# COMP9323 e-Enterprise project Brainstorming

Group 3: Bo Li, Hailun Zhang, Xiang Xiao, Ni Xin

## Code management features:

1. Collaboration
For a team, code management can help the group members complete code in remote way. It allows many developers to work on the same code without stepping one each other's toes.

2. History (Version Control)
Code management could log the history of code. It can track the complete development history of the software, including the exact changes which have occurred between releases and who made those changes. It is easy for users to recover code to the last stored version.

3. Change Notification
When the followed code has new version or update by developer, code management could notify the follower via email or other ways. Once the teacher updates the original code, students are able to get instant notification to see what is new.

4. Documentation
Since the code is managed in a clear way, it's no tough work to generate a document for this code.

## The platform we are about to use – Github:

The platform provides social networking functionality such as feeds, followers and the network graph to display how developers work on their versions of a repository. GitHub also operates a pastebin-style site called Gist, wikis for individual repositories, and web pages that can be edited through a Git repository.

Limitations and constrains of github:
According to the terms of service, if an account's bandwidth usage significantly exceeds the average of other GitHub customers, the account's file hosting service may be immediately disabled or throttled until bandwidth consumption is reduced.

## Online course sample study– MIT open courseware

As a famous educational institution, we had a look at some online courses available on MIT website, such as “Introduction to Computer Science and Programming”. During the teaching process, it provides lecture videos, lecture notes, code files and some sample questions.

## Why we need code management(tools):

Changes happen during programming of a project. A team need to integrate these changes into the ongoing program, and there must be a neat way of doing it, since one little change from a programmer may results huge difference to others in the team. Those code management tools help us to handle the changes and shares of code.

Another thing we are thinking about is that, during the educational process of a programming, (like the class mentioned above “Introduction to Computer Science and Programming”) we could apply the same code management function on that. The sample code of lecture could be released in Github. The students could follow this code and develop their own version of program through what they learn in the course.

## Group discussion pattern: Face-to-face, online chat tool