6.141/16.405 Robotics: Science and Systems

Laboratory Exercise 2-B Module 1: Setting up GitHub Account

Get the MIT GitHub account

Please follow the steps below which will help you set up a GitHub account and access to the base code for the course:

1. Create an account on `https://github.mit.edu` if you do not have one already. You will need a MIT Kerberos account to create one.
2. Fill in the form at `https://goo.gl/DDv5oX` with your MIT GitHub username.
3. Accept the invite from `rss2017-students` team of the RACECAR organization once we send it.

Congratulations! You are now officially part of the RACECAR community. However, you will have only read-access to the files shared with this team. These files are the base code for the class should you need to revert back to a working set up.

The VM has `git` installed. You will now start using MIT's GitHub Enterprise system following the steps below:

1. Execute the following commands in a terminal:
   - (a) `git config -global user.name "YOUR NAME"`
   - (b) `git config -global user.email "YOUR EMAIL ADDRESS"`

   where "YOUR EMAIL ADDRESS" is the email associated with the MIT GitHub account.
2. Open `https://github.mit.edu` and log in. Follow the instructions on this page: `https://help.github.com/enterprise/2.8/user/articles/creating-an-access-token-for-command-line-use/` Note that this is the password you use (instead of your Athena password) when cloning projects from MIT GitHub. Save the token in a text file on the VM.
3. Configure caching your GitHub password in Git using the commands below:
   - (a) `git config -global credential.helper cache`
   - (b) `git config -global credential.helper 'cache -timeout=3600'`

Create team organization & website

You will now create a new team organization and fork the repositories shared with `rss2017-students` team. This will allow you to freely change the code with version control.

One student from each team will create and set up the team organization following the steps below:

1. Create a new organization using the instructions in the link: `https://help.github.com/enterprise/2.8/user/articles/creating-a-new-organization-from-scratch/`

Please name the team as `rss2017-team[team number]`, e.g., `rss2017-team1`.

2. Add all your team members to the `Owners` team using their GitHub username which will give them read and write access to all repositories in this organization.

One student from each team will use github pages to create a website for their team.

1. Create a new website for your team organization using the instructions in the link:

`https://pages.github.com/`.

2. Create a team organization website, not a repository site.

3. Write a short introduction about your team! Each student should have a brief bio and photo.

All lab reports will be documented on your github site. More details about the deliverables for the report will be provided during communications courses.