Team: Confidentiality (1)
Team members: Hamad Ahmad, Tebogo Victor Sodaba, Jurbe Jubet
Marker: Dr Cathryn Peoples
Date: August 2022

Criteria	Level	Comments
Knowledge and under-standing of the topic / issues under consideration (25%)	Merit	It is described that: *"NASA uses five of these computers (NASA, gov, 2021) in its space systems."* In the previous paragraph, it is described that the area your work focuses on is the space shuttle. It is therefore not obvious if the five computers being referred to are in the space shuttle – what are the "space systems" which are being referred to? I would like to get a more precise understanding of the topics/issues under consideration, as discovered through your research.
Application of knowledge & understanding (25%)	Merit	*"All Security controls will be implemented by NASA …"* Given that this is a design document for a system which you are responsible for building, I don't understand this statement. What are the security controls and why is NASA responsible for them? When presenting functional requirements, we want to know precisely which functionality will be enabled. When writing a functional requirement, it is good to keep in mind that the function could be used to demonstrate effectiveness of the system through a unit test. When writing a functional requirement, however, as 'Manage user data', it is not clear which unit test could be run to evidence achievement of this. It is good practice to categorise the NFRs e.g., performance, security, and so on – see: https://www.modernanalyst.com/Careers/InterviewQuestions/tabid/128/ID/160/How-do-you-categorize-non-functional-requirements.aspx In relation to Figure 5, I would like to get an understanding for how precisely these security requirements will be achieved. How will you test for example, for a 'simplisitic design'? How will you communicate to the product owner that the goal of a 'simplistic design' has been achieved? I note entry 4 of Figure 5 is 'clean data'. Are you planning to clean the data as part of this project? My impression is that doing so is outside the scope of the work that we can reasonably complete. What is 'QA' in relation to row 6 of Figure 5? All acronyms should be defined in full at the first place where they are used in a report. In terms of row 7, 'Practice defense in layers', how precisely is this being achieved in your system?

		I like the depth of the use case diagram in Figure 7. This demonstrates a good level of detail. Good use of UML notation in Figure 8.
Criticality (25%)	Merit	Where it is described that: *"The system will follow the development techniques standardised by NASA and OWASP."*, I would like to see some references included here to support this statement. What techniques from NASA specifically are being referred to? It is good to see the plan to use 'NIST Special Publication 800-218 framework' to organise your project work, however, how precisely is it being used? What are the nuts and bolts of the framework that are supporting your development?
Structure & Presentation (25%)	Pass	Names and/or team identifier not included at the top of the document. Please consider using a cover page to frame your report. Please also include a count of the words used at the opening of the report. As this is an aspect of the assessment, it is important that the marker knows this detail. There is an opportunity to include a title for your design document, which would help to prepare the reader more fully for the contents. This could indicate, for example, the domain for which the development is created and the core goal of the new system. Good attention to presentation of the UML models. Appropriate use of inline citation using references in the reference list.

Overall comments:

Positives
- The UML models have been prepared accurately (in terms of how the UML is being used), and in a good level of detail. The more sophisticated elements of a use case diagram, for example, have been used.

Negatives

- When making reference to frameworks being used to influence the system design, please try to make reference to them more precisely. How, for example, is the 'NIST Special Publication 800-218 framework' being applied?

Overall grade: Merit