Create a release based workflow

The GitHub Training Team

Learn and practice a release-based workflow and explore branching strategies.

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When your team uses a release-based workflow, GitHub makes it easy to collaborate on your next big idea.

GitHub releases allow your team to package and provide software to your users based on a specific point in the history of your project. In this course, you'll learn how to create a release-based workflow that is built on the foundations of the GitHub flow.

What you'll learn
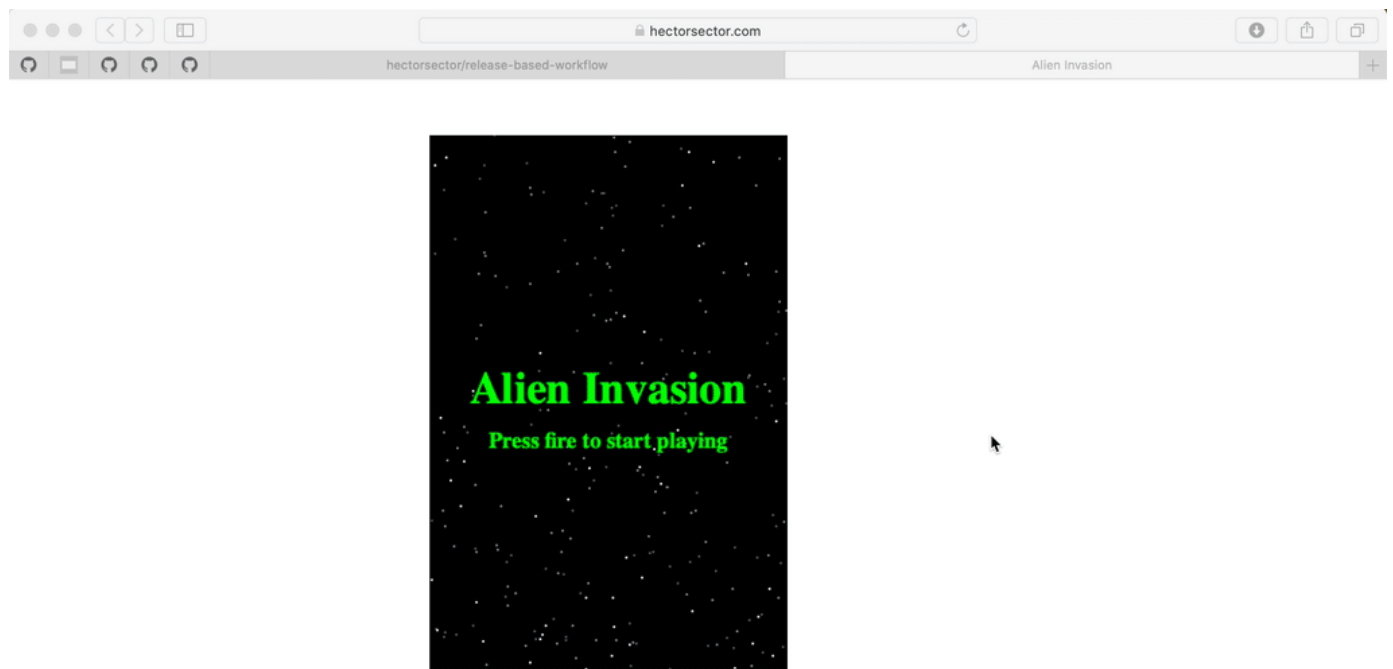
This course will answer common questions like:

- How do I choose a branching strategy?
- When should I use topic branches?
- When should I use release branches?
- How do I use the Projects tab on my repository?
- How do I create a release-centered workflow?
- How do I backport changes for a prior release?
- How do I implement a hotfix?

After completing this course, you'll be able to:

- Build a project board to manage your next release
- Create and commit changes on a release branch
- Create a Git tag and a release on GitHub
- Resolve bugs after a release
- Automate and better document your release changes

What you'll build

- Completed source repository
- Published releases created throughout the course
- Deployed AlienInvasion game which is the source code for this repository.

Prerequisites

We recommend you first complete the following courses:

- Introduction to GitHub to learn how to use pull requests, a feature heavily utilized in this course
- Reviewing pull requests for additional instruction on pull requests

Projects used

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

- cykod/AlianInvasion: Demo Game for Mobile HTML5 Game Development

Audience

Developers, DevOps Engineers, IT Operations, managers, teams

▶ Steps to complete this course **14**

Tags

● Protected branches ● Kanban ● Semantic versioning ● Projects ● GitHub Apps

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Average time to complete

90 minutes

Free

All public courses on Learning Lab are free.

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Latest release

March 3, 2020

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What is GitHub Learning Lab?

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

Ready to start learning?

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