
- Video Streaming Meetup Event

Video Recording / Streaming Events



Video Streaming Flutter Denver Meetup Events

- Experimenting with Video Streaming
- Any Volunteers Interested in Helping
- How Many Members Are Interested in Video Streaming

Review of February Meetup Event

- Denver Devs Slack Workspace
- Video Streaming Meetup Event
- Flutter-Denver GitHub Account

Flutter-Denver GitHub

Repository for Flutter Denver Meetup
content and more!



GitHub

Flutter Denver on GitHub

- **github.com/flutter-denver**
 - NOT github.com/flutterdenver
- **Proposed Uses**
 - Store content from events
 - slides, agenda, notes, etc.
 - Use Wiki for dynamic content and information
 - Share code in repositories and snippets
 - Use GitHub Pages for Flutter Denver Meetup website
 - flutter-denver.github.io
- **Any Volunteers Interested in Helping**

Review of February Meetup Event

- Denver Devs Slack Workspace
- Video Streaming Meetup Event
- Flutter-Denver GitHub Account
- Presentation on Flutter State Management

Show-n-Tell

Show-n-Tell

Open floor discussion to raise questions, share insights, and propose topics

- A better name for “Show-n-Tell?”

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Show-n-Tell

Open floor discussion to raise questions, share insights, and propose topics

- A better name for “Show-n-Tell?”
- Google Community Leads Platform Support
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- Anybody have thoughts or ideas to share?

Flutter Denver Meetup Planning

April 7th Meetup Event Prelude

- Create Tentative Agenda
- Identify Action Items
- Identify Roles and Responsibilities

Flutter Progressive Web Apps

Michael Jordan

What is a Progressive Web App?

*“A **progressive web application (PWA)** is a type of application software delivered through the web, built using common web technologies including HTML, CSS and JavaScript. It is intended to work on any platform that uses a standards-compliant browser.”*

- Wikipedia

PWA Characteristics

- **Progressive** — Works for every user, regardless of browser choice, using [progressive enhancement](#) principles.
- **Responsive** — Fits any form factor: desktop, mobile, tablet, or forms yet to emerge.
- **Faster after initial loading** - After the initial loading has finished, the same content and page elements do not have to be re-downloaded each time.
- **Connectivity independent** — [Service workers](#) allow offline uses, or on low quality networks.
- **App-like** — Feels like an app to the user with app-style interactions and navigation.
- **Fresh** — Always up-to-date due to the service worker update process.
- **Safe** — Served via [HTTPS](#) to prevent snooping and ensure content hasn't been tampered with.
- **Discoverable** — Identifiable as an “application” by manifest.json^[14] and service worker registration, and discoverable by search engines.
- **Re-engageable** — Ability to use [push notifications](#) to maintain engagement with the user.
- **Installable** — Provides home screen icons without the use of an App Store.
- **Linkable** — Can easily be shared via a URL, and does not require complex installation.

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Why?!?

Learn More About PWAs

- [Progressive web application](#) - Wikipedia
- [Your First Progressive Web App](#) - Google Developers Code Labs
- [4 important points to know about Progressive Web Apps \(PWA\)](#) - medium.com
- [What are Progressive Web Apps?](#) - web.dev
- [What makes a good Progressive Web App?](#) - web.dev
- [What is a PWA - An Intro to Progressive Web Apps](#) - blockchainsimplified.com

Flutter PWA Workshop



Flutter **PWA** Workshop

Flutter PWA Hosted on GitHub

fluttermatters.com/2020/02/28/flutter-pwa-hosted-on-github/



Flutter PWA Hands-On Workshop

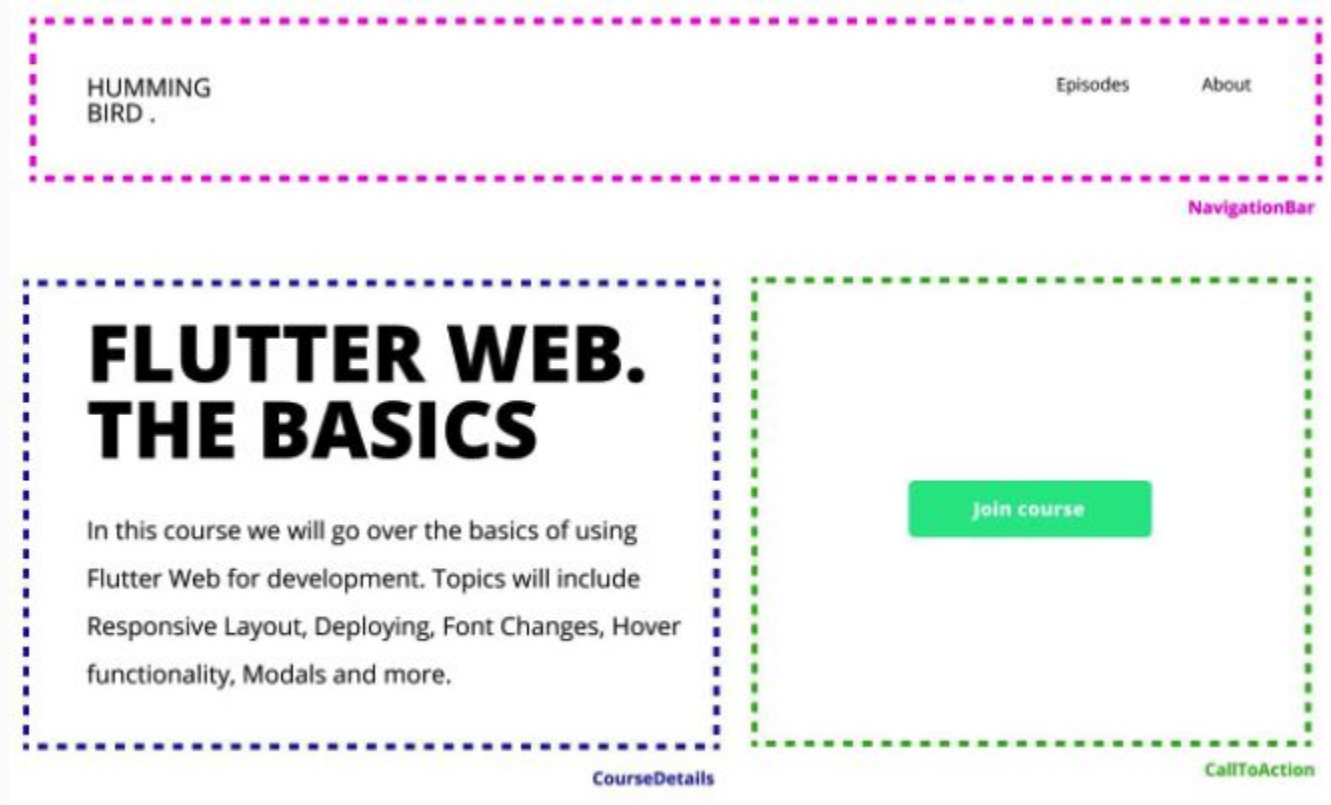
- Overview of Flutter PWA
- Prerequisites - Flutter installed and GitHub account
- Flutter Web Configuration Enabled
- Flutter PWA Repository
- Configure GitHub Pages
- Generate GitHub Access Token
- Create GitHub Action
- Next Steps

Flutter PWA

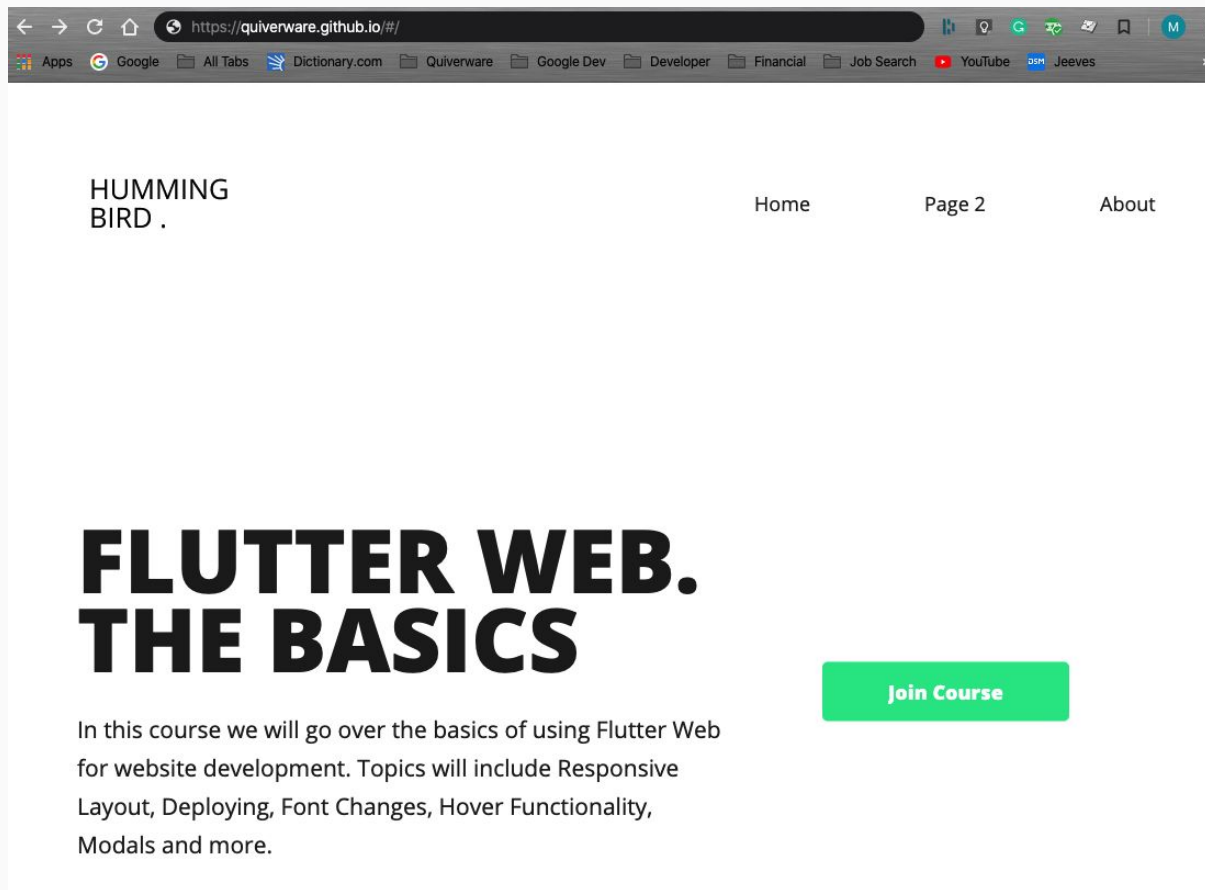
Uses the Flutter website app created in the FilledStacks tutorial by Dane Mackier.



Basic Flutter PWA Layout



Show demo of
quiverware.github.io



Flutter PWA Hands-On Workshop

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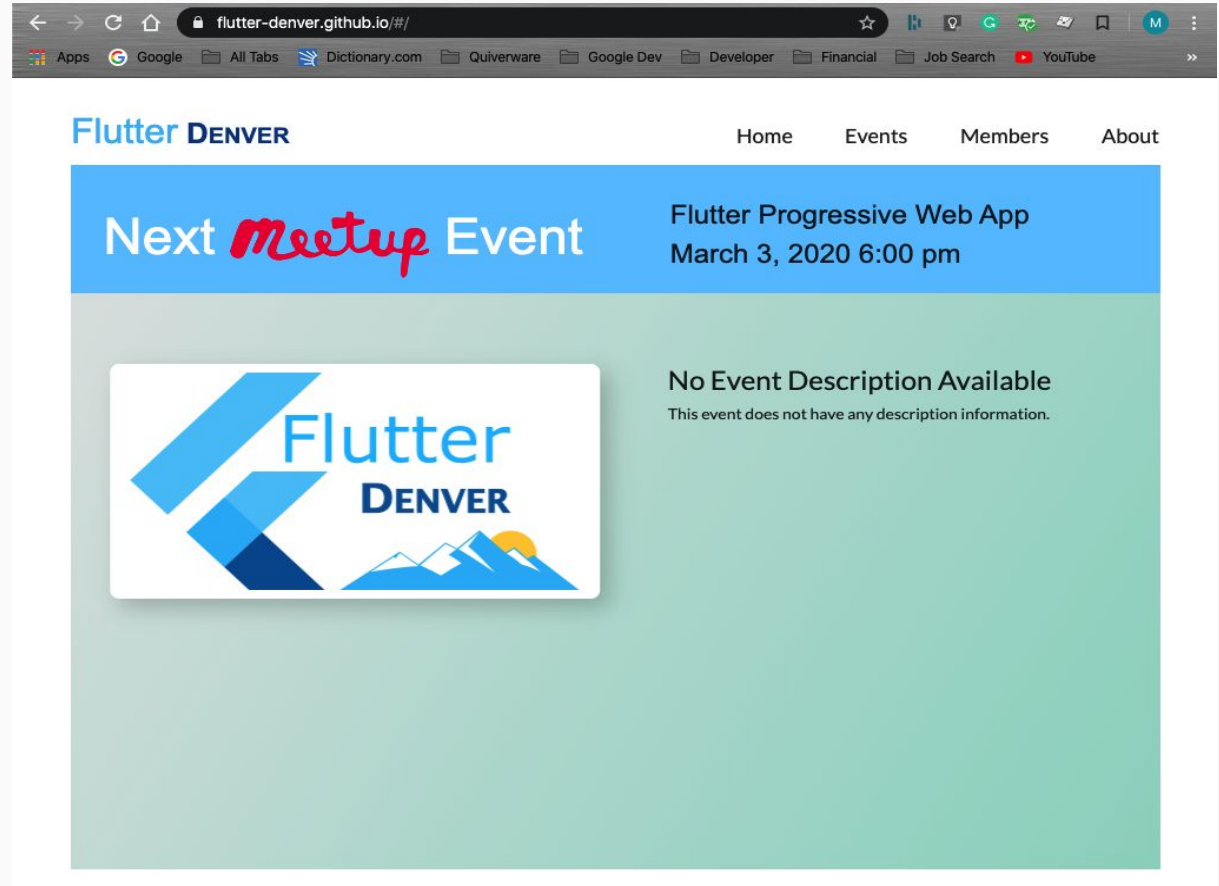
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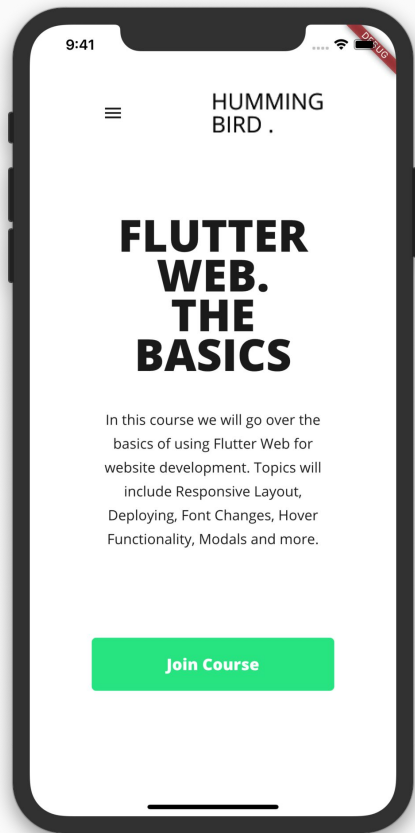
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Show demo of
flutter-denver.github.io



Flutter Everywhere!

Oh, yeah. One more thing. Not only do you have a PWA you have a fully functional mobile app for Android and iOS without changing a single line of code.



Flutter Denver Meetup Planning

April 7th Meetup Event Redux

- Create Tentative Agenda
- Identify Action Items
- Identify Roles and Responsibilities

Thank You For
Attending!

Contact us:

www.meetup.com/Flutter-Denver

mjordan@quiverware.com

The Flutter logo is a stylized 'F' composed of four overlapping triangles in shades of blue and dark blue.

Flutter

DENVER

