AEC- Project Managment with GIT (1:0:0)-AEC59



Syllabus

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Syllabus

Unit 1: Getting Started with GitHub.com,
 Starting your first solo project.

Unit 2: Continuation of first solo project,
 Contributing to Your first Project

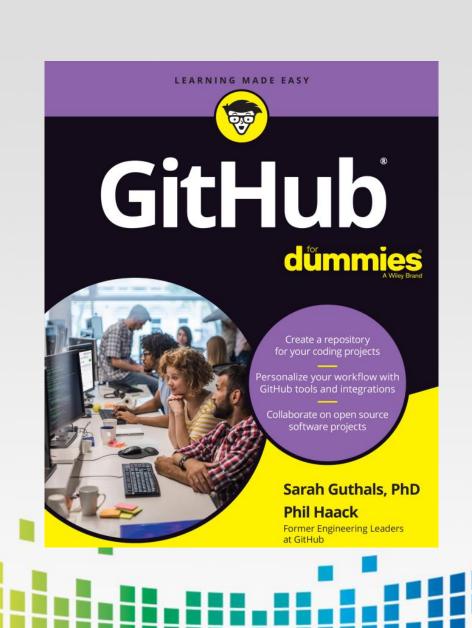


Syllabus

 Unit 3: Continuation of Unit 2, Manage and Contribute to Large Projects.

 Unit 4: Continuation of Unit 3, Make GitHub Work For You.





UNIT-1: GITHUB.COM



Contents

Getting Started with GitHub.com:

- Understanding the Git in GitHub
 - Introducing GitHub
 - Understanding Version Control
 - Git Version Control
 - Git's Place on GitHub
 - Signing Up for GitHub.com
 - Personalizing Your GitHub.com
 Account.

Setting Up Your Collaborative Coding Environment

- Exploring GitHub.com
- Getting to Know GitHub Desktop
- setting up GitHub Desktop
- Introducing Atom.

Starting Your First Solo Project:

- Introducing GitHub Repositories
 - Setting Up a Repository
 - Exploring Your Repository
 - Modifying README.md
 - Merging a Pull Request
 - Using Issues and Project Boards.

Understanding the Git in GitHub -Introducting GitHub

• GitHub creates an environment

allows to store code on a remote server

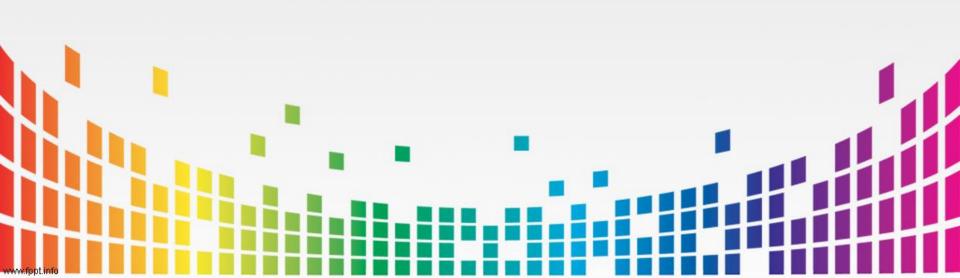
What makes GitHub work behind the scenes is Git

- Provided the ability to share code with other people
- Easy for more than one person to add, modify, or delete code to the same file and project, while keeping one source of truth for that file .
- Example: Google Docs a place online where you can write code with other people and not have to email different versions back and forth.

Understanding the Git in GitHub -Understanding Version control

Definition:

• Version control systems (also known as **source control management, or SCM**) are software that keep track of each version of each file in a coding project, a timestamp for when that version was created, and the author of those changes.



Understanding the Git in GitHub -Understanding Version control

The basic workflow of coding with version control system support is as follows:

- 1. Create a project, typically in a folder on your computer.
- 2. Tell your version control system of choice to track the changes of your project/folder.
- 3. Each time your project is in a working state, or you're going to walk away from it, tell your version control system of choice to save it as the next version.



Understanding the Git in GitHub -Git Version control

GitHub, as the same would suggest, is built on Git.

- **Git** is a type of version control system, and it is free and open source, which means that anyone can use it, build on top of it, and even add to it.
- Try simple git on the terminal:
 - Mac or Linux, a terminal is already installed on your computer.
 - Windows computer, install Git for Windows
 - Just go to https://gitforwindows.org and click Download to gain access to **Git Bash**, an emulator that allows you to interact with Git just like you would on a Linux or Mac terminal.
 - You also get Git GUI, which gives you a user interface for almost all Git commands you might type into Git Bash, and shell integration so that you can quickly open Git Bash or Git GUI from any folder.
 - Many developers on Windows prefer to use PowerShell as their terminal environment.

-Git Version control

GitHub, as the same would suggest, is built on Git.

- First, find the Terminal application:
 - » On Mac, you can click the magnifying glass at the top right of your desktop, type Terminal, select the terminal from the list of applications, and press Enter or click it.
 - » On Linux, press Ctrl-Alt-T all at the same time, and the terminal window opens.
 - » On Windows, click the Windows menu in the bottom right of your desktop, search Git Bash, select the Git Bash application from the list of search results, and press Enter or click it.
- When the application opens,
 - » type **git --version** in the terminal.
 - » If you have Git installed, you should see a version number, as shown in the following code (the \$ should already be on the line, so you do not need to type it).
 - » Otherwise, you can follow the instructions on https://git-scm.com/book/en/v2/GettingStarted- Installing-Git.

-Git Version control

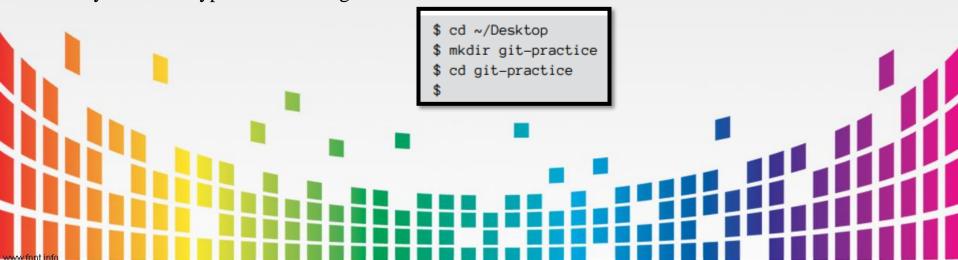
• For Mac or Linux, you should see something like this:

\$ git --version
git version 2.16.3
\$

For Windows, you should see something like this:

\$ git --version
git version 2.20.1.windows.1
\$

• Next, using the terminal, go to your desktop and create a new folder called git practice. To do this, you should type the following commands:



-Git Version control

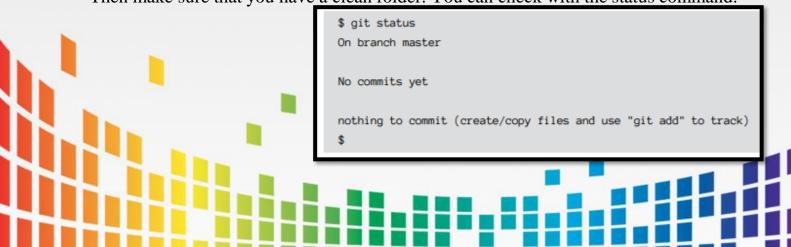
If you type pwd, you should see that you are now in the folder git-practice, which is on your desktop. It might look something like this:

\$ pwd
\$ /Users/sguthals/Desktop/git-practice
\$

```
Now, you can tell git to track this folder using the init command.

$ git init
Initialized empty Git repository in /Users/sguthals/Desktop/git-practice
$
```

• Then make sure that you have a clean folder. You can check with the status command:



-Git Version control

• Then, you can create a file to have Git start tracking and confirm the file is in the folder:

```
$ echo "practicing git" > file.txt
$ ls
file.txt
$
```

• After the folder is open, double-click the file called file.txt, and the file opens with TextEdit on Mac, gedit on Linux, and Notepad on Windows. You can see that the words "practicing git" are actually there.



-Git Version control

Close the file. Now, you can tell Git that you want to save this as a particular version. Back in the terminal:

```
$ git add file.txt
$ git commit -m "Adding my file to this version"
[master (root-commit) 8d28a21] Adding my file to this version
1 file changed, 1 insertion(+)
Create mode 100644 file.txt
$ git status
On branch master
nothing to commit, working tree clean
$
```

You can make a change to your file in the text file. Open the file again, change the text to say "Hi! I'm practicing git today!" and then click File ⇒ Save and close the text application. When you go back to the Terminal to check the status of your project again:

```
$ git status
On branch master
Changed not staged for commit:
   (use "git add <file..." to update what will be committed)
   {use "git checkout -- <file>..." to discard changed in working directory)
        modified:        file.txt

no changed added to commit (use "git add" and/or "git commit -a")
$
```

-Git Version control

• Commit this version of your file again and notice that Git recognizes that everything has been saved to a new version:

```
$ git add file.txt
$ git commit -m "I changed the text"
[master 6d80a2a] I changed the text
1 file changed, 1 insertion(+), 1 deletion(-)
```

\$ git status
On branch master
nothing to commit, working tree clean
\$

-Git Version control

• Say that you actually want to go see the original change; when you added "practicing git". First, get the log of all the commits you have made:



-Git Version control

• Then ask Git to show you the first commit you made (the bottom most one). Make sure that you're typing your unique commit hash. In this book, the hash starts with 8d28a2. Make sure you type the entire hash that appears in your Git log:

```
$ git show 8d28a21f71ec5657a2f5421e03faad307d9eec6f
commit 8d28a21f71ec6567a2f5421e03faad307d9eec6f
Author: squthals <sarah@quthals.com>
      Sun Dec 9 08:48:01 2018 -0800
   Adding my file to this version
diff --git a/file.txt b/file.txt
new file mode 100644
    index 00000000..849a4c7
          /dev/null
          b/file.txt
         -0,0 +1 @@
    +practicing git
```

-Git Version control

Git branching by collaborator:

- Git is different from other version control systems because it has fast branching, shown in Figure 1-1.
- **Branching** is a Git function that essentially copies code (each branch is a copy of the code), allows you to make changes on a specific copy, and then merges your changes back into the main (master) branch.
- When you're writing code, you will add files and commit changes to your master branch.



-Git Version control

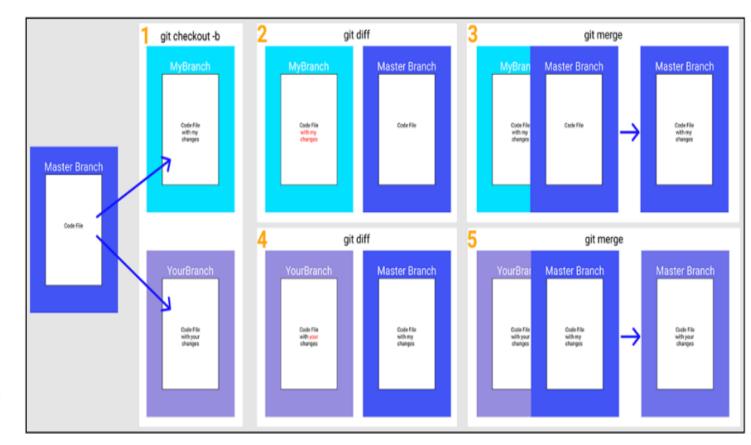


FIGURE 1-1:

Example workflow for Git branches.

-Git Version control

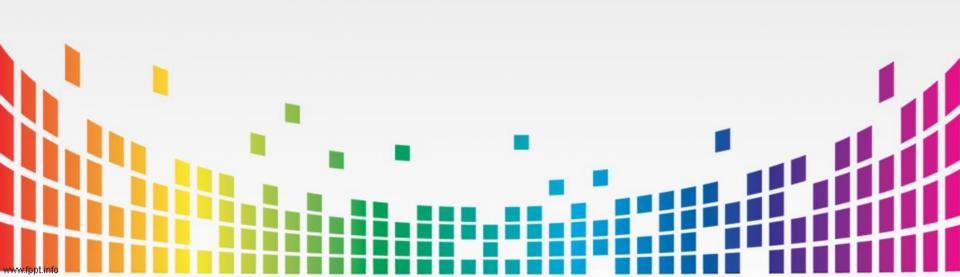
Git branching by feature:

- Another common way to use branching is to have each feature that you develop be on a different branch, regardless of the collaborator who is building the feature.
- You can extend the idea of branching by feature to also have one branch that is your production branch. This branch is what your users will see. Then you can have a development branch, which is one that you can merge features into without changing what your users see
- This type of branching allows you to build a lot of different features, merge them each into the development branch, make sure they all work the way you want, and then merge the development branch into the production branch when you know it's ready for your users.

-Git Version control

Git branching for experimentation:

- You can also create branches to test to see whether something works and then completely throw the branch away.
- Example: This type of branching can be useful if you want to try a completely new layout of a website



-Git Version control

Git features that GitHub supports:

- » **Repository:** Each repository contains all the files and folders related to your project and gives you control of permissions and collaborators' interaction with your code.
- » Clone: When you want to make changes to your code, you will often want to create a copy, or clone, of the project on your local computer. The cloned project is still tightly connected with the version on GitHub.com; it's just your local copy.
- » Fork: Forking a project is when you create your own copy of the entire project. When you fork a project, GitHub.com creates a new repository with your copy of all the files. You can still suggest changes back to the original copy, but you can also take your version and go in a new direction.

-Git Version control

Git features that GitHub supports:

- » **Branches:** GitHub.com supports branching and even provides a useful tool pull requests to compare the diff between branches and merge branches.
- » Commits: GitHub.com tracks all the commits that you push to its servers and gives you an easy interface for browsing the code at different branches and different commits



-Signing up for GitHub.com

The following steps guide you through signing up for a free, individual GitHub.com account:

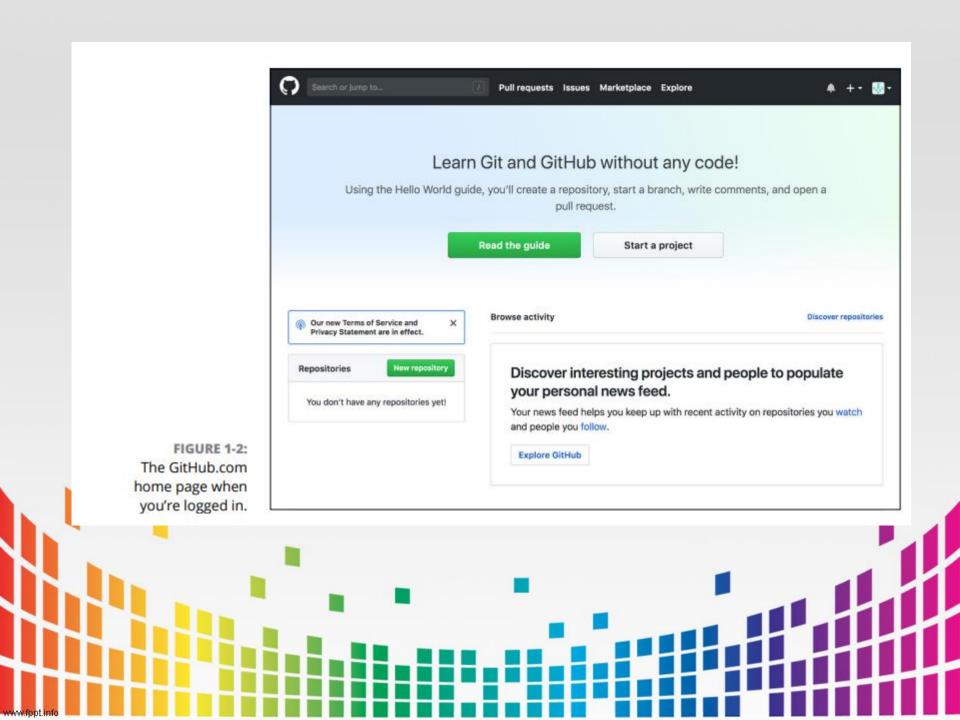
- 1. Go to GitHub.com and fill out the Sign Up form.
- 2. Choose the plan you want.

For the purpose of this book, you can use the Free plan. You can always upgrade to a paid plan later if you decide you want to have more than three collaborators for your private repository and other pro GitHub features.

3. Complete the brief survey.

This survey helps GitHub understand who is using the software and helps them support workflows specific to their users.





Personalizing Your GitHub.com Account:

To complete your GitHub.com profile:

- 1. Click the avatar icon in the top right corner and choose Your Profile.
- 2. Click Edit Profile on the page that appears.
- 3. Fill out the form on the Personal Settings page, shown in Figure 1-3.
- 4. Click Update profile when you're finished.

On the Personal Settings page, you can also adjust a number of different settings to continue personalizing your account.



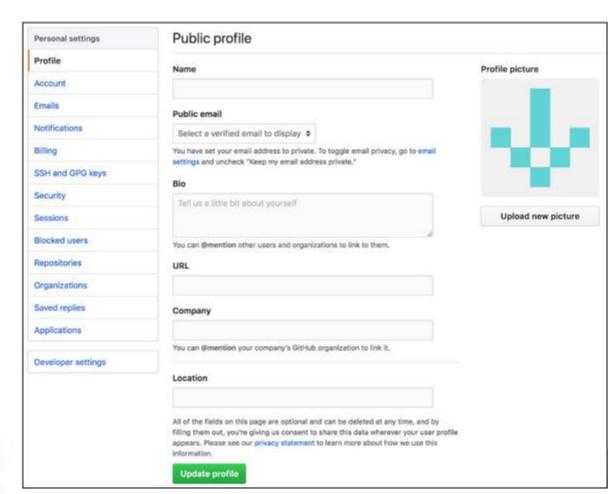


FIGURE 1-3: The Personal Settings page.

-Signing up for GitHub.com

Account:

In Account settings, you can change your password, change your username, or delete your

account.

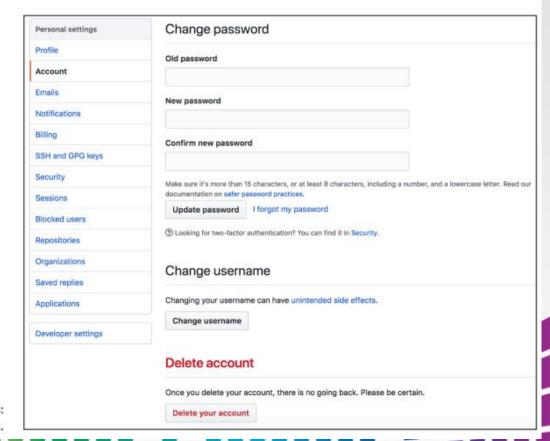


FIGURE 1-4: Account settings.

-Signing up for GitHub.com

Emails:

GitHub allows you to link multiple email addresses to your account. Notice that you can add email addresses, keep your email address private, and even block Git commands that may

expose your email address.

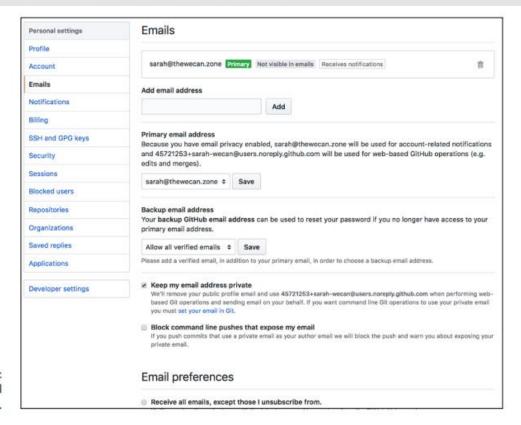


FIGURE 1-5: The Email settings.

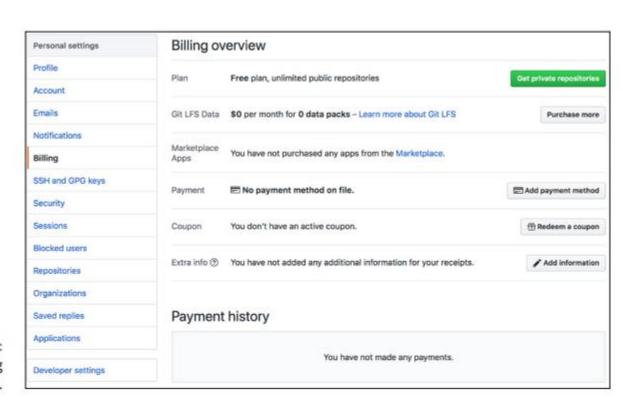
-Signing up for GitHub.com

Notifications:

Notifications can get really overwhelming. Though you can choose your level of granularity for receiving notifications per repository, this page creates your default preferences for

notifications. Notifications Personal settings Profile Choose how you receive notifications. These notification settings apply to the things you're watching. Account Automatic watching **Emails** When you're given push access to a repository, automatically receive notifications for it. Notifications Automatically watch repositories Billing When you're added to or join a team, automatically receive notifications for that team's discussions Automatically watch teams SSH and GPG keys Security Participating Notifications for the conversations you are participating in, or if someone cites you with an @mention. Sessions Email Web Blocked users Repositories Notifications for all repositories, teams, or conversations you're watching. Organizations Email Web Saved replies Applications **Vulnerability alerts** When you're given access to security vulnerability alerts, automatically receive notifications whenever there is a potential vulnerability detected in code. Developer settings ☑ Ul alerts ① ☑ Web Receive security alert notifications via email Email each time a vulnerability is found Email a digest summary of vulnerabilities FIGURE 1-6: The Notifications Email notification preferences

Billing:



The Billing settings.

SSH and GPG keys:

Profile There are no SSH keys associated with your account. Account Check out our guide to generating SSH keys or troubleshoot common SSH Problems. Emails FIGURE 1-8: **GPG** keys Notifications New GPG key The place to Billing There are no GPG keys associated with your account. create SSH and SSH and GPG keys Learn how to generate a GPG key and add it to your account. GPG keys.

New SSH key

SSH keys

Personal settings

Security

Not only should your password be complex, but you should also consider enabling two-factor authentication. Two-factor authentication means that when you type the correct password, you're asked to further verify that it is you who is attempting to log in through an app or SMS.

Sessions

Sessions allows you to see every computer address, city, and country where you're logged in or connecting to GitHub.com.

Blocked users

In the Blocked users settings, you can block users from all your repositories.

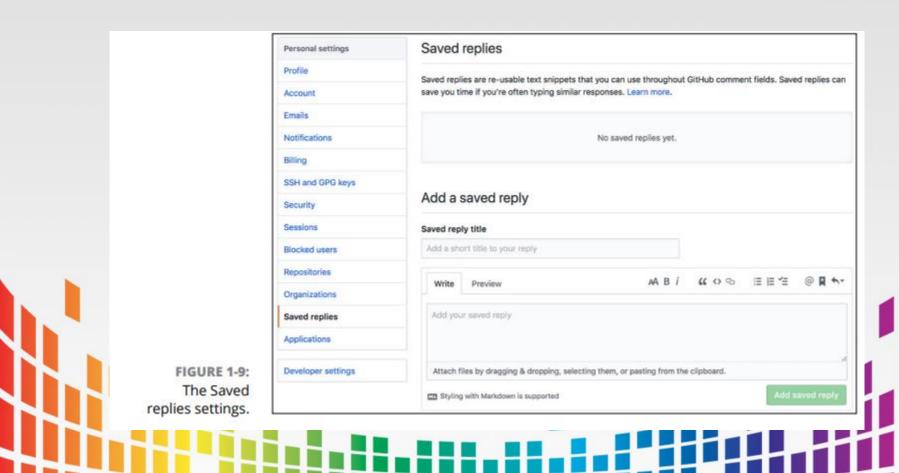
Repositories

The Repositories section lists all the repositories that you have created or been invited to as a collaborator. You also can leave repositories from this page.

Organizations

Organizations enable you to put GitHub users and repositories under similar settings

Saved replies:



Understanding the Git in GitHub -Signing up for GitHub.com

Applications:

You can connect three kinds of applications with your GitHub.com account:

- » **Installed GitHub apps:** GitHub applications that you are using with your account. One example is GitHub Learning Labs.
- **» Authorized GitHub apps:** Applications that you have authorized to access your account. One example is Slack.
- **» Authorized OAuth apps:** Applications that you have authenticated with using GitHub credentials. One example is GitHub Desktop.



Understanding the Git in GitHub -Signing up for GitHub.com

Developer settings:

- » **OAuth apps:** Applications you have registered to use the GitHub API.
- » GitHub apps: Applications that integrate with and extend GitHub.
- » **Personal access tokens:** Similar to SSH keys, tokens that allow you to access the GitHub API without requiring authentication.



The home page of GitHub.com, shown in Figure 2-1, is a great starting point for many tasks, including starting your own project, learning about a topic, or exploring existing

repositories.

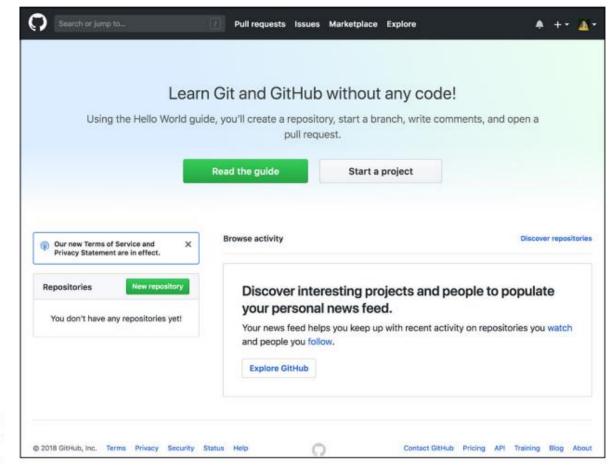
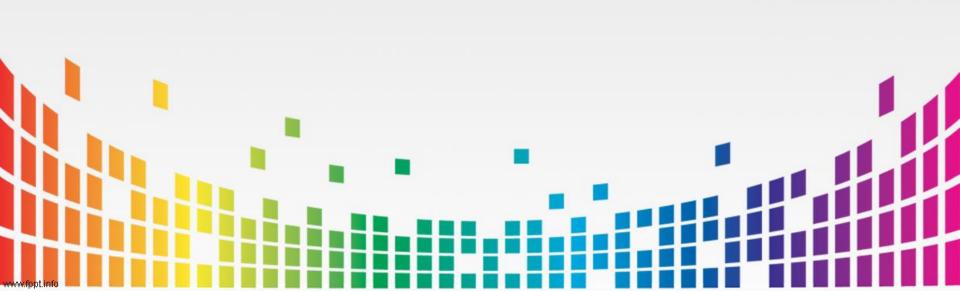


FIGURE 2-1: The home page of GitHub.com.

- 1. Exploring GitHub.com
- 2. Understanding Your Profile
- 3. Getting to Know GitHub Desktop
- 4. Setting up GitHub Desktop
- 5. Introducing Atom

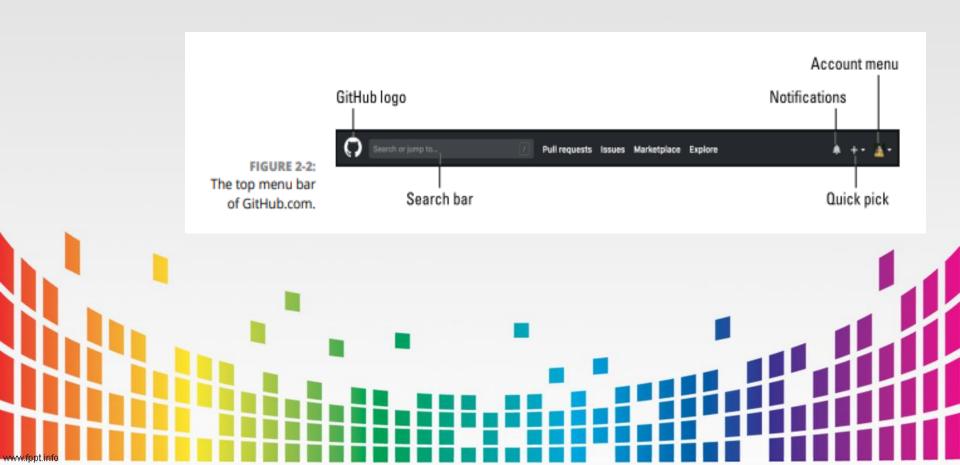


1. Exploring GitHub.com

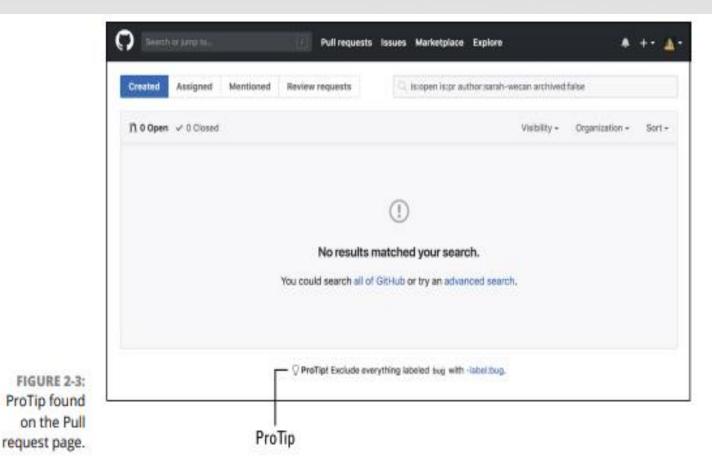
- 1. GitHub home page:
- 2. Search bar:
- 3. Pull requests:
- 4. Issues:
- 5. Marketplace:
- 6. Explore:
- 7. Notifications:
- 8. Quick pick:
- 9. Account menu:



1. Exploring GitHub.com



1. Exploring GitHub.com



1. Exploring GitHub.com

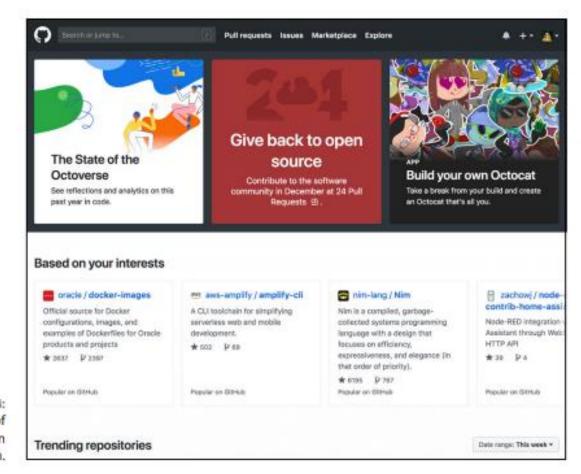
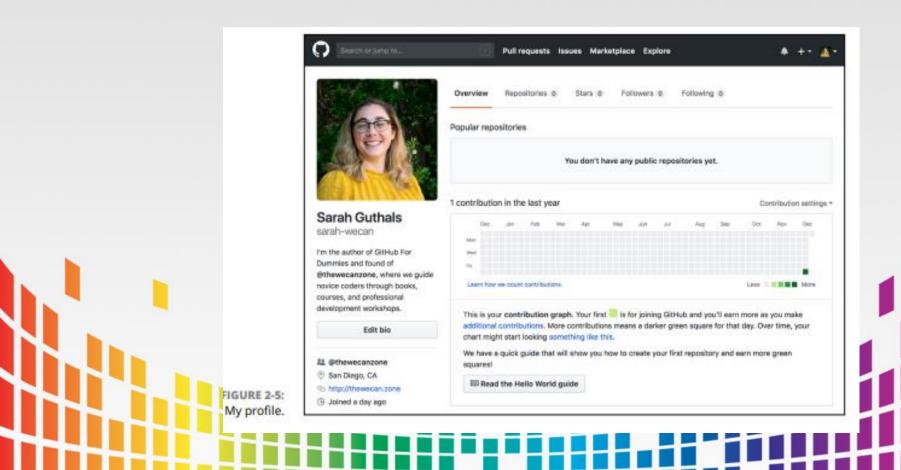


FIGURE 2-4: Curated list of repositories on GitHub.com.

1. Understanding Your Profile(Public View)



3. Getting to Know GitHub Desktop

1. GitHub Desktop is a free, open source application that makes it easier for Mac and Windows users alike to manage repositories and GitHub connections on their local computer.

To install the GitHub Desktop on your computer

1. Go to https://desktop.github.com and click Download for the platform you're using.: Google Chrome and a Mac.

Desktop works on a Windows PC as well because it's built using Electron, which allows it to work on both operating systems.

2. After the download finishes, click the file that was downloaded. The file automatically unzips.

On Mac, the GitHub Desktop application appears in your Downloads folder, next to the zip file. On Windows, the application immediately opens after you unzip the file.

3. Getting to Know GitHub Desktop

1. GitHub Desktop is a free, open source application that makes it easier for Mac and Windows users alike to manage repositories and GitHub connections on their local computer.

To install the GitHub Desktop on your computer

- 3. On Mac, drag the purple GitHub Desktop application into your Applications folder.
- 4. On Mac, go to your Applications folder and double-click the GitHub

Desktop icon.

The application opens, shown in Fig



No Repositories Found

Create a new project and publish it to Github

Create New Repository

Add an existing project on your computer and publish it to Github

Create New Repository

Add a Local Repository

Clone an existing project from Github to your computer and publish it to Github

Create New Repository

Alternatively, you can drag and drop a local repository here to add it.

The GitHub Desktop application default view.

3. Setting Up GitHub Desktop

- 1. Open the GitHub Desktop application.
- 2. Choose File ⇒Preferences.
- 3. On the Accounts tab, click Sign In on the GitHub.com row.

The Sign In dialog box, shown in Figure 2-7, appears.

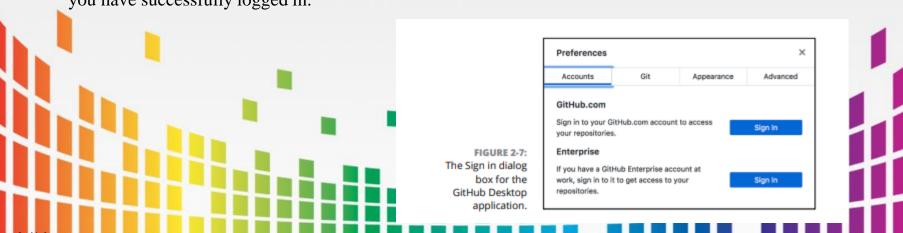
4. Type your username and password and click the Sign in button or click

Sign in using your browser.

When you click Sign in, all the dialog boxes close.

5. Repeat Step 1 to re-open the preferences.

Your account with your avatar, name, and GitHub username appears under the GitHub.com row, confirming that you have successfully logged in.



3. Setting Up GitHub Desktop

6. Click on the Git tab.

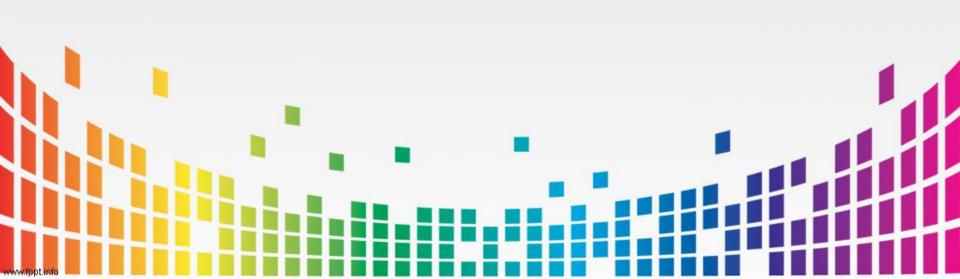
The information has been auto-filled for you.

7. On the Appearance tab, choose Light or Dark.

Screenshots in this are in Light mode.

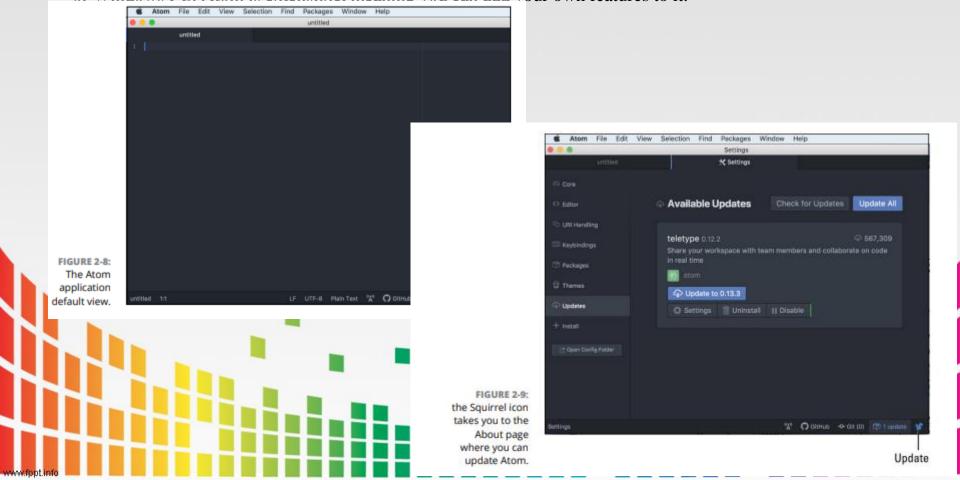
8. Set other preferences, such as the Editor and usage data, on the Advanced tab.

This book uses **Atom** and **Visual Studio Code** as example editors, but you can select whichever editor you prefer.



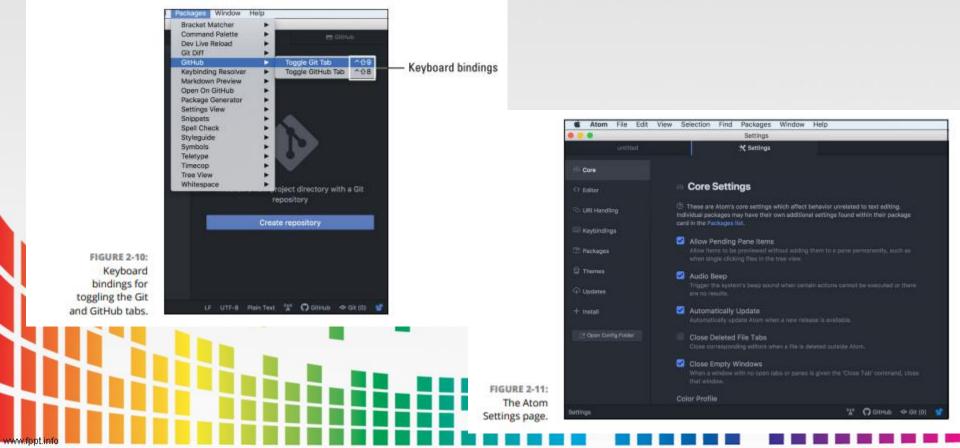
4. Introducing Atom

Atom is a free, open-source editor. Just like GitHub Desktop, Atom is built on Electron, making it work on Mac or Windows PC. Atom is extensible, meaning you can add your own features to it.



4. Introducing Atom

Atom is a free, open-source editor. Just like GitHub Desktop, Atom is built on Electron, making it work on Mac or Windows PC. Atom is extensible, meaning you can add your own features to it.



Chapter -3

Starting your First Solo Project:

- 1. Introducing GitHub Repositories
- 2. Setting Up a GitHub Website Repo
- 3. Creating a website with GitHub Pages



1. Setting up a Repositories:

A GitHub repository is a folder with all the files needed for your project, including the files that track all the versions of your project so that you can revert back if you make a mistake.

create your first GitHub repo::

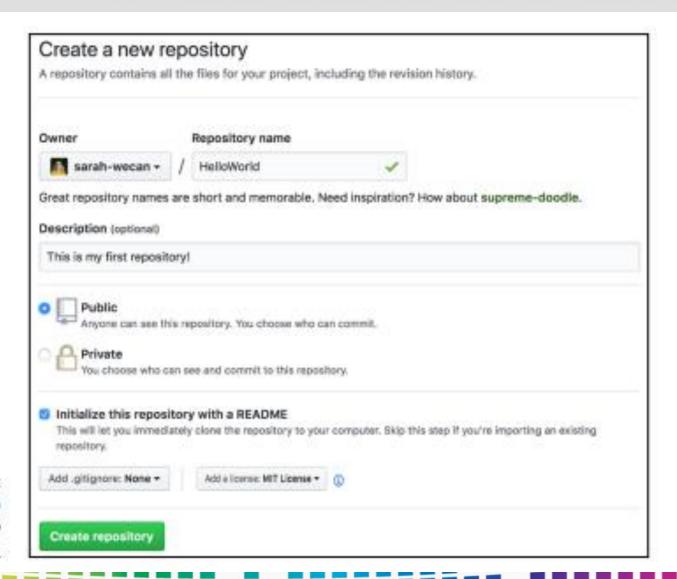
1. Go to the home page of GitHub.com by clicking the Octocat.

A list of your repositories appears on the bottom left side of the screen.

2. Click the green New Repository button.

The Create a New Repository dialog page, shown in Figure 3-1, opens





The page to create a new repository.

create your first GitHub repo::

3. Type the name of your repository in the Repository name text box.

I named my repository HelloWorld.

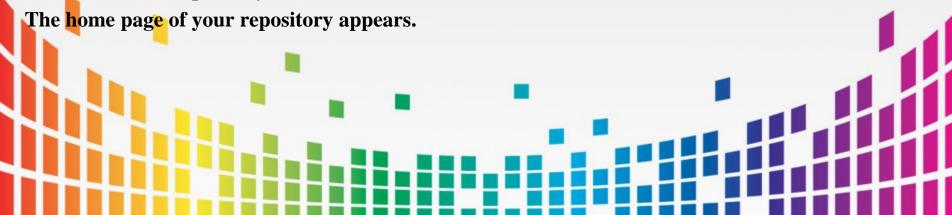
- 4. Type a short description in the Description text box.
- 5. Select the Public radio button.
- 6. Click the Initialize this repository with a README check box.

You do not need to add a .gitignore.

7. Choose a license from the Add a license drop-down list.

If you're interested in finding out more information about licenses, see the nearby "Software licenses" sidebar.

8. Click Create Repository.



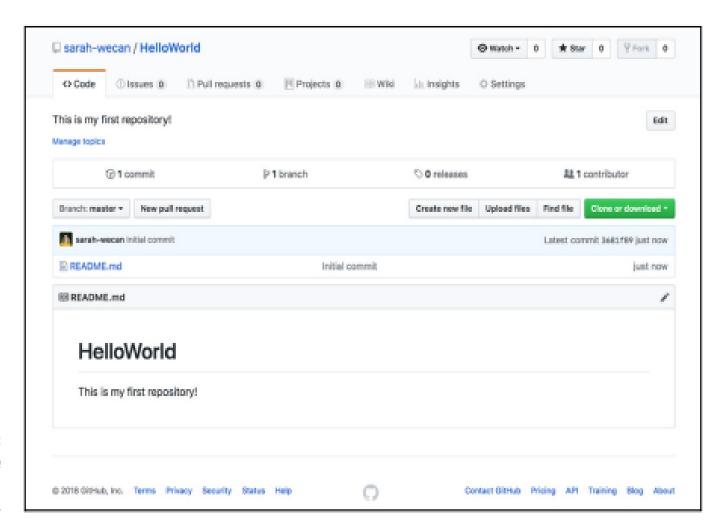


FIGURE 3-2:

The home page of my HelloWorld repository.

In Chapters 4 and 5, you can create a website for yourself. This website can link back to your repository.

1. Exploring Your Repository:

Top information

At the top of the repository is the username of the author and title of the reposi tory. When you fork a repository, you see the original author underneath for a quick link. To fork a repository is to make a copy of it, where the changes you make to your copy can be suggested to the original author.

To the right of your username are three buttons:

- **» Watch:** You can choose what kind of notifications you want to receive based on the type of activity happening on this repo.
- » Star: Starring can help you quickly navigate to certain repositories, as well as give GitHub insight into things you're interested in so that recommendations will be more accurate for you. To access your starred repositories, just click your avatar on the top right of GitHub.com and choose Your Stars.



1. Exploring Your Repository:

Tabs

Seven tabs appear across the top of your repo. Each tab provides different features for the repo:

- 1. Code: The Code tab is where you can find all your code and browse folders and files.
- 2. Issues: Issues can help you track things you want to still make, problems you're having, or suggestions for other people.
- **3. Pull requests:** Pull requests, also referred to as PRs, are similar to issues in that they have a title and a description, but they also have code changes that you're requesting to be pulled into the main branch. The safest way to contribute code is to create a new branch, make your code changes on that branch, and then request for that branch to be merged with the master branch.



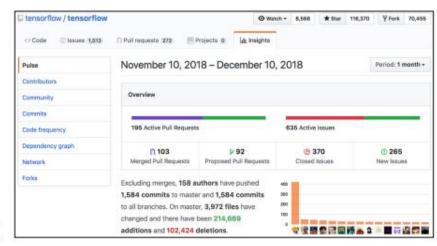
1. Exploring Your Repository:

Tabs

FIGURE 3-3:

The Insights tab.

- **4. Projects:** GitHub has project boards linked directly with your repo.
- **5. Wiki:** Wikis are a great place to store documentation, project status, and roadmaps for your project.
- **6. Insights:** The Insights tab, shown in Figure 3-3, gives you an overview of all collaborators and actions happening on the repo.
- 7. **Settings:** The Settings tab is visible only if you have the right permissions on the repository.

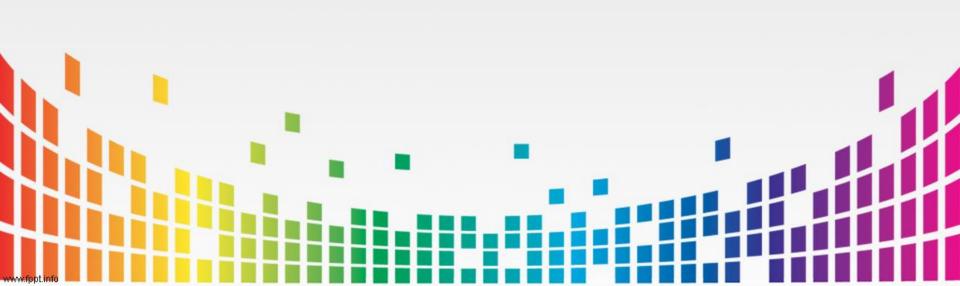




1. Exploring Your Repository:

Code Tab

The Code tab, shown in Figure 3-4, has a lot of additional important metadata about your reportant will come in useful in future development:



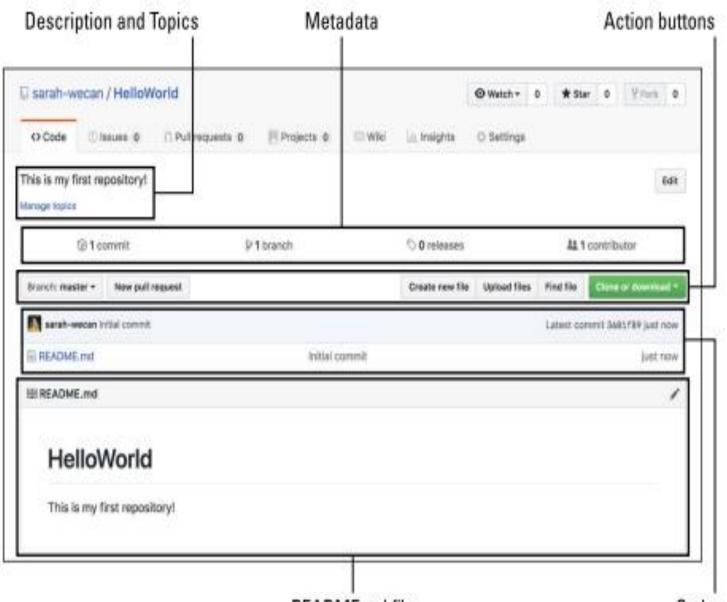


FIGURE 3-4: The Code tab.

README.md file

Cod

- » **Description and topics:** At the top of the Code tab is a description and a place where you can put in topics to make your repository more discoverable.
- Adding topics is particularly important if you want to attract other coders to help you build your software.
- » **Metadata:** This bar contains information and links to the number of commits, branches, releases, and contributors for the repo.
- » **Action buttons:** On the left side of the repo is a drop-down menu where you can change which branch you're looking at or browse the files for a particular branch. The New pull request button allows you to quickly create a pull request.



>> Code: At the bottom of the Code tab is a list of all the code in this repo. If a README.md file appears in this list, then the file shows up below the list. For any file, you can click the filename to go to a page where you can see the file and edit it if you want



Modifying README.md

The README.md file will often have the following sections:

- >> Project title and description
- >> Prerequisites for getting the project running on your local machine
- Instructions on installing the project (and any dependencies)
- >> Instructions on running tests to make sure that you haven't broken anything
- >> Instructions on deploying the project
- >> An overview of dependencies
- A link to the guide on how to contribute to the project, including a code of conduct
- >> The main authors or maintainers of the project
- A link to the license
- >> Any additional acknowledgements

Steps for Modifying README.md

1. Go to the Code tab of your repository and click the Upload files button. Steps 2 through 6 guide you through the page shown in Figure 3-5.

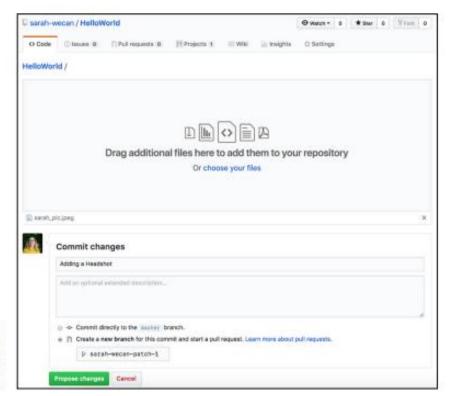


FIGURE 3-5: The page to add a file to the HelloWorld repository.

Steps for Modifying README.md

2. Find a headshot of yourself (or any picture that you want to be on your README) and upload it using the drag box.

Alternatively, you can click the Choose your files link and browse your files to find your photo.

3. Type a title in the text box Commit changes.

In this example, I added the title "Adding a Headshot."

4. Select Create a new branch for this commit and start a pull request.



Steps for Modifying README.md

5. Type a name for the branch, or you can leave the default name for the branch.

I left my default name, which is sarah-wecan-patch-1.

6. Then click the Propose changes button.

The Open a pull request page appears with your one commit to add a new headshot to your repo (see Figure 3-6



Steps for Modifying README.md

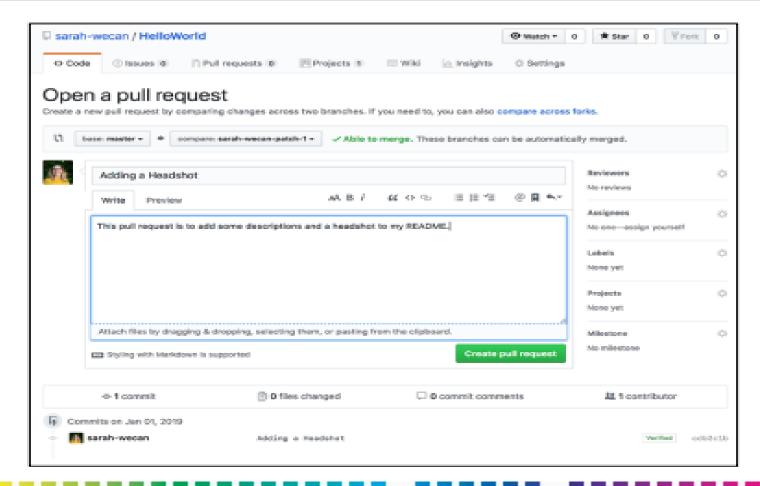


FIGURE 3-6: The Open a pull request page.

Steps for Modifying README.md

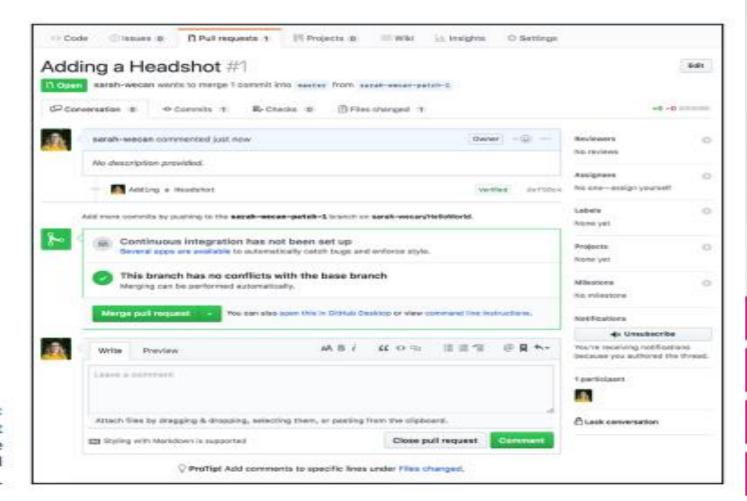
7. Add a short description to explain the change and then click the Create pull request button.

The Pull request tab displays your pull request with a title, number, status, description, list of commits, and a check to see whether it can be merged with master, shown in Figure 3-7.

- 8. Click the Code tab to go back to the code in your repo.
- 9. Click the branch drop-down list and switch to the branch you created in



Steps for Modifying README.md



The pull request description page for an open pull request.

Steps for Modifying README.md

10 Because your README file is still showing, click the little pencil so that you can change what the README says.

If it exists, a README file always appears below the list of files.

- 11. Using Markdown, write a little about yourself, including your career passions and some hobbies you enjoy.
- Figure 3-8 shows you an example of the type of information you may want to include.
- 12. Click the Preview changes tab above the text.
- A red line appears to the left of the first two lines to indicate they will be deleted (see Figure 3-9). Everything you wrote after that has a green line to the left of it to indicate that the text will be added to your description.
- 13. When you're satisfied with your description, scroll to the bottom of the file editor, add a title to the commit, and commit to the same branch you

Steps for Modifying README.md

12. Click the Preview changes tab above the text.

A red line appears to the left of the first two lines to indicate they will be deleted (see Figure 3-9). Everything you wrote after that has a green line to the left of it to indicate that the text will be added to your description.

13. When you're satisfied with your description, scroll to the bottom of the file editor, add a title to the commit, and commit to the same branch you just created.

You see your README.md file in its final state.

14. Click the HelloWorld link at the top where it says HelloWorld/README.mo to return to your code home page.

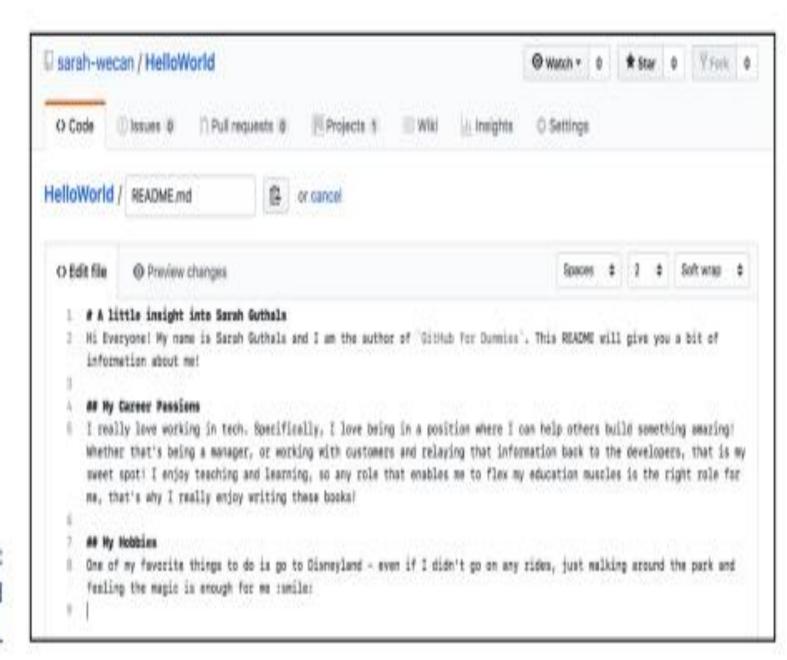


FIGURE 3-8: The README .md file in edit mode.

HelloWorld

This is my first repository!

A little insight into Sarah Guthals

Hi Everyone! My name is Sarah Guthals and I am the author of Github for Dumnies. This README will give you a bit of information about me!

My Career Passions

I really love working in tech. Specifically, I love being in a position where I can help others build something amazing!

Whether that's being a manager, or working with customers and relaying that information back to the developers, that is
my sweet spot! I enjoy teaching and learning, so any role that enables me to flex my education muscles is the right role.

for me, that's why I really enjoy writing these books!

My Hobbies

One of my favorite things to do is go to Disneyland - even if I didn't go on any rides, just walking around the park and feeling the magic is enough for me

FIGURE 3-9:

The README. md file in diff mode.

1. Introducing GitHub Repositories

Steps for Modifying README.md

- 14. Click the HelloWorld link at the top where it says HelloWorld/README.md to return to your code home page.
- 15. Add your headshot by clicking on the pencil above the README.md file and adding the following line:

![headshot](sarah_pic.jpeg)

- 16. Preview the changes.
- 17. Scroll to the bottom and commit your changes.

O Edit file

@ Preview changes



The README .md file in diff mode with the headshot added.

FIGURE 3-10:

A little insight into Sarah Guthals

Hi Everyone! My name is Sarah Guthals and I am the author of GitHub for Dummies . This README will give you a bit of information about me!

1. Introducing GitHub Repositories

Merging a Pull Request

 On the main Code tab, click the View #1 button to get to your pull request.

2. Click the Files changed tab to see all the changes made to

this repo

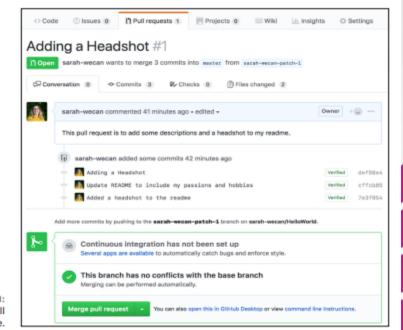


FIGURE 3-11: My pull request page.

1. Introducing GitHub Repositories

Merging a Pull Request

- 3. (Optional) To change the way you see the diff, click the Diff Settings drop-down list and then click Split then Apply and reload
- 4. In the Conversation tab, scroll to the bottom of the pull request and click the big green Merge pull request button.
- 5. Click Confirm merge.
- 6. Click Delete branch.



1. Creating a project board and an issue

- 1. Click the Projects tab and then click the Create a project button.
- 2. Add a project name and description.
- 3. From the preloaded Template drop-down list, select a project template and click the Create project button.
- 4. Click the Manage button at the bottom of the To do column to open the dialog box to choose what automation should happen.

1. Creating a project board and an issue

- 5. Click the Manage button at the bottom of the In progress column.
- 6. Click the Manager button at the bottom of the Done column.
- 7. Delete the cards that were automatically added to the To do column by clicking the three dots on the top right of each column and choosing Delete note from the drop-down menu that appears.

1. Creating a project board and an issue

- 8. On the Issues tab, click New issue.
- 9. Add a title and description to the new issue and then, on the right side, assign yourself to it
- 10. Link this issue with a project by clicking Projects and choosing Tracking Changes to HelloWorld.
- 11. Click the Submit new issue button.



2. Closing an issue

- 1. From the Code tab on your repo, click the pencil icon for the README.md file to edit the file.
- 2. Add a section at the bottom of the README.md file with your favorite books.
- 3. Scroll to the bottom of the page and add a title to the commit.
- 4. Choose Create a new branch for this commit and start a pull request.
- 5. Click Commit changes.
- 6. Add a description to the pull request.

2. Closing an issue

- 7. Link the project to this pull request.
- 8. Click Create pull request.
- 9. Return to your project board.
- 10. Click the pull request card title to preview the pull request.
- 11. Click the Files changed tab and then click View file.
- 12. Click the Back button on your browser.
- 13. If you're happy with the changes, click the Conversation tab, click Merge pull request button, click Confirm merge button, and then click the Delete branch button.
- 14. Click the Projects tab and choose the project that you created.

