SE 3A04: Software Design III: Large System Design

Group #5, Spaceship System Sabotage
Pareek Ravi 001407109
Pavle Arezina 001410366
David Hobson 001412317
Victoria Graff 001401451
Julian Cassano 001406891

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1 Introduction

This section should provide an brief overview of the entire document.

1.1 Purpose

a) Delineate the purpose of the document

b) Specify the intended audience for the document

1.2 System Description

a) Give a brief description of the system. This could be a paragraph or two to give some context to this document.

1.3 Overview

a) Describe what the rest of the document contains

b) Explain how the document is organised

2 Use Case Diagram

SHOW THE USE CASE DIAGRAM AND THEN EXPLAIN EACH SCENARIO

a) End Simulation:

b) Start Simulation:

c) Pause Simulation:

d) Resume Simulation:

e) View Overall System:

f) View Power System:

g) View Oxygen System:

h) View Mechanical System:

i) Fix Crisis:

j) Power Simulation:

k) Oxygen Simulation:

l) Mechanical Simulation:

Figure 1: Use Case Diagram

3 Analysis Class Diagram

DIAGRAM
See the CRC cards for explination for each class.

4 Architectural Design

This section should provide an overview of the overall architectural design of your application. You overall architecture should show the division of the system into subsystems with high cohesion and low coupling.

4.1 System Architecture

a) Identify and explain the overall architecture of your system

b) Be sure to clearly state the name of the architecture

c) Provide the reasoning and justification of the choice

d) Provide a structural architecture diagram showing the relationship among the subsystems (if appropriate)

4.2 Subsystems

a) Provide a brief description of each subsystem. Be sure to document its purpose and relationship to other subsystems.

5 Class Responsibility Collaboration (CRC) Cards

This section should contain all of your CRC cards.

a) Provide a CRC Card for each identified class

b) Please use the format outlined in tutorial, i.e.,

Class Name:	
Responsibility:	**Collaborators:**

A Division of Labour

Include a Division of Labour sheet which indicates the contributions of each team member. This sheet must be signed by all team members.

Member	Duties	Signature
David Hobson		
Pavle Arezina		
Pareek Ravi		
Victoria Graff		
Julian Cassano		

IMPORTANT NOTES

- Please document any non-standard notations that you may have used
  - *Rule of Thumb*: if you feel there is any doubt surrounding the meaning of your notations, document them
- Some diagrams may be difficult to fit into one page
  - It is OK if the text is small but please ensure that it is readable when printed
  - If you need to break a diagram onto multiple pages, please adopt a system of doing so and thoroughly explain how it can be reconnected from one page to the next; if you are unsure about this, please ask about it
- Please submit the latest version of Deliverable 1 with Deliverable 2
  - It does not have to be a freshly printed version; the latest marked version is OK
- If you do NOT have a Division of Labour sheet, your deliverable will NOT be marked