In this Lab, you will:

1. Create a branch
2. Commit a file
3. Open a pull request
4. Merge your pull request

Please sign in to GitHub and create a repository from the link below and follow the steps:

https://github.com/new

## Step 1: Open a pull request

Welcome to "Review pull requests"! 👋

Let's get started by opening a pull request.

**What is a pull request?**: Collaboration happens on a pull request. The pull request shows the changes in your branch to other people. This pull request is going to keep the changes you just made on your branch and propose applying them to the main branch.

### ⌨️ Activity: Create a pull request

 Click on the **Pull requests** tab in your repository.

 Click **New pull request**.

 In the **base:** dropdown, make sure **main** is selected.

 Select the **compare:** dropdown, and click update-game.

 Click **Create pull request**.

 Enter a title for your pull request: Update the game over message.

 Enter a description for your pull request: Update the game over message so people know how to play again!

 Click **Create pull request**.

## Step 2: Assign yourself

Great job opening that pull request! 👋

**What is a pull request review?**: Reviewing a pull request is an opportunity to examine another contributor's changes and give them feedback. It's an awesome opportunity to learn more about how the project works and how others solve problems.

The best way to get a review is to ask for one. On GitHub, you can ask someone to review a pull request by assigning them as a reviewer or assignee. If you are not ready for review, consider [creating a draft pull request](https://docs.github.com/en/pull-requests/collaborating-with-pull-requests/proposing-changes-to-your-work-with-pull-requests/creating-a-pull-request) instead.

### ⌨️ Activity: Assign yourself

 Open the pull request you just created.

 Under **Assignees** on the right side of the screen, add yourself.

Because you created the pull request, you can't assign yourself as a reviewer, but feel free to assign a friend as a reviewer instead to see how it works 😄

## Step 3: Leave a review

You assigned yourself! 🎉

Pull request reviews ensure quality and maintain momentum of changes to your project.

#### When reviewing a pull request:

1. Review the title and body of the pull request, and possibly any associated issue, to understand the intended change.
2. Review the [diff](https://docs.github.com/en/get-started/quickstart/github-glossary#diff), the comparison of the proposed code, in the context of the whole project.
3. For most things, try out the proposed change. Check if the actual change matches the intention. Find the repository's [contributing guide](https://docs.github.com/en/communities/setting-up-your-project-for-healthy-contributions/setting-guidelines-for-repository-contributors) to find out how to review the changes.

#### In your review comments:

* Identify potential issues, risks, and limitations.
* Suggest changes and improvements.
* Share awareness of upcoming changes that the pull request doesn't account for.
* Ask questions to verify shared understanding.
* Highlight what the author did well and should keep doing.
* Prioritize the most important feedback.
* Be concise and provide meaningful detail.
* Treat the pull request author with kindness and empathy.

When an approval or request for changes is not yet needed, consider using **comments**. An **approval** lets the author know you believe the pull request is safe to merge. **Requesting changes** lets the author know you believe the pull request is not ready to merge.

### ⌨️ Activity: Leave a review

 On the pull request, click **Files changed**.

 Click **Review changes**.

 Add a comment with your initial thoughts on the pull request.

 Select comment. You won't be able to approve or request changes to your own pull request.

 Click **Submit review**.

## Step 4: Suggest changes

Nice work reviewing that pull request ✨

Now that you have explored the different ways you can review a pull request it is time to learn how to use suggest changes.

**What is suggest changes?**: This feature enables you to recommend a change to a pull request that the author can commit with the push of a button.

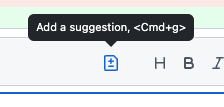
### ⌨️ Activity: Suggest changes

 On the pull request, click **Files changed**.

 Find the index.html changes.

 Hover your cursor next to the line numbers on the left side of the page.

 Click the blue plus icon.

 After the comment form appears, click the **Add a suggestion** button.   
[](https://user-images.githubusercontent.com/97056108/184449714-61e8ee51-824a-48c1-9436-2dfd67f2c070.png)

 Edit the suggestion.

 Click **Add a single comment**.

## Step 5: Apply suggested changes

Nicely done suggesting changes! 🥳

Now let's see how easy it is to [apply your suggestion](https://docs.github.com/en/pull-requests/collaborating-with-pull-requests/reviewing-changes-in-pull-requests/incorporating-feedback-in-your-pull-request).

### ⌨️ Activity: Apply suggested changes

 Click **Commit suggestion**.

 Type a commit message.

 Click **Commit changes**.

## Step 6: Merge your pull request

You can now [merge](https://docs.github.com/en/get-started/quickstart/github-glossary#merge) your pull request!

### ⌨️ Activity: Merge your pull request

 Click **Merge pull request**.

 Delete the branch update-game (optional).