Managing merge conflicts

The GitHub Training Team

Merge conflicts are a normal part of working in Git. Learn why they happen and how to resolve them with ease.

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Merge conflicts happen when two people make changes to the same file on GitHub—a common occurrence when you're working with other developers. While resolving differences might involve some discussion, merge conflicts don't have to be scary.

This course guides you through the steps to finding the best merge conflict solution, so your team can keep building.

What you'll learn

We'll answer common questions like:

- What is a merge conflict and what causes them?
- How do you resolve merge conflicts?
- How do you reduce merge conflicts?

And when you're done you'll be able to:

- Understand how merging happens and what causes merge conflicts

- Resolve simple and complex merge conflicts with ease
- Share best practices to reduce merge conflicts with your team

What you'll build

GitHub Teacher

Professional Trainer

Charting the knowledge of the Internet, just like Galileo charted the stars.

Contact me

Experience

GitHub, Inc.

GitHub Trainer • March, 2012 — Present

Teach all things Git, give away all the stickers, ensure world peace.

GitHub, Inc.

Supportocat, GitHub for Business • June 2016 — Present

Provide world class support to customers on the GitHub for Business platform

GitHub

Intern - Web Developer - Designer • June, 2017 — August, 2017

Redesigned the services.github.com website without a calendar

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Education

Udacity

Full Stack Webdeveloper Nanodegree • June, 2014 — January, 2015

Most Dedicated Student per Optional Activities Completed

Spent 6 dedicated months working 12 hour days to build out multiple real world apps and websites.

- Completed source repository
- Completed resume deployed to GitHub Pages.

Prerequisites

We recommend taking [Introduction to GitHub](#) prior to this course.

Projects used

This makes use of the following open source projects. Consider exploring these repos and maybe even making contributions!

- [resume-template](#): A simple Jekyll + GitHub Pages powered resume template
- [Jekyll](#): a simple, blog-aware, static site generator.

Audience

New developers, new GitHub users, users new to Git, students, managers, teams

▶ **Steps to complete this course** ⑦

Tags

● Git ● Merge conflicts ● GitHub

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Average time to complete

39 minutes

Free

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February 28, 2020

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What is GitHub Learning Lab?

Learn new skills by completing fun, realistic projects in your very own GitHub repository.

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