

EBU5305

Interactive Media Design and  
Production

Group Coursework 2018

## Coursework

- ▶ You are required to **plan, design, and then produce** a small interactive multimedia application: a learning object in the form of an interactive video
- ▶ This is a group coursework in self-selected teams of 5 students.

## Learning objectives

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

- You will **apply** the “project design process”.
- You will **gain experience** of using popular and powerful multimedia authoring tools (Flash and H5P).
- You will **practice** your interactive media design knowledge and **develop** your design and production skills.

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## Learning Object

*For your coursework, you will create interactive media to support learning, practice and assessment of a topic in Electronic Engineering or Computer Science.*

Objectives of the learning object:

- Help users master a concept, principle, process or algorithm
- Provide an interactive learning environment that includes **explanations** and **demonstrations**, **experimentation** and **assessment**

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## List of topic areas to choose from

Choose a topic from one of the following areas:

- C Programming
- Java Programming
- Linear Algebra
- Probability Theory
- Digital Signal Processing
- Digital Circuit Design

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## Requirements

Your project (a video) must fulfil the following requirements:

- It must be interactive
- It must have a clear and well defined purpose
- It must be designed for a well defined target audience
- It must have a clear structure and screen layout
- It must be easy to use
- It must contain: explanations, demonstrations, experimentation and assessment functions

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## Choosing and joining 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 **24<sup>th</sup> October**, you will be allocated to a team at random

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## QMplus

The screenshot shows the QMplus interface with a purple header. Below the header, there are four assignment cards. The first card, 'Join a coursework group', is highlighted with a red rectangular box. It includes a plus icon, a group icon, and text stating: 'Choose and join your coursework group here. Each group should be made of 5 students exactly. Deadline for joining a group is 24 October.' To the right of this card is a 'Visible groups' button. The other three cards are 'QMplus Hub How to create a group' (with a PDF icon and file size 156.3KB), 'Labs material' (with a folder icon), and 'Individual Coursework' (with a document icon). Each of these three cards also has a 'Visible groups' button on the right.

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## Working as a team

- ▶ The team leader must create a Group on **QMplus Hub** and invite team members to join by **31<sup>th</sup> October**
- ▶ The **group unique name** will be made as follows:  
Media2018Gp\*\* (where \*\* is your group number on QMplus)

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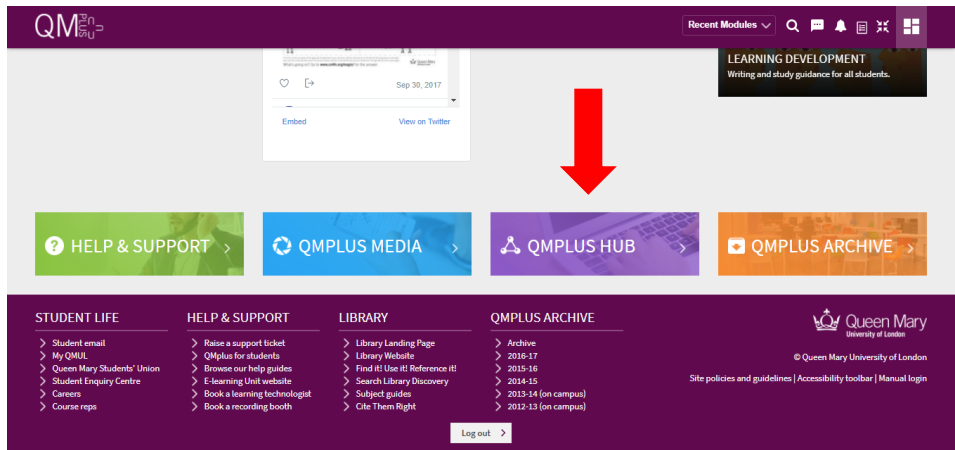


## QMplus

The screenshot shows the QMplus Hub interface with a purple header. Below the header, there is a list of resources. The resource 'QMplus Hub How to create a group' is highlighted with a red box. The resource is a PDF file, 956.3KB, and is titled 'Guide about how to create a group on QMplus Hub (for group leaders)'. To the right of the resource list, there are buttons for 'Visible groups' and '0 of 141 Submitted'.

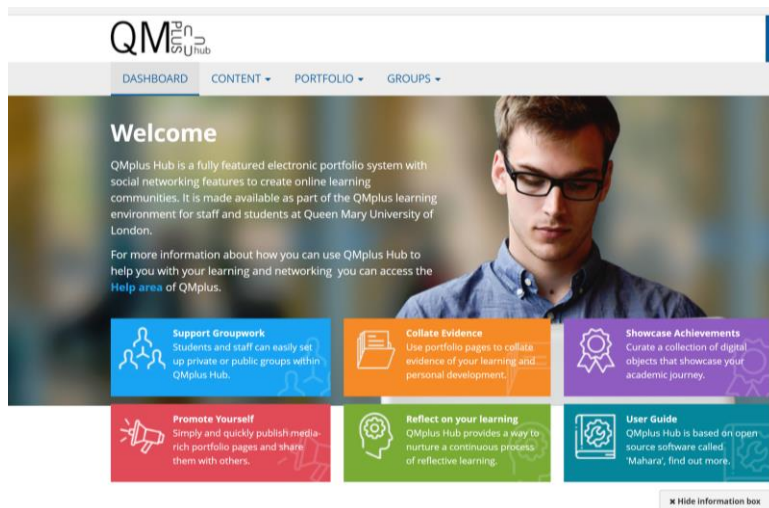
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# QMplus Hub



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# QMplus Hub



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## Page 1: Group details

Group Details

- Group Number:
- Project Title:
- Members

	Name (First Name, Last Name)	BUPT Student Number	QM Student Number	Email Address
Member 1 (Leader)				
Member 2				
Member 3				
Member 4				
Member 5				

- Assigned Teaching Assistant:

Feedback

+ Add comment

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## Page 2: Tasks 1 & 2 of the design process

Goal of the Project

**What does your application do? (about 100 words)**

(Type your answer here)

Target Audience

**Who will use your application and how? (about 100 words)**

(Type your answer here)

Feedback

+ Add comment

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## Page 5: Tasks 5 & 6 of the design process

Controls

**What controls will be provided? (about 100 words)**

(Type your answer here)

**What kinds of interaction will be allowed?**

(Type your answer here)


Navigation Structure



Picture of Your  
Navigation Structure  
Goes Here

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## Page 6: Tasks 7 & 8 of the design process



Describe the look of your application in the 'Look of the Project' section below.

**Optional:** You may also provide screenshots of your prototype in the 'Prototype' section below, if available.

General Layout

Look of the Project

**How the application will look? You should provide explanations for your choice of colours, fonts, logo (if any), etc. (min 50 words)**

(Type your answer here)

Prototype Screenshots (optional)

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## Page 7: Task 9 of the design process

Task Description
<p><b>Build the Prototype</b></p> <p>Please upload the prototype for your application in the 'Prototype' section below (How to Embed a Flash File) and add your comments to the 'Group Comments' section. If you have chosen to develop your prototype using HSP, see instructions for embedding on QMplus.</p>
Prototype
Group Comments
<p>What did you learn about your work during the evaluation sessions in class (heuristic evaluation and poster session)? What did you change regarding your design/prototype? ...</p> <p>(Type your comments here)</p>
Feedback
<p>✚ Add comment</p>

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# QMplus Hub



- Page 1 (group information) by October 31
- Page 2&3 (aim, audience & mins map) by November 2
- Page 4 (storyboard) by November 16
- Page 5 (controls & navigation) by November 30
- Page 6&7 (prototype) by December 14
- Page 7 (evaluation) by December 28

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## Schedule



1. Join a team (5 students exactly) on QMplus by 24<sup>th</sup> October
2. The team leader must create a Group on QMplus Hub and invite team members to join by 31<sup>th</sup> October
3. Choose a theme and a title for your project, write a description by 31<sup>th</sup> October (QMplus Hub)
4. Start work on the design of your project following the project design process and regularly update QMplus Hub pages
5. **Meet with your assigned TA 4 times** (in weeks 12, 13, 14 & 15)
6. Post first prototype on QMplus Hub by 14<sup>th</sup> December
7. Present your work (demo + poster) in Week 16 (detailed TBA later)
8. Submit your final coursework on QMplus by 28<sup>th</sup> December

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## Meetings with TA



- **Four meetings** are scheduled with your assigned TA (in weeks 12, 13, 14 & 15 respectively).
- Before each meeting: Make sure all the CW information on QMplus Hub is up to date.
- Purpose of meetings is to review your CW progress and receive advice.
- Attendance will be taken.

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## Coursework Demonstrations and Peer Evaluation (before final submission)



- By **14th December**, you will post a first version of your coursework application on [QMplus Hub](#).
- In Week 16, we will evaluate the courseworks in class using “Heuristic Evaluation”.
- In Week 16, we will also organise a “mini-conference” with poster displays and coursework demonstrations, so you can receive feedback and advice on how to improve your designs.

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## Final Coursework Submission



- By **28th December**
- Submission is done on [QMplus Hub](#) (subject to change ...)
- One submission per team

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# Assessment



- The Group Coursework is worth 20% of the final mark
- You will receive a mark out of a 100.
- Marks will be distributed as follows:
  - Attendance to **meetings** with TA: up to 4 marks (individual marks)
  - Content of information on **QMplus Hub**: up to 16 marks (Group marks)
  - Timely submission of interim CW on **QMplus Hub**: up to 5 marks (Group marks)
  - Participation to **conference**: up to 5 marks (individual marks)
  - Final CW submission: up to 70 marks (Group marks)