

# EBU6305

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# Interactive Media Design and Production

## Coursework

Dr. Xianhui Che

# Topics

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- Coursework Specification
- GitHub
- QMPlus Hub

# Learning Objectives

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- ▶ You are required to **plan, design, and then produce** a small interactive multimedia web application
- ▶ This is a group coursework in self-selected teams of 5 students.

Through this coursework you will gain first-hand practical experience with the following:

- You will apply the “media design process”.
- You will gain experience of using popular and powerful tools (HTML/CSS/JS).
- You will practice your interactive media design knowledge and develop your design and production skills.

# Multimedia Web Application

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For the coursework, you will create a website using interactive media to introduce **a province/city in China**.

The following considerations should be taken into account in the design and production:

- The purpose of the website is to attract one or more than one of the following:
  - For **tourists** to visit
  - For **investors** to do business
  - For **professionals** to work there
- Appeal is a priority of the website. It should promote and advertise the scenery, resources, culture, and prospects of the place.
- Wikipedia-style will not serve the purpose.
- *A hypothetical scenario: if your project is funded by the local government to achieve the above purpose, what will you do?*

# Requirements

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Your project must fulfil the following requirements:

- It must be designed for a well-defined **target audience**
  - Age: Children? Adults? Elderly? General public?
  - Gender: Women? Men? Everybody?
  - Background: Students? Professional? Commercial?
- It must be highly **interactive** and **dynamic**
- It must have a clear and well-defined purpose
- It must have a clear structure and screen layout
- It must deliver high user experience
- It must be **compatible** with all browsers and screen sizes
- **Creative** design and **visual impact** would be desirable

# Working as a Team

- ▶ All teams must have 5 students exactly
- ▶ Each team must have one team leader
- ▶ You should join a team on **QMplus** (use the “Join a Coursework Group” assignment)
- ▶ If you haven’t joined a team by **20<sup>th</sup> March, Monday, 2023**, you will be allocated to a team at random



## Join a coursework group

☐ Edit  

Choose and join your coursework group here. Each group should include 5 students exactly. There are two groups that allows for 6 students. Allocation is on a first-come-first served basis.

The link will open after all students have take the lecture of the coursework handout, which will means:

**The link will open at 8:30 GMT (16:30 Beijing Time), Thursday, 16th March.**

**Deadline for joining a group is 20th March, Wednesday 2023.**

If you don't choose a group by then, you will be allocated with a group randomly.



# Production Management



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- The production process should be managed by a proper version control approach.
- Each project team must work on an online repository on a Hub.
- **The Hub:**
  - **GitHub** is recommended.
  - **QMPlus Hub** can be used if you have problems with accessing GitHub.
- Each group will be assigned with a TA, so make sure your TA has access to your Hub.

# Final Coursework Submission

- Deadline: **23:59, 21<sup>st</sup> April 2023, Friday.**
- Submission link is open from 17<sup>th</sup> April, Monday.
- One submission per team
- Three files to submit:
  - Zip the entire project folder into one file
  - Demo video of the product
  - URL link of your Hub (Make sure your TA has access)
- If files are too large, you can upload elsewhere and provide a link.
- As usual, do not wait until the last minute to submit

 **Final Submission of Coursework** 

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Only one submission per group is required. Please submit three files:

- Please zip your project folder as one file and then submit. (If your zipped file is too large, you can upload it to a cloud and provide a download link here.)
- Demo video of your product. (If your video file is too large, you can upload it to a cloud and provide a download link here.)
- URL link of your Hub (whether you are using GitHub or QMPlus Hub, make sure your TA have access)

**Submission deadline is 23:59, 21st April 2023, Friday. (Beijing Time)**

The link opens from 9:00, Monday, the 17th April.



# Allocation of TAs

- It is your responsibility to offer the assigned TA the access to the Hub.
  - The main project repository **MUST** give access to the assigned TA.
  - In case of GitHub (not applicable to QMPlus Hub), forked repositories from individual team members do **NOT** need to include the TA. **Otherwise, it may cause confusion – the main repository should be the one to be marked as it includes all members' activities.**

Group Number	TA Name	TA Email	GitHub Account
1 - 8	Yiming Zhou	<a href="mailto:zhouyiming@bupt.edu.cn">zhouyiming@bupt.edu.cn</a>	<a href="mailto:466018364@qq.com">466018364@qq.com</a>
9 - 16	Chenwei Yan	<a href="mailto:chenwei.yan@bupt.edu.cn">chenwei.yan@bupt.edu.cn</a>	<a href="mailto:chenwei.yan@bupt.edu.cn">chenwei.yan@bupt.edu.cn</a>
17 - 24	Anyi Zhang	<a href="mailto:zhanganyi@bupt.edu.cn">zhanganyi@bupt.edu.cn</a>	<a href="mailto:zhanganyi@bupt.edu.cn">zhanganyi@bupt.edu.cn</a>
25 - 32	Xinyu Li	<a href="mailto:lixinyu2017@bupt.edu.cn">lixinyu2017@bupt.edu.cn</a>	<a href="mailto:lixinyu721">lixinyu721</a>
33 - 40	Yiming Zhou	<a href="mailto:zhouyiming@bupt.edu.cn">zhouyiming@bupt.edu.cn</a>	<a href="mailto:466018364@qq.com">466018364@qq.com</a>
41 - 47	Guangping WANG	<a href="mailto:1241869186@qq.com">1241869186@qq.com</a>	<a href="mailto:1241869186@qq.com">1241869186@qq.com</a>

# Coursework Calendar

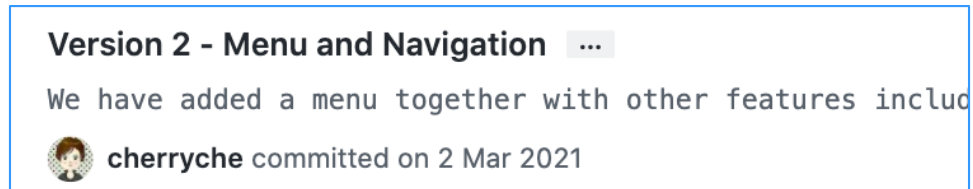
WK	Commencing	Activity and Deadline
5	20 Mar	Join a team ( <b>5 students exactly</b> ) on QMplus by <b>20<sup>th</sup> March 2023, Monday</b> . The team leader must create a repository on the Hub and invite team members to join by <b>24<sup>th</sup> March 2023, Friday</b> . Team information on the Hub by <b>24<sup>th</sup> March 2023, Friday</b> . In case of GitHub, each member should have their own GitHub account in order to contribute to the main repository of the project, e.g. fork, pull request, etc.
6	27 Mar	Brainstorm evidence on the Hub by <b>31<sup>st</sup> March 2023, Friday</b> . * Wireframe design on the Hub by <b>31<sup>st</sup> March 2023, Friday</b> . *
7	3 Apr	Release of the 1 <sup>st</sup> version on the Hub by <b>7<sup>th</sup> April 2023, Friday</b> . *
8	10 Apr	Release of the 2 <sup>nd</sup> version on the Hub by <b>14<sup>th</sup> April 2023, Friday</b> . *
9	17 Apri	Release of the 3 <sup>rd</sup> version on the Hub by <b>21<sup>st</sup> April 2023, Friday</b> . * Submit your final coursework on QMplus by <b>21<sup>st</sup> April 2023, Friday</b> .

*Hub refers to GitHub or QMPlus Hub.*

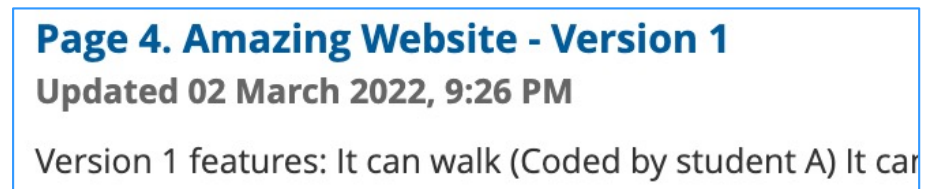
\* Your activities on the Hub will be checked against each due dates.

# Number of Commits

- Every member has the right to commit on the repository.
- There is no limit on the number of commits or versions.
- **Major versions (v1, v2, v3 ...)** should be stated clearly.



GitHub



QMPlus Hub

- You can also have minor version, such as v1.2 or v1.3.1.a, etc. Each team can take the liberty to decide version numbers and/or names.

# Demo Video

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## Video capturing:

- Any screen-capturing software is fine, e.g QuickTime Player, Echo360, smartphones, or OBS (available for free at <https://obsproject.com/>).

## Requirements of demo video file:

- Recommended length: 3 minutes. Do not exceed 5 minutes long.
- Maximum file size: 50MB
- The quality of the video will not be assessed (although a low-resolution or a poorly-presented video file may not help.)
- Most well-known video file formats are accepted (Try not to use any rare file types.)

## Contents of the demo video:

- The main homepage, and the navigation of primary menu, secondary menus, etc.
- Important or worth-noting features
- Change web browser size to show compatibility
- Annotation and narrator are optional, as long as the video makes a good pitch of the product.
- **Marks will not be awarded for features that are not presented in the demo video.**

# Assessment Weighting

- The Coursework is worth **15%** of the final mark for the module
- You will receive a mark out of a 100 which will be scaled to 15% for the whole module.
- Marks will be distributed as follows:

Component	Marks	Type
Contribution on the Hub	20 marks	Individual
Final submission on QMplus	80 marks	Group
Total	100 marks	

# Marking of Contribution on the Hub

The marking criteria of the GitHub contribution:

Activity	Detail	Max
<b>Brainstorm</b>	The participation in the discussions of the project ideas. Contributions are made before <b>31<sup>st</sup> March 2023, Friday</b> .	4
<b>Wireframe Design</b>	The participation in the creation of wireframe design or the discussion/feedback on the design. Contributions are made before <b>31<sup>st</sup> March 2023, Friday</b> .	4
<b>Version 1</b>	The participation in developing the 1 <sup>st</sup> version of the product. Contributions are made before <b>7<sup>th</sup> April 2023, Friday</b> .	4
<b>Version 2</b>	The participation in developing the 2 <sup>nd</sup> version of the product. Contributions are made before <b>14<sup>th</sup> April 2023, Friday</b> .	4
<b>Version 3</b>	The participation in developing the 3 <sup>rd</sup> version of the product. Contributions are made before <b>21<sup>st</sup> April 2023, Friday</b> .	4
Total		<b>20</b>

# Marking of Final Submission

The marking criteria of the final coursework:

Criteria	Detail	Max
Structure & Navigation	Clearly designed structure. The navigation of pages within the site should be intuitive. Breadcrumb navigation. Head icon linked to homepage.	10
Information	The content of the website should be informative for the specified purpose. Sufficient information should be provided to users.	10
User Interaction	Proper UI components should be used appropriately to allow users to interact with the content and be engaged with the process.	10
Consistency	Information and UI components should be presented with consistent styles and format.	10
Compatibility	The website should be compatible with different browser window sizes and mobile phone display.	10
Visual Impact	There should be efforts in the colour consideration, graphics and animations. Aesthetics will not be judged.	10
Tolerance	The website should ideally be free from internal errors, in the meantime condoning users to make reasonable mistakes.	10
Creativity & Innovation	This component assesses the originality in various design considerations.	10
Total		80

# Showreel from Last Year

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- Try to be **creative**!
- Now let's watch a collection of students' work from last year.
- The theme was **e-learning** on a range of subjects including maths, Chinese, computing, geography, history, music, PE, and cookery.





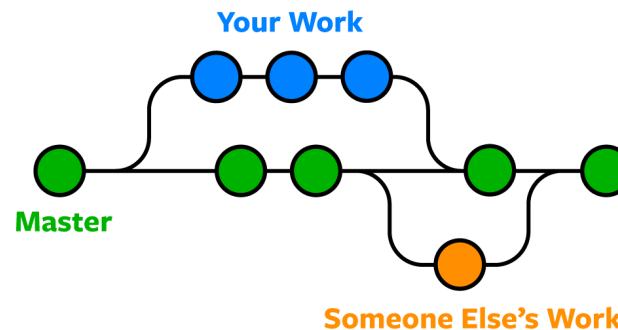
# Topics

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- Coursework Specification
- GitHub
- QMPlus Hub

# GitHub Version Control

- Each group should have one **private** repository on GitHub to manage the production process.
  - See an example template here: <https://github.com/cherryche/EBU6305>
  - **Additional GitHub tutorial** is given on QMPlus/Coursework
- All members of group should be collaborators to the repository. **The assigned TA should be invited to the project repository.**
- All members will need to make changes to the main branch. (There will be traces on GitHub!)



- Each member should have their own GitHub account in order to contribute to the main repository of the project, e.g. fork, pull request, etc. **Forked repositories don't need to include the TA.**

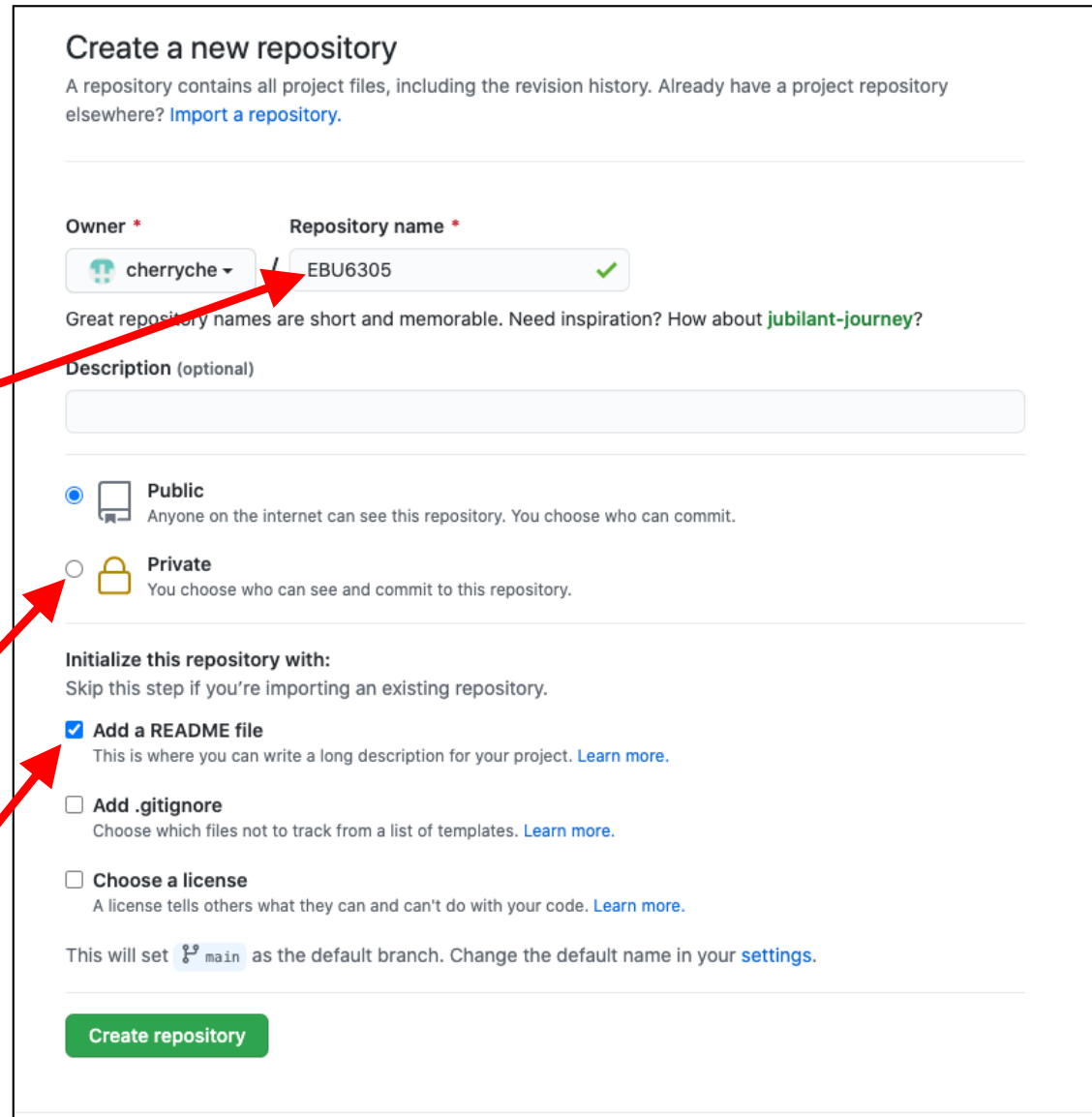
# GitHub – Private Repository

The team leader must create the private repository, with a unique repository name:

2023EBU6305G\*\* (\*\* is your group number on QMplus)

Make sure to choose “private”

Initialise with a ReadMe file



**Create a new repository**  
A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Owner \* cherryche Repository name \* EBU6305 ✓

Great repository names are short and memorable. Need inspiration? How about [jubilant-journey](#)?

Description (optional)

☒ **Public**  
Anyone on the internet can see this repository. You choose who can commit.

☐ **Private**  
You choose who can see and commit to this repository.

**Initialize this repository with:**  
Skip this step if you're importing an existing repository.

☒ **Add a README file**  
This is where you can write a long description for your project. [Learn more.](#)

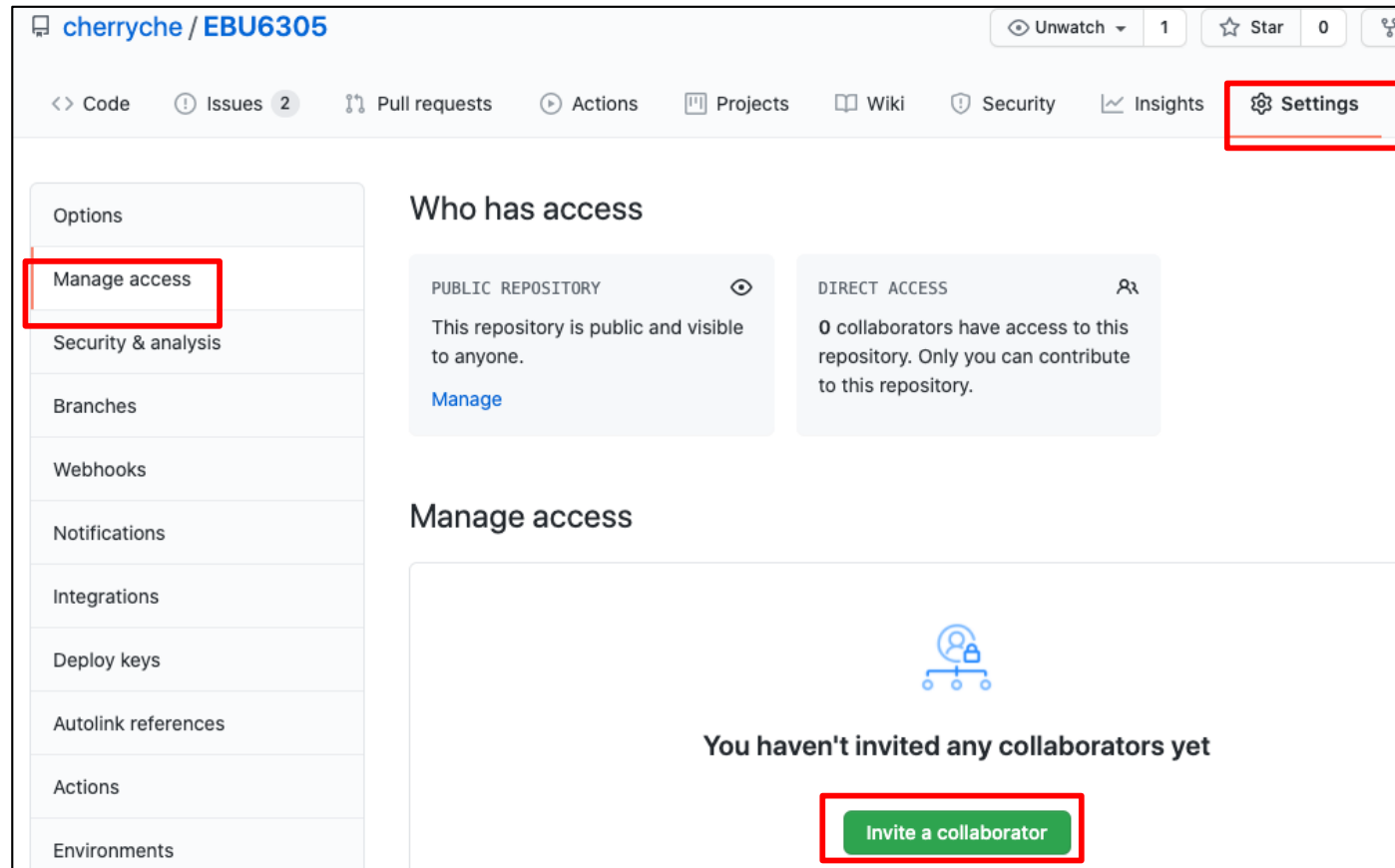
☐ **Add .gitignore**  
Choose which files not to track from a list of templates. [Learn more.](#)

☐ **Choose a license**  
A license tells others what they can and can't do with your code. [Learn more.](#)

This will set `main` as the default branch. Change the default name in your [settings](#).

[Create repository](#)

# GitHub – Collaborators



All members should be collaborators to the repository.

Settings →  
Management  
Access → Invite  
Collaborator

Do not forget to invite your TA if it is the main project repository!

# GitHub – ReadMe

README.md

**EBU6305**

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**Group Number:** 2020EBU6305G\*\*

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**Project Title:** XXXXXXXXXXXXXXXXXXXX

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**Members:**

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Name, BUPT Student Number, QM Student Number, Email

Name, BUPT Student Number, QM Student Number, Email

Name, BUPT Student Number, QM Student Number, Email

Name, BUPT Student Number, QM Student Number, Email

Name, BUPT Student Number, QM Student Number, Email

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**Assigned TA:** XXXXXXXX

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Click to edit

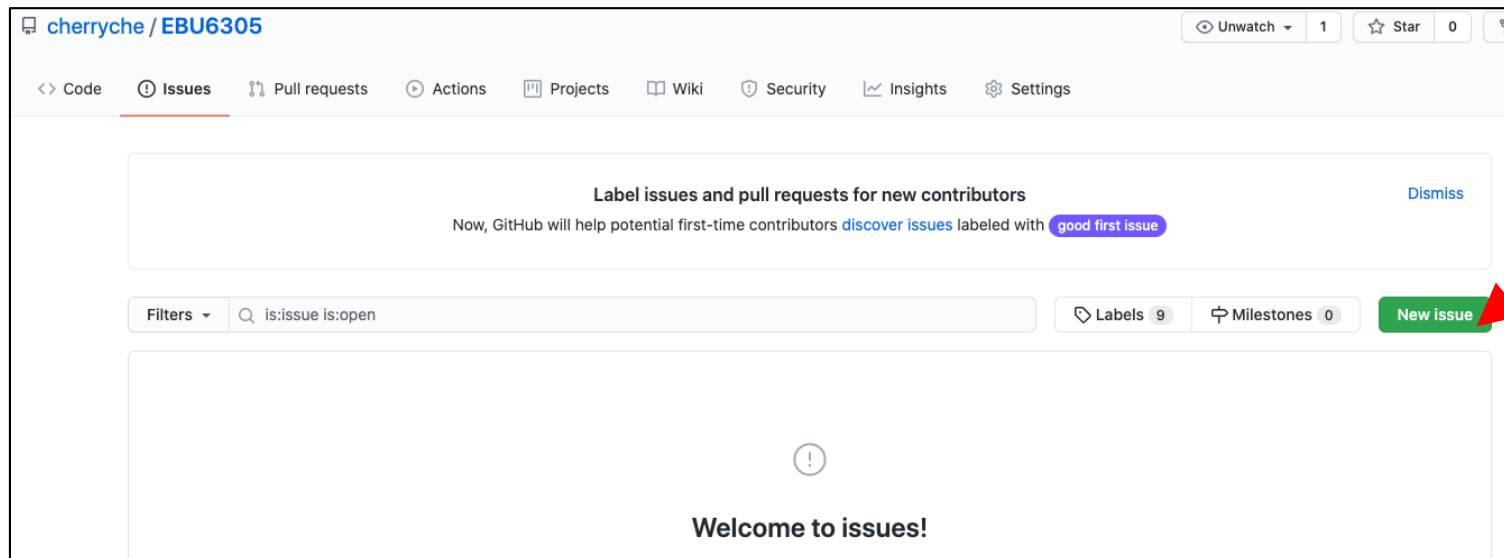
Please include:

- Group number
- Project title
- Members' info
- Assigned TA

Formatting Readme:

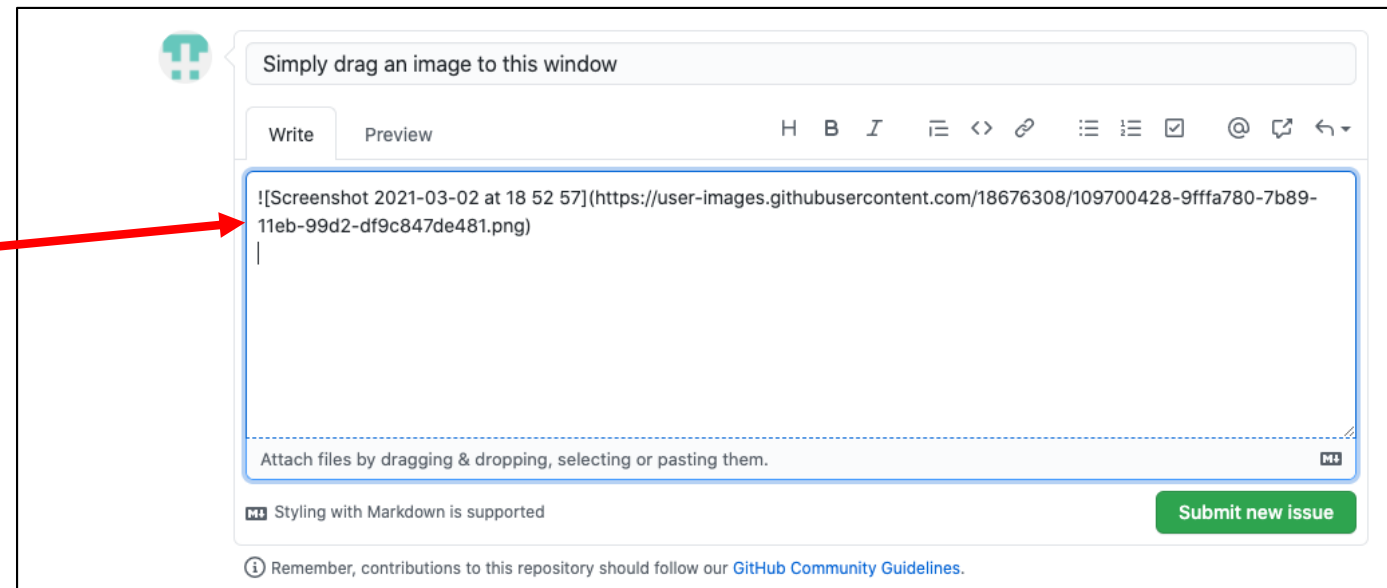
<https://docs.github.com/en/github/writing-on-github/basic-writing-and-formatting-syntax>

# GitHub – Issues



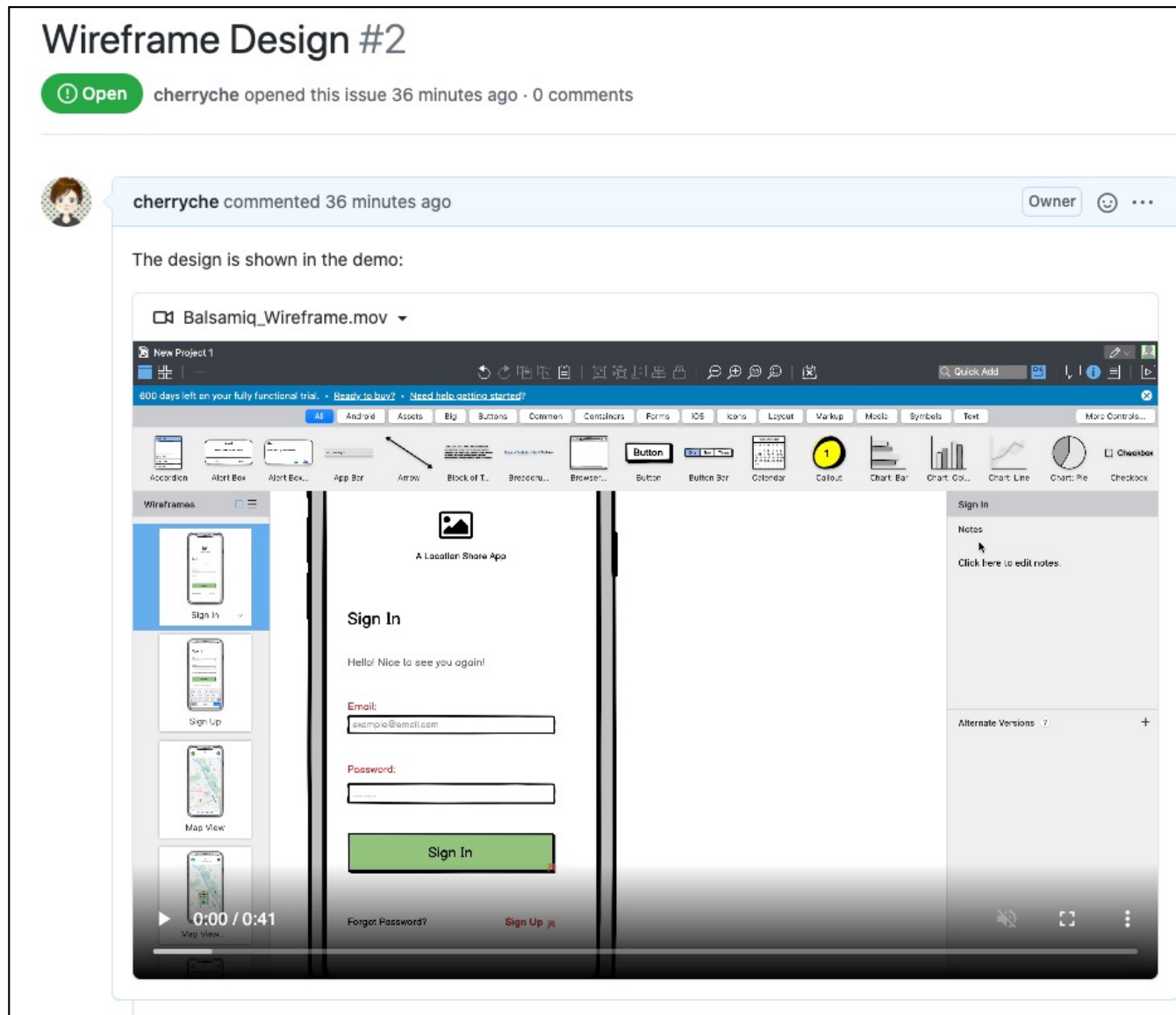
Create a new issue

Images and videos can be dragged directly to the window to upload.





# GitHub – Issue about Wireframe



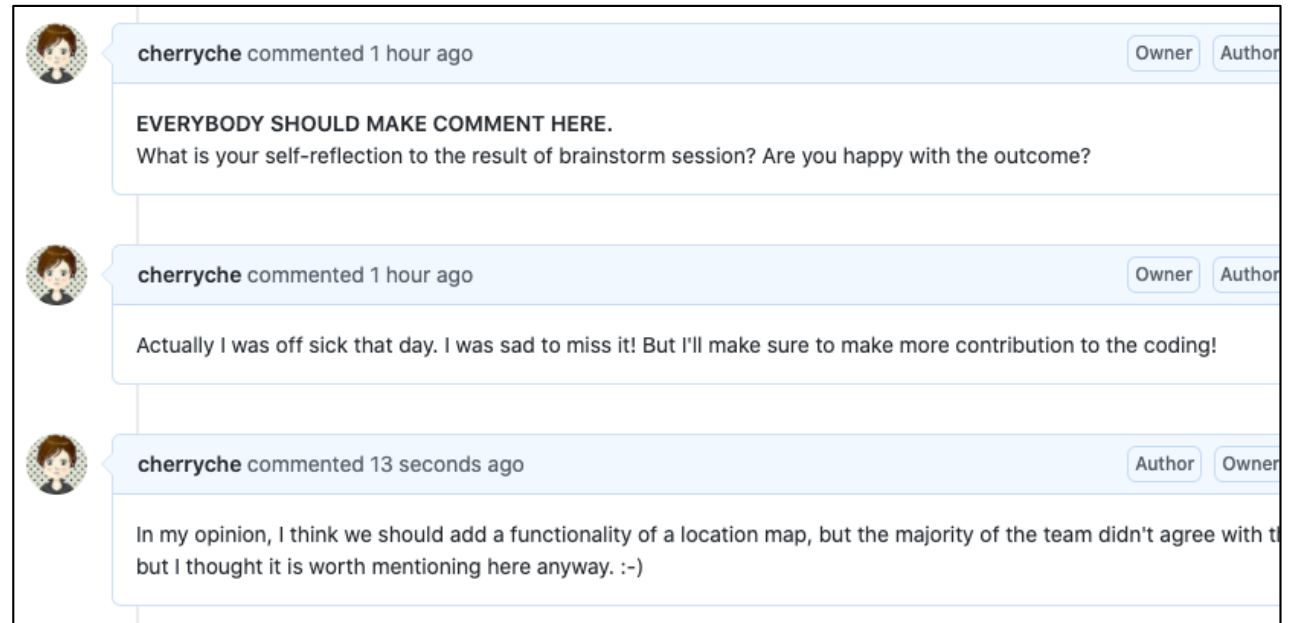
Either include either multiple images or a short demo video.

Everybody should also upload their own comments to state their individual contribution in the wireframe design.

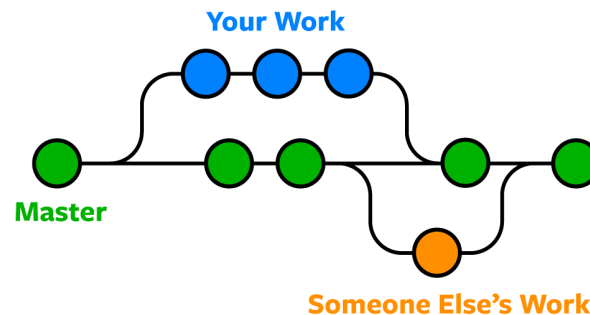


# GitHub – Member Contribution

- Every member must make contribution and be highly active in the project.
- Active in comments:



- Active in commits:



*The graph can be viewed at:  
Insights → Network*

# Topics

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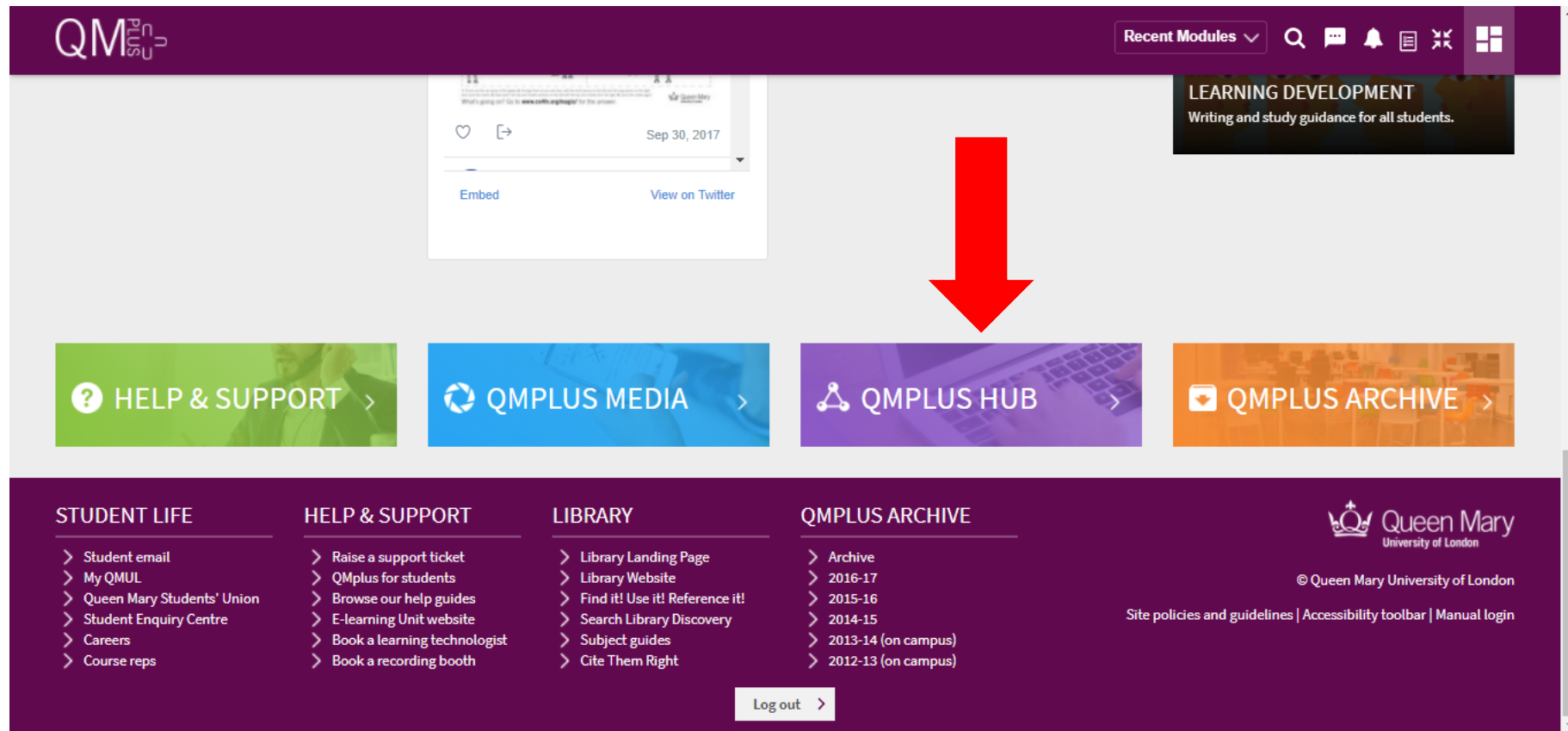
- Coursework Specification
- GitHub
- QMPlus Hub

# Cannot Access GitHub?

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- If you have difficulties with accessing GitHub, you can use an alternative tool – **QMPlus Hub**.
- QMPlus Hub is not exactly designed for version control, but is an ideal alternative that offers what we need.

# QMplus Hub



<https://hub.qmplus.qmul.ac.uk/>

# QMplus Hub



**Welcome**

QMplus Hub is a fully featured electronic portfolio system with social networking features to create online learning communities. It is made available as part of the QMplus learning environment for staff and students at Queen Mary University of London.

For more information about how you can use QMplus Hub to help you with your learning and networking you can access the [Help area](#) of QMplus.

- Support Groupwork**  
Students and staff can easily set up private or public groups within QMplus Hub.
- Collate Evidence**  
Use portfolio pages to collate evidence of your learning and personal development.
- Showcase Achievements**  
Curate a collection of digital objects that showcase your academic journey.
- Promote Yourself**  
Simply and quickly publish media-rich portfolio pages and share them with others.
- Reflect on your learning**  
QMplus Hub provides a way to nurture a continuous process of reflective learning.
- User Guide**  
QMplus Hub is based on open source software called 'Mahara', find out more.

✕ Hide information box

Guidance  
available

# Setting Up a Group

Your group name must be the unique CW group name: **2021EBU6305G\*\***

View an example from a pre-built group below:

<https://hub.qmplus.qmul.ac.uk/group/ebu6305-group>

## EBU6305 Coursework Group

This is a template for the coursework.

**Group administrators:** Xianhui Che

**Members:** 1

Make sure to invite your TA to your group.

## Page 1. Group Details

by [EBU6305 Coursework Group](#)

**Group Number: 2020EBU6305G\*\***

**Project Title: XXXXXXXXXXXXXXXXX**

### **Members:**

Name, BUPT Student Number, QM Student Number, Email

Name, BUPT Student Number, QM Student Number, Email

Name, BUPT Student Number, QM Student Number, Email

Name, BUPT Student Number, QM Student Number, Email

Name, BUPT Student Number, QM Student Number, Email

**Assigned TA: XXXXXXXX**

## Page 2. Brainstorm Session

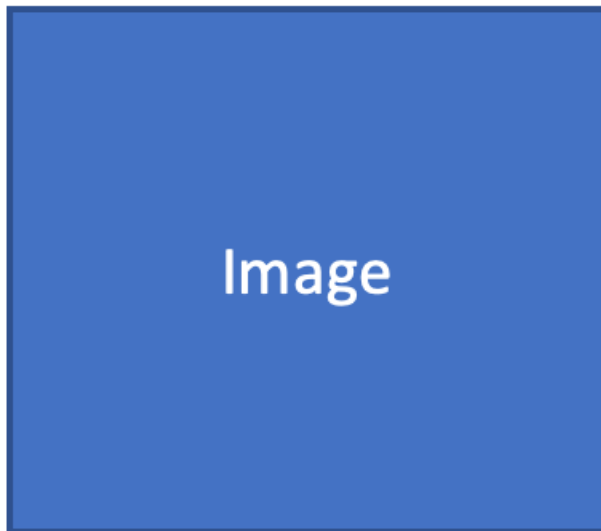
by EBU6305 Coursework Group

**Goal of the Project:**

**Target Users:**

**Context of Use:**

**Evidence of Brainstorm Session:**



Please include:

- **Project Goal**
- **Target Users**
- **Context of Use**
- **Evidence of brainstorm**  
which can be a  
picture/doodle of your  
meeting summary  
(everybody should also  
upload their own notes of  
the meeting.)



# Page 3: Wireframe Design

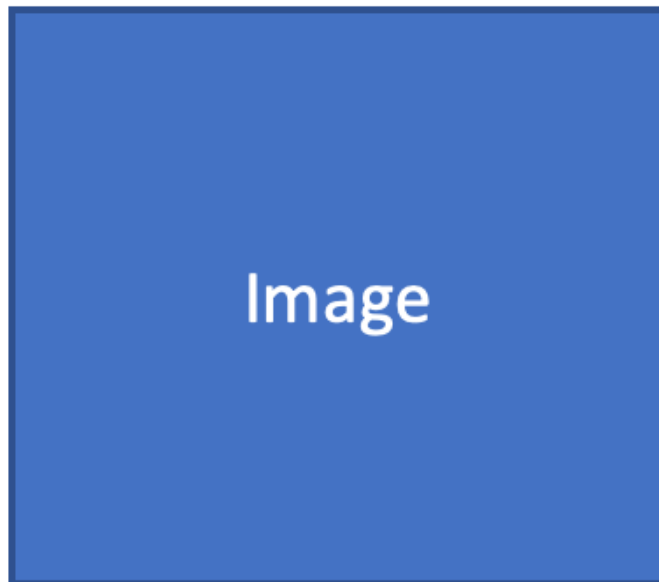
## Page 3. Wireframe Design

by [EBU6305 Coursework Group](#)

Edit ...

The design is shown in the demo: [Insert a video link here if you like. Unfortunately QMPlusHub does not support video uploading, so you will need to upload it elsewhere on a cloud and then provide a link here.]

Alternatively, you can upload multiple images, for example:



Either include either multiple images or a short demo video.

Everybody should also upload their own comments to state their individual contribution in the wireframe design.

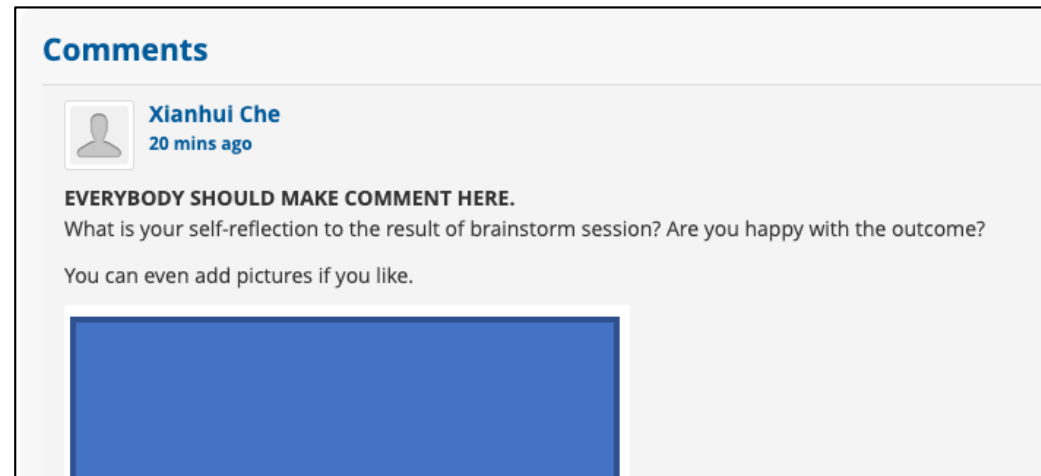
# Page 4+: Release of Version x.x

- Create as many pages as you need to from this point onwards.
- Evidence of the production for each version release:
  - Description of new features on the page
  - Screenshots on the page
  - Upload the zipped file in the Comments section within the page.

The screenshot displays a QMplus Uhub page titled "Page 4. Amazing Website - Version 1" by the "EBU6305 Coursework Group". The page content includes a section for "Version 1 features:" with a bulleted list: "It can walk (Coded by student A)", "It can talk (Implemented by student B)", and "It can smile (Designed by student C)". Below this is a section for "Screenshots of this version:" which is currently empty. A "Comments" section is visible at the bottom, featuring a comment from "Xianhui Che" posted "1 sec ago". The comment text reads: "This is the zipped file of our version 1 product folder." An attachment named "version1.zip" (119.1KB) is listed next to the comment. The interface includes standard QMplus Uhub navigation elements and icons for editing and deleting the comment.

# Member Contribution

- Anyone can create a page within the group.
- Everyone must comment on the pages that are created by the team leader or other team members:
  - Page 2. Brainstorm Session
  - Page 3. Wireframe Design



- Each version must clearly state the contribution of members.

Version 1 features:

- It can walk (Coded by student A)
- It can talk (Implemented by student B)
- It can smile (Designed by student C)

# Questions?

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x.che@qmul.ac.uk