IERG 4210 - Tutorial 2

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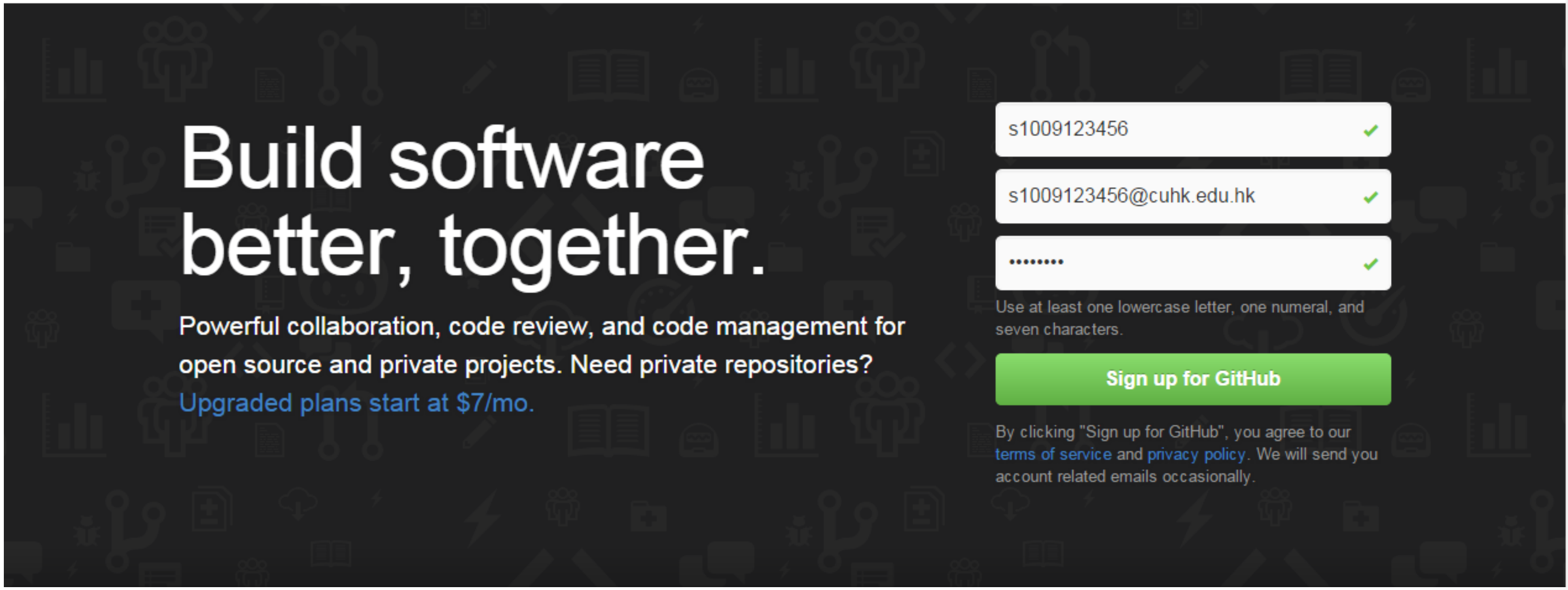
19 Jan 2015

GitHub - Registration

- Go to https://github.com/
- Use your SID and cuhk email as the username and email account
- (e.g. Username: s1009123456

  Email: s1009123456@cuhk.edu.hk)



Build software better, together.

Powerful collaboration, code review, and code management for open source and private projects. Need private repositories? Upgraded plans start at $7/mo.

s1009123456 ✓

s1009123456@cuhk.edu.hk ✓

•••••••• ✓

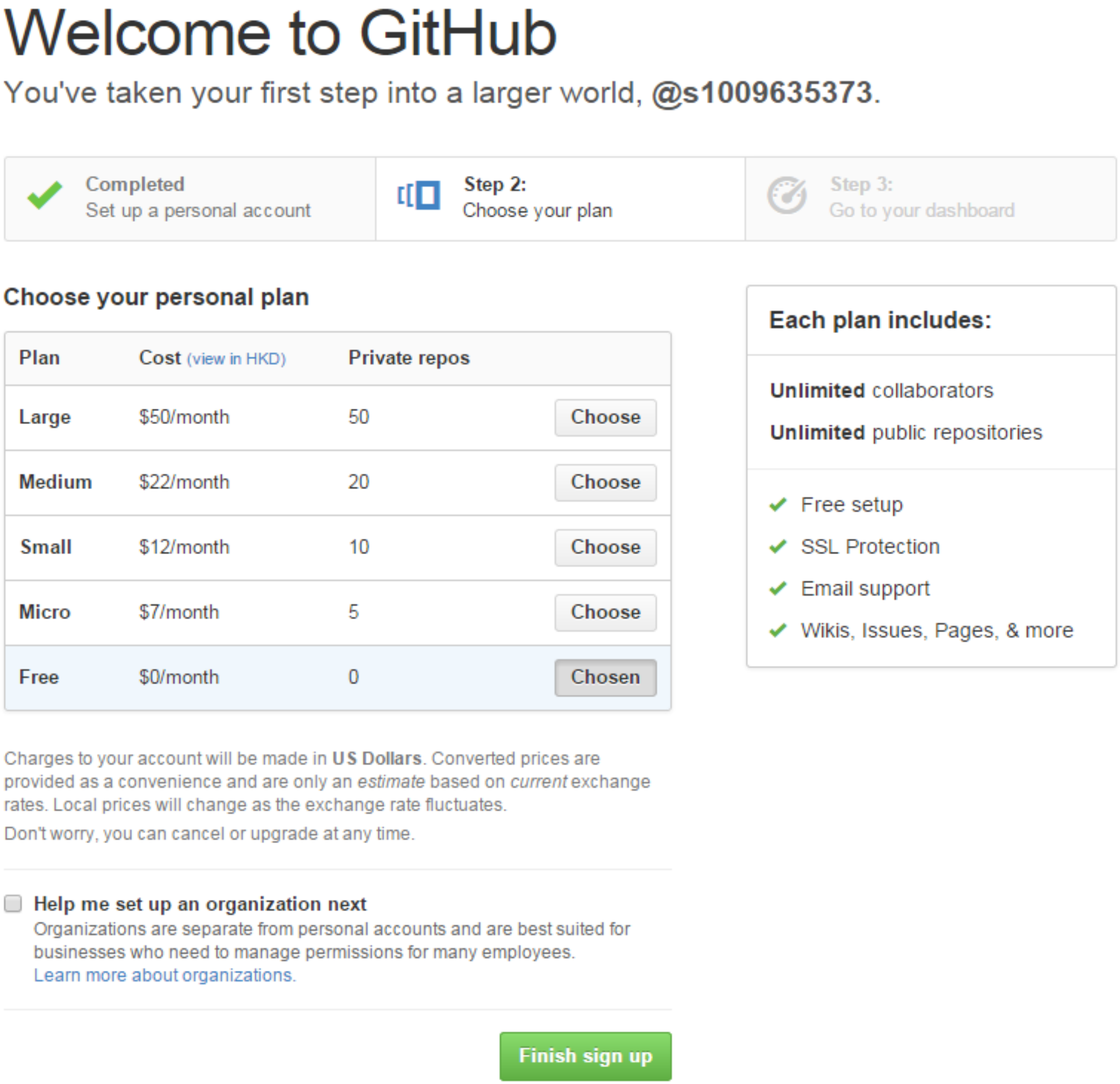
Use at least one lowercase letter, one numeral, and seven characters.

Sign up for GitHub

By clicking "Sign up for GitHub", you agree to our terms of service and privacy policy. We will send you account related emails occasionally.

GitHub - Registration

- Sign up! and Choose the Free Plan
- Don’t check “Help me set up an organization next”



Welcome to GitHub

You've taken your first step into a larger world, **@s1009635373**.

✓ Completed
Set up a personal account

Step 2:
Choose your plan

Step 3:
Go to your dashboard

Choose your personal plan

Plan	Cost (view in HKD)	Private repos	
Large	$50/month	50	Choose
Medium	$22/month	20	Choose
Small	$12/month	10	Choose
Micro	$7/month	5	Choose
Free	$0/month	0	Chosen

Charges to your account will be made in **US Dollars**. Converted prices are provided as a convenience and are only an *estimate* based on *current* exchange rates. Local prices will change as the exchange rate fluctuates.

Don't worry, you can cancel or upgrade at any time.

□ **Help me set up an organization next**
Organizations are separate from personal accounts and are best suited for businesses who need to manage permissions for many employees.
Learn more about organizations.

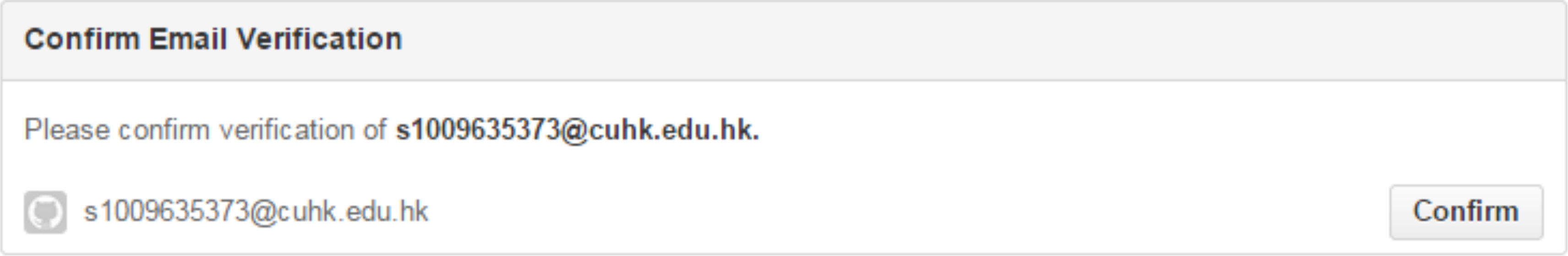
Each plan includes:

Unlimited collaborators
Unlimited public repositories

- ✓ Free setup
- ✓ SSL Protection
- ✓ Email support
- ✓ Wikis, Issues, Pages, & more

GitHub - Registration

- Check your CUHK email for the confirmation email.
- Fill in the “Github Account” survey in eLearn to let us know your account ID before Tuesday (20 Jan 2015) ends
- Check your email for invitation of ierg4210]
- You will see a shopXX for you (XX is a number)



Confirm Email Verification

Please confirm verification of **s1009635373@cuhk.edu.hk.**

s1009635373@cuhk.edu.hk

Github setup

- Download and install Git CLI (https://git-scm.com/downloads)
- Follow these steps to setup git for your assignment
- Change shop00 and s1009123456 to your shop and SID.

- Open terminal / cmd (Command is in RED)
- Create a folder for your shopXX (mkdir shop00)
- Go to the folder shopXX (cd shop00)
- Initial git (git init)
- Configure username and email

  (git config user.name s1009123456

  git config user.email s1009123456@cuhk.edu.hk)

Github setup

- Setup alias for remote repositories

  (git remote add origin https://github.com/ierg4210/shop00.git

  git remote add shop-samples https://github.com/ierg4210/shop-samples.git)

(Optional)

- Cache your credential

  Windows - (git config credential.helper wincred)

  Linux - (git config credential.helper cache)

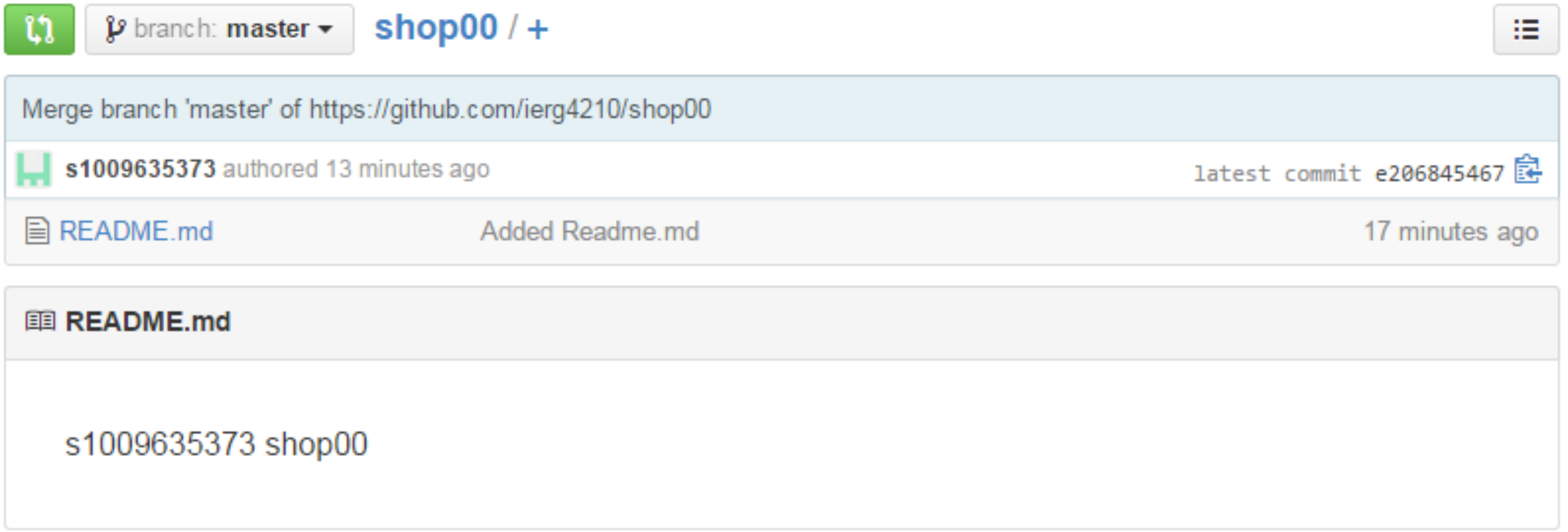
- Confirm what you just set (git config –l)

First New File

- Create a README.md file with your SID and shop ID

  Windows – notepad

  Linux (echo “s1009123456 shop 00” > README.md)



Merge branch 'master' of https://github.com/ierg4210/shop00

s1009635373 authored 13 minutes ago latest commit e206845467

README.md	Added Readme.md	17 minutes ago

README.md

s1009635373 shop00

Commit your first modification

- Add your change to your first commit (git add –A)

  (–A = all changes)
- Commit your changes (git commit –m “Added README.md”)

  (-m “X” = your comment)
- Push your changes to master branch (git push –u origin master)

Download Sample Code

- Switch to master branch (git checkout master)
  - See all the branches in shop00 (git branch –a)

    (* represents which branch are you in)
- Download phase 1 sample code (git pull shop-samples phase1)
- Save your commit comment

- There may be some merge conflict
  - Message: CONFLICT (content): Merge conflict in index.html
  - The conflict file will be marked like this

```
<<<<<<< HEAD
for phase1
Place your HTML here for the main page.

=======
For phase1, Place your HTML here for the main page.
>>>>>>> 40c0bb67006c8c4811b2ec066ac3672520d8065c
```

Your file

Shop-samples file

Download Sample Code

- Delete all the markers (e.g. <<<< =====) and decide how do you merge the changes
- Add all the changes and commit (git add –A and git commit –m “message”)
- Push to your shop (git push -u origin master)

Assignment Submission

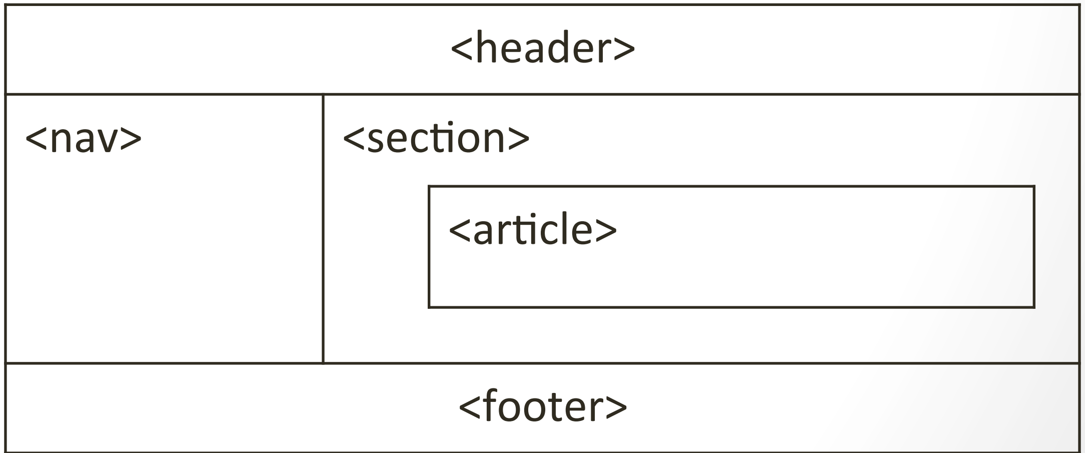
- Keep all your updates in the master branch
- When you are going to submit your assignment
  - Go to master branch, open a new branch for every phases, it will copy all the things in master branch (git checkout master, git checkout –b phase1)
  - Push it to the remote (git push –u origin phase1)

- Update Phase1
  - Go to phase 1 branch (git checkout phase1)
  - Merge the master branch with phase 1 (git merge master)

- Always check the status to see any new messages (git status)

Assignment Phase 1 Hint

- All the work can be done in client-side in this
- 1. HTML: Make use of semantic HTML throughout the whole assign.
  - <header> - specify a header for article or section
  - <nav> - defines a set of navigation links
  - <footer> - defines a footer for article or section
  - <article> - specifies independent, self-contained content
  - <section> - defines as a block of related elements
  - <ul>, <li>



<header>

<nav>

<section>

<article>

<footer>

Assignment Phase 1 Hint

- 2. CSS: Clean separation of HTML, CSS and JS code and files throughout the whole assign.
  - No inline CSS and JS are allowed
  - No styling in HTML, e.g. <center>, <div align="center">, etc
  - Tolerance: < 5 exceptions

- Define a class or specify ID for the elements your want to style or need to involve in js
  - Class – similar elements
  - ID – unique element
- Use a single or multiple CSS and JS files to include all the styles and scripts

Assignment Phase 1 Hint

- 3. Main page demonstrates the use of “CSS tableless” product list
  - Each product has at least its own thumbnail, name, price and addToCart button
  - When the thumbnail or name is clicked, redirect to the corresponding product page

- Use <section> to split the whole browser space
  - (Old way – use <frame>)
- Example - http://jsfiddle.net/jasongennaro/Y7K4D/

- Use handlerbars to load the product list for each category

Assignment Phase 1 Hint

- 4. Main page demonstrates the use of “CSS hover” shopping list
  - When displayed, it will cover any elements behind
  - Input boxes are used for inputting quantity of each selected product
  - A checkout button is used to submit the list to Paypal
  - The shopping list is displayed in both main and product pages

- These two lines can do the show and hide
- a div { display: none; }
- a:hover div {display: block;}

- Can store all the items in sessionStorage in this stage

Assignment Phase 1 Hint

- 5. Product page provides product details
  - To show a full-size or bigger image, name, description, price, and addToCart button

- Two methods:
  - Reload the page with product details instead of list of product using
    - $('content').html(product_details);
  - Create another page and pass the product ID by sessionStorage or URL parameters (shopxx.com/product.html?id=00)

Assignment Phase 1 Hint

- 6. Both main and product pages should include a navigation menu
  - e.g., Home or Home > Category1 or Home > Category1 > Product1
  - Those underscored are hyperlinks that redirect users to an upper hierarchy

- Can identify the location in URL parameter or sessionStorage

Assignment Phase 1 Hint

- 7. Branch out phase1 in your repository, where TAs can checkout for inspection

- Refer to page 11