## BGM203/BGM101/DIP211

### **Assignment 1: System Proposal and Design**

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| **Due date:** | 20/6/17 |
| **Value:** | 20% |
| **Assignment type:** | Group of 4 students |

1. **Rationale**

The assignment assesses the following learning outcomes:

* CLO1: describe digital media concepts in terms of text, sound, graphics, and animation;
* CLO2: explain the underlying theory of semiotics including signs and symbols;
* CLO3: design and develop an interactive multimedia system in a group.

#### Instructions

For this assignment, you will plan, design, and write a proposal for the case study given below:

### Interactive Multimedia Courseware for Problem-Based Learning

Traditional educational approaches have resulted in a mismatch between what is taught to the students and what the industry needs (Clark and Mayer, 2016). For instance, many institutions are moving towards problem-based learning as a solution to produce graduates who are creative, thinking critically and analytically, and are able to solve problems. Therefore, you will focus on using interactive multimedia technology as an innovative teaching and learning strategy in a problem-based learning environment.

The purpose of this assignment is to provide plan, design, and write a proposal of interactive multimedia courseware for particular skill set. You will work in a group and each group will pick a topic provided by lecturer. In this Assignment 1, you are required to submit your proposal with the following contents:

**Task 1: Executive summary [Group TASK]**

Describe the problems with the traditional learning approach, and benefits of interactive multimedia for problem-based learning in one page. You are expected to describe with supporting references (it is advisable to cite from books or research papers such as: journal or conference papers).

**Task 2: Statement of the goals** **[Group TASK]**

Describe your project title and project goals.

**Task 3: Characteristics of Users** **[Group TASK]**

Description of the characteristics of the intended users of the system and how they will be attracted to use the multimedia system.

**Task 4: Content Specifications** **[Individual TASK]**

Descriptions of multimedia elements and delivery platforms to be used in the system. You are expected to describe theoretical of multimedia elements with supporting references (citation from books or research papers such as: journal of conference papers); and to describe your plan on how to use multimedia elements in your project. Each student is required to describe two (2) different multimedia elements.

**Task 5: Functional Specifications** **[Group TASK]**

Description of the main design features of the planned system, including the interactive capabilities and justifications. Each group is required to describe two (2) different functional specifications.

**Task 6: Storyboards** **[Individual TASK]**

Your storyboard must contains information about: scene name, scene description, visual design, and description of multimedia elements (text, graphics, videos, audio, and animations). Each pair can use the storyboard template as shown in Fig 1, and choose ONE of the layout for your visual design as shown in Fig.2. Each student in a group is required to create minimum six (6) storyboards.



**Figure 1**: Storyboard template



**Figure 2**: Visual Design layout

**Task 7: Project Timeline** **[Group TASK]**

Create a project timeline for tracking your project schedules. Your project timeline should be able to show additional information about the various tasks or phases of the project, for example how the tasks relate to each other, how far each task has progressed, what resources are being used for each task and so on. You can use Gantt chart software, or Ms. Excel. Your project timeline must within five (5) weeks, which in line with the Assignment 2 due date.

## Report Writing and Submission Guidelines

1. A set of professional compiled assignment report with Table of Contents and page number (bottom-right of page).
2. Submit your assignment to the IT Department and you are required to obtain an acknowledgment from IT administrator.
3. All materials must be produced in a written format (using Ms. Word). Formatting: font-style: Times New Roman, font-size 12, and 1.5 line spacing. Margin: 2.5cm for top, right, and bottom, and 3cm for left margin; and one sided printed page.
4. All work should demonstrate an appropriate level of English language and grammar as a basic pre-requisite of passing the assessment.
5. There should be a caption at the bottom of each picture/graphic/diagram/chart, and a caption at the top of each table. Besides, additional explanations might be required.
6. You are required to merge all the group and individual tasks as one (1) final assignment report.
7. Hardcopy submission – each pair submit only one (1) assignment report, item to be submitted (in order):
   1. Assignment cover sheet
   2. Feedback page
   3. A printed assignment report (answers for all tasks)
   4. Marking scheme
   5. Turnitin report (indicate the similarity percentage), the similarity must not exceed 20%.
      1. class id: 15485743
      2. enrollment password: multimedia

\*Turnitin due at the same date of assignment due date. No extension provided.

1. Online submission – one student in a pair to submit the assignment report file (Ms. Word/.doc file) into e-learning, due date 23/6/17.
2. The penalty imposed for submission without Turnitin report is 10 (ten) marks deduction.
3. The penalty imposed for late submission is 5 (five) marks deduction per day (of the total marks of this assignment). This penalty is applicable for hardcopy and online submission.
4. The penalty imposed for submission without cover page or feedback page or marking scheme page is 5 (five) marks deduction.
5. The penalty imposed for submission without following the report writing guidelines is ten (10) marks deduction.
6. Include HELP University logo and ITD logo in your design and implementation.

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| **Plagiarism** will be assessed along the following lines: | | |
| **Category** | **Description** | **Action** |
| Blatant plagiarism | * Complete assignment similar to the other student(s). * Clear intent to plagiarize | * Marks will be equally divided by the number of students involved.   i.e. if the assignment is awarded 40/50 and there are 2 students involved, then each student will get 20/50.   * Inform student and suggest how to avoid the mistake in the future |
| Accidental plagiarism | * The program is similar to the other student(s) except modification on the variables used. * Little or no evidence of intent to plagiarize | * Maximum 50% of available points * Lecturer discretion * Inform student and suggest how to avoid the mistake in the future |

## References

Clark, R. C., & Mayer, R. E. (2016). *E-learning and the Science of Instruction: Proven Guidelines for Consumers and Designers of Multimedia Learning*. (4th Ed.). New Jersey: John Wiley & Sons.

# **Marking Scheme**

Student 1:Aaron Wong Jinn Yee Student 2: Chern Kai Wen

Student 3: Timothy Wong Qi En Student 4: Jessie Chooi Wing Fong

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| **Tasks** | **CLO** | **Marks**  **Allocation** | **Student 1** | **Student 2** | **Student 3** | **Student 4** |
| Task 1: Executive Summary | CLO3 | 10 |  | | | |
| Task 2: Statement of the goals | CLO3 | 5 |  | | | |
| Task 3: Characteristics of users | CLO3 | 5 |  | | | |
| Task 4: Content specifications | CLO1 | 15 |  |  |  |  |
| Task 5: Functional specifications | CLO2 | 15 |  | | | |
| Task 6: Storyboards  (min 6 scenes/student) | CLO2 | 25 |  |  |  |  |
| Task 7: Project Timeline | CLO3 | 10 |  | | | |
| Quality of writing, formatting, referencing | ALL | 5 |  | | | |
| Participation (during discussions or class activities in week 1-week 4) | ALL | 10 |  |  |  |  |
| **Total marks** |  | **100** |  |  |  |  |
| **Late submission (-5/day)** |  |  |  |  |  |  |
| **Others** |  |  |  |  |  |  |
| **TOTAL OVERALL MARKS** |  |  |  |  |  |  |

 **Assignment Cover Sheet**

Assignment No.: \_ 1\_

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| **Student Information (For group assignment, please state names of all members)** | | **Grade/Marks** |
| **Name** | **ID** |  |
| Aaron Wong Jinn Yee | B1600682 |  |
| Chern Kai Wen | B1600537 |  |
| Timothy Wong Qi En | B1600739 |  |
| Jessie Chooi Wing Fong | B1600593 |  |
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| **Module/Subject Information** | | **Office Acknowledgement** |
| **Module/Subject Code** | DIP211 |  |
| **Module/Subject Name** | Introduction to Interactive Media |  |
| **Lecturer/Tutor/Facilitator** | Dewi Octaviani |  |
| **Due Date** | 20/6/2017 |  |
| **Assignment Title/Topic** | Assignment 1 |  |
| **Intake (where applicable)** |  |  |
| **Word Count** | 2941 | **Date/Time** |

**Declaration**

* I/We have read and understood the Programme Handbook that explains on **plagiarism**, and I/we testify that, unless otherwise acknowledged, the work submitted herein is entirely my/our own.
* I/We declare that no part of this assignment has been written for me/us by any other person(s) except where such collaboration has been authorized by the lecturer concerned.
* I/We authorize the University to test any work submitted by me/us, using text comparison software, for instances of plagiarism. I/We understand this will involve the University or its contractors copying my/our work and storing it on a database to be used in future to test work submitted by others.

Note: 1) The attachment of this statement on any electronically submitted assignments will be deemed to have the same authority as a signed statement.

2) The Group Leader signs the declaration on behalf of all members.

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| Signature: | Date: |
| E-mail: |  |

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| **Feedback/Comments\***  ACA-F-020(010611:01)  Page **2** of **2** |
| **Main Strengths** |
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| **Main Weaknesses** |
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| **Suggestions for improvement** |
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|  | **Student acknowledge feedback/comments** |
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| Grader’s signature | Student’s signature: |
| Date: | Date: |

Note:

1. A soft and hard copy of the assignment shall be submitted.
2. The signed copy of the assignment cover sheet shall be retained by the marker.
3. If the Turnitin report is required, students have to submit it with the assignment. However, departments may allow students up to **THREE** (3) working days after submission of the assignment to submit the Turnitin report. The assignment shall only be marked upon the submission of the Turnitin report.

\*Use additional sheets if required.