

# Git and GitHub Exercise

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1. Create a new repo using the GitHub Web site. The procedure is around slide 75, and includes
  - On GitHub.com: Profile > Repositories > New
  - Name (`mytest`)
  - Description (brief descr)
  - `README` (yes, initialize it)
  - `.gitignore` (yes, choose R)
  - license (yes, select one)

This is an alternative to creating a repository through RStudio menus.

2. Update the `README` and the `.gitignore` file on the web, and commit your changes. To update the `.gitignore`, go to <https://www.gitignore.io>, and create a `.gitignore` with R, TeX, LaTeX, and anything else included that you'd like.
3. Clone the repo you created to your local machine.
4. Edit the `README` (or make any other change – add a `.R` file, etc.) to the **local files** and then commit and push them **at the terminal prompt**. This procedure starts around slide 103
5. On this test repo, add me as a collaborator (if you keep your repo private) or send me a link to it (if you make it public). You can always delete a repo.
6. Create an Issue and assign it to me. Give it a tag. For advice on writing Issues, see <https://wiredcraft.com/blog/how-we-write-our-github-issues/>.
7. Around slide 149, there is a tutorial for branching, merging, rebasing. Complete the intro sequence, try parts 1-3.
8. Make sure you've completed the practice exercise at slide 70.
9. As optional practice, take a directory you have created for a project and create a GitHub repo with it.