

2.1.9

Learn the Git Workflow for a New Feature

In the following steps, we'll create a feature branch for our first issue (adding HTML to the hero section), complete the work, and then add our work to the remote `develop` branch.

Here's a quick overview of the steps in this Git workflow process (all are done at the command prompt):

1. Create a feature branch from the `develop` branch.
2. Add HTML for the contact form.
3. Git add, commit, and push to the remote feature branch.
4. Checkout back to `develop`.
5. Locally merge the feature branch into the `develop` branch.
6. Pull the remote `develop` branch into the local `develop` branch to check for updates.
7. Push the `develop` branch into the remote `develop` branch.

Don't worry if this seems like a lot of steps. We'll go over each step in detail. Let's begin!

Set Up the Feature Development Environment

Our first step is to create a new feature development environment from a stable copy of the `develop` branch so we can work in isolation.

If you recall from our Git workflow introduction, the first step when creating a feature branch is to `checkout` into the `develop` branch. Then

we'll create our new feature branch and set it as the active branch. We can accomplish these two Git operations by using the following commands:

```
git checkout develop  
git checkout -b feature/hero-text
```

Please note that this made an exact copy of the `develop` branch, including the newly created `README.md` file. As soon as we start to work and commit in the feature branch, these branches will begin to diverge.

Now confirm that your branch was created. Type `git branch` and you'll see the following:



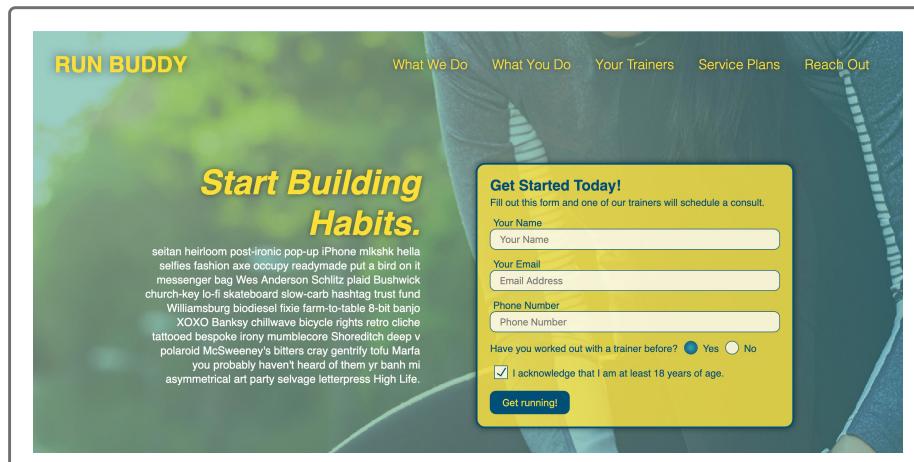
```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Local-Computer% git branch
  develop
* feature/hero-text
  master
Local-Computer%
```

Notice how `git branch` was also used to verify the active branch.

Update the Hero Section

Let's take a quick look at the Git Issue and the mock-up from the design team to see what we need to add to the hero text block.

Here's the mock-up:



And here's the Git issue:

Updates for Hero Section #2

Open lernantino opened this issue 3 days ago · 0 comments

lernantino commented 3 days ago • edited

Owner +
...
Assignees
lernantino
Labels
enhancement
Projects
None yet
Milestone
No milestone
Notifications
Customize
Unsubscribe
You're receiving notifications because you're watching this repository.
1 participant

Updates for Hero Section

Content Requirements

- Heading: "Start Building Habits."
- Text Body: Lorem ipsum text placeholder
- Download new hero image for hero section

Questions/suggestions for Design Team

- What will be the marketing text?

lernantino self-assigned this 2 days ago

lernantino added the enhancement label 2 days ago

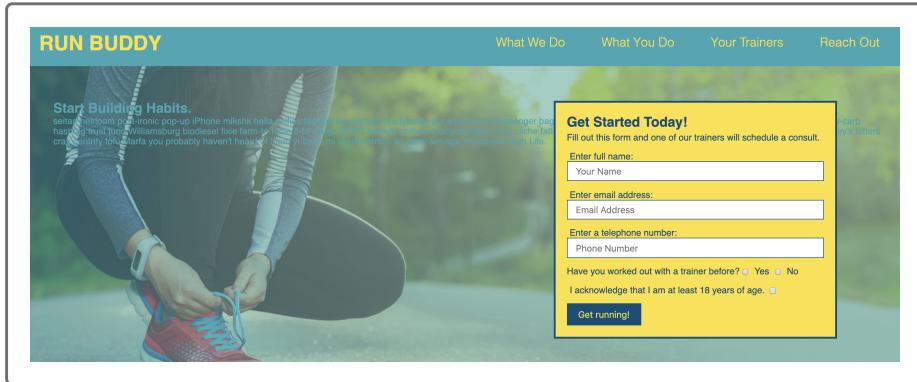
lernantino changed the title Hero Section Text Block Updates for Hero Section 36 seconds ago

On your own, practice your HTML skills by fulfilling the Git issue requirements and following the mock-up for guidance.

When you're done, the HTML should look like this and be placed directly in the `<section class="hero">` element:

```
<div class="hero-cta">
  <h2>Start Building Habits.</h2>
  <p>
    seitan heirloom post-ironic pop-up iPhone mlkshk hella selfies fashion a
    messenger bag Wes Anderson Schlitz plaid Bushwick church-key lo-fi skate
    Williamsburg biodiesel fixie farm-to-table 8-bit banjo XOXO Banksy chill
    tattooed bespoke irony mumblecore Shoreditch deep v polaroid McSweeney's
    probably haven't heard of them yr banh mi asymmetrical art party selvage
  </p>
</div>
```

Please save your file and then refresh the browser. The updated page should look like this:



PAUSE

Why does the text run into the sign-up form?

The sign-up form was declared with absolute position, so it's removed from the document flow. This allows the text block to overlap with the sign-up form. We'll fix this in the next section when we add CSS styling.

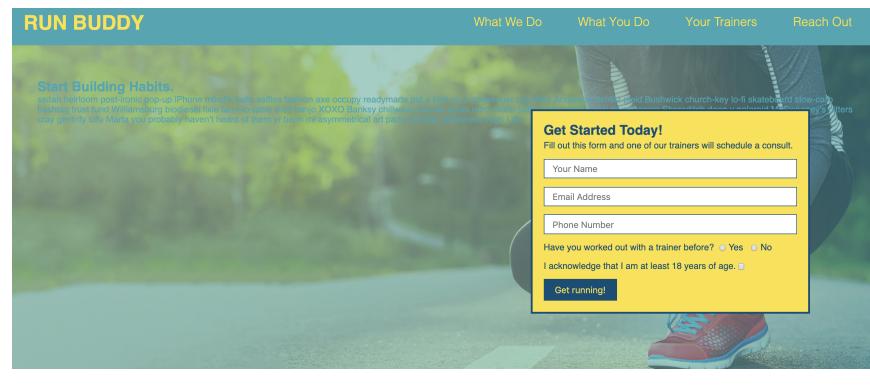
[Hide Answer](#)

One more thing. The design team wants to flip the image of the person lacing up their shoes to the right side of the page. We'll do this by replacing the current image with a flipped version.

To replace the image, follow these steps:

1. Open the following image in Chrome: [flipped-hero-image.jpg](https://static.fullstack-bootcamp.com/module-2/flipped-hero-image.jpg) (<https://static.fullstack-bootcamp.com/module-2/flipped-hero-image%2Ejpg>).
2. With the image open, press Ctrl+s on Windows or Command+s on macOS to save the image to your computer.
3. Change the name of the downloaded image to `hero-bg.jpg`.
4. Move the image into the `images` folder in the `assets` directory of the project.
5. Click the Replace button.

Refresh the `index.html` page in the browser. You should see the following:



It doesn't look that great now, but we'll fix this later in the styling lesson. For now, our issue is complete so let's add and commit our work in this branch. We will make a slight change to our practiced Git workflow in this instance by pushing our local feature branch up to a remote feature branch. A good reason for this is to create a backup of our work just in case something like a lightening bolt or spilled cup of coffee accidentally destroys our local computer.

Thus, the list of commands we'll run includes:

```
git add .
git commit -m "add content to hero, replace image"
git push origin feature/hero-text
```

The slight variation in our push command illustrates that we are no longer pushing to our remote `master` branch but to a new remote feature branch named `feature/hero-text`. Hypothetically, we could've named this anything, but consistent naming conventions means one less branch name to commit to memory.

We'll add the "push to remote branch" step to our Git workflow after every add and commit of our feature branch to secure our hard work. After a successful push, we can check our GitHub repo and see that our backup branch is now safe and secure.

Here's our GitHub repo's branch tab, where we can see the `develop` and `feature/hero-text` branches:

lernantino / run-buddy

Unwatch 2 Star 0 Fork 1

Code Issues 2 Pull requests 0 Projects 0 Wiki Security Insights Settings

Overview Yours Active Stale All branches Search branches...

Default branch

master Updated 2 hours ago by lernantino ✓ Default Change default branch

Your branches

feature/hero-text Updated 1 hour ago by lernantino 6 | 4 New pull request ⚡

develop Updated 6 hours ago by lernantino 3 | 2 New pull request ⚡

Active branches

feature/hero-text Updated 1 hour ago by lernantino 6 | 4 New pull request ⚡

develop Updated 6 hours ago by lernantino 3 | 2 New pull request ⚡

This screenshot shows the GitHub repository overview for 'lernantino / run-buddy'. At the top, there are navigation links for Code, Issues (2), Pull requests (0), Projects (0), Wiki, Security, Insights, and Settings. Below these are tabs for Overview, Yours, Active, Stale, and All branches, with 'Overview' being the active tab. A search bar for branches is also present. The main content area is divided into sections: 'Default branch' (showing 'master' as the default branch), 'Your branches' (listing 'feature/hero-text' and 'develop'), and 'Active branches' (also listing 'feature/hero-text' and 'develop'). Each branch entry includes the last update time, the author, a progress bar, a 'New pull request' button, and a trash icon.

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