Github	
Setup	
Install Git	Git for Windows Link: https://git-for-windows.github.io/ Version: 2.11.0 (as of 1/2/2017) Installation: accept all the default configuration during installation
Join the repository	You should receive an email inviting you to collaborate on the repository. Accept the invitation.
Fork the repository	In the top right corner of the repository page, click the button "Fork" Read more: https://help.github.com/articles/fork-a-repo/
Clone the forked repository to your local system	1. Click the button: "Clone or download", copy the web URL. This URL is like: https://github.com/<your_username>/C4SG.git 2. Click Windows Start button, launch "Git CMD" 3. Create a new directory <your_local_directory > to copy the repository locally > cd <your_prefered_path> > mkdir <your_local_repository_directory> > cd <your_local_repository_directory> 4. Clone the repository to local: > git clone https://github.com/<your_username> /C4SG.git Repository is copied locally to: <your_local_repository_directory>\<your_local_repository_directory>\C4SG
Sync your fork	You should sync your fork: - Before start your work each day, and - Before perform final test on your code change and create pull request
Check the current configured remote repository.	> cd <your_local_repository_directory>/C4SG > git remote -v This points to the fork. origin https://github.com/<your_username>/C4SG.git (fetch) origin https://github.com/<your_username>/C4SG.git (push)
Add upstream repositoryfor your fork	> git remote add upstream https://github.com/Code4SocialGood/C4SG.git
Verify the new upstream repository	> git remote -v Your fork is the "origin" and the repository you forked from is the "upstream". origin https://github.com/<your_username>/C4SG.git (fetch) origin https://github.com/<your_username>/C4SG.git (push) upstream https://github.com/Code4SocialGood/C4SG.git (fetch) upstream https://github.com/Code4SocialGood/C4SG.git (push)
Fetch from upstream repository	> git fetch upstream
Check out your fork's local master branch	> git checkout master
Merge the changes from upstream/master into your local master branch, without losing your local changes	> git merge upstream/master
Publish your local commits so fork is synced up with upstream	> git push
Development	
Check your current branch	> git branch
Create a branch for the issue you work on	> git branch <new_branch_name>
Switch to the created branch	> git checkout <new_branch_name>
Make code changes	
Check status	git status
Add the files you want to commit	git add <file_name>
Commit the changes	git commit -m "<commit_message> "
Push the change to the fork	git push origin <new_branch_name>
Create a Pull Request	Go to Github, click "New Pull Request" In the headfork, choose <new_branch_name> Click: Create Pull Request
Choose Assignee	Code4SocialGood
Useful Commands	
git log	
Branching Model	Protected branch
Dev Branch	master
Production Branch	release_xxx
Feature Branch	feature_xxx