



**UNIVERSITY  
OF LONDON**

**CM3070**

**BSc EXAMINATION**

**COMPUTER SCIENCE**

**Final Project**

**Release date:** 2 September 2024 at 12:00 midday British Summer Time

**Close date:** 3 September 2024 by 12:00 midday British Summer Time

**Time allowed:** 4 hours to submit

**INSTRUCTIONS TO CANDIDATES:**

There are five questions in this examination paper. You should answer no more than **THREE** questions. Each question carries 20 marks. The marks for each part of a question are indicated at the end of the part in [.] brackets.

There are 60 marks available on this paper.

Calculators are **NOT** permitted in this examination.

You may use **ONE** A4 page of previously prepared notes in this examination. Please hold up your notes to the camera at the start of the examination.

File upload is **NOT** permitted in this examination.

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**Question 1**      Project management and execution

Reflect on the planning phase of your project.

- (a) What were the primary objectives for your project that you set out to achieve during this planning phase? [5 marks]
- (b) Describe how you organised the initial stages, including any timelines, resources, and major tasks outlined. [6 marks]
- (c) Analyse the effectiveness of your *initial* project plan: What went well, and what would you improve next time? Make sure to relate your discussion and analysis to the initial plan you made, and include commentary about whether your objectives changed at all. [9 marks]

**Question 2**      Technical challenge and solution

Consider the technical work of your project.

- (a) Identify—with justification as to this choice—what you consider to be the most significant technical challenge of your project. Describe the challenge and how it connects with the overall project goal or goals.  
[7 marks]
- (b) Explain the solution or approach you took to address this technical challenge.  
[7 marks]
- (c) Evaluate the effectiveness of your chosen approach to addressing the challenge. Include in your discussion a consideration of whether it met your expectations or whether you would consider an alternative approach in future.  
[6 marks]

### Question 3      Background literature

You will have made use of many references in doing your project. Choose the **TWO** most significant references that you made use of, and for each:

- describe what the main idea / point / research contribution of the reference is
- explain why it was significant to your project
- discuss how it influenced the choices you made in undertaking your project
- comment on the quality and reliability of the reference.

For each reference, you should identify it by its title and authors, to the best of your recall. We are not expecting exact referencing here, but need enough information in order to identify the reference work.      [20 marks]

**Question 4**      Future directions

Consider potential future applications of your project.

- (a) What are the medium and long-term possibilities or impacts of your project? Support your response with justification for any claims you make here. [6 marks]
- (b) Discuss ways in which your project could be expanded or adapted by future students or professionals. Be as concrete as possible in this response, and include justification where appropriate. [10 marks]
- (c) What are the main pieces of advice you would give to anyone interested in continuing or building upon your work? Focus on necessary considerations and potential pitfalls. [4 marks]

**Question 5**      Presentation

This question is about presenting the achievements of your project.

Imagine you are presenting your work at a public meeting or conference. Think about the most effective way to do this, on the basis that you would be present at the meeting or conference, and are using it to showcase your important achievements. You have a 10-minute slot assigned to you for your presentation, excluding any audience questions.

- (a) What parts of your project work would you include in this presentation? Justify why you would include them, and also address briefly, with justification, any aspects you feel would be important to leave out.

[10 marks]

- (b) Design your presentation. Describe the details of the presentation, including the media used, and how you would present it. You should provide sufficient detail for someone else to be able to construct the basics of your presentation. Discuss any limitations of your approach.

[10 marks]

END OF PAPER