

ECE 4501/6501, CS 6501: Advanced Embedded Systems In-Class Activity 0

Welcome to the Advanced Embedded Systems course!

One of our primary goals in this course is to create an active learning community where you apply the knowledge and skills learned in the class to design and validation of embedded systems in collaboration with your classmates. The main components of this course are team-based class activities and projects which are designed to achieve this goal.

To facilitate our collaborative activities, we will use GitHub (<https://github.com/>), a distributed version control and source code management service. You will each maintain online repositories under the course GitHub page (<https://github.com/UVA-embedded-systems>) or your GitHub account for submitting your code and reports for mini-projects and final project and collaborating with your team on the final project.

As the first class-activity, we invite you to get familiar with GitHub by completing the following steps. Please complete at least the steps 1 and 2 by next **Tuesday, Sep 1, 2020**. Note that GitHub commands are highlighted in **Bold** below:

1. Read the following starter guides on GitHub (approx. 1.5 hours): <https://guides.github.com/>
2. Sign up for a GitHub account and **fork** the following repository into your account: <https://github.com/UVA-embedded-systems/Class-Activity-0>
3. **Clone** your new online repository (https://github.com/YOUR_ID/Class-Activity-0) to your local machine in order to make changes in the next step.
4. Introduce yourself to the class by making the following edits in your local repository:
 - **Add** a new text file named after your UVA ID (e.g., *mkh3cf.txt*) and include the following information in it (each item starting in a new line):
 - Your name and your UVA ID
 - Your background in embedded systems design and programming, e.g., previous courses you have taken, projects you have done, platforms and programming languages you have used.
 - A short paragraph on your interests and what you expect to take out of this class.
 - Edit “*students.txt*” file by adding the following line to the end of it:
 - YOUR NAME, YOUR UVA ID, LINK TO YOUR NEW REPOSITORY.
 - e.g., Homa Alemzadeh, ha4d, <https://github.com/homa-alem/Class-Activity-0>
5. **Commit** all your changes and **push** them to your repository.
6. Create a new **pull request** to merge the changes from your repository to the class repository at: <https://github.com/UVA-embedded-systems/Class-Activity-0>
7. After your pull request is accepted by us and your changes to the “*students.txt*” file is merged with the changes made by your classmates, you will be able to see your changes in the class repository (<https://github.com/UVA-embedded-systems/Class-Activity-0>).

Completion of this activity counts towards your class participation grade. questions, feel free to post it on Piazza (<https://piazza.com/virginia/fall2020/ece45016501/home>).