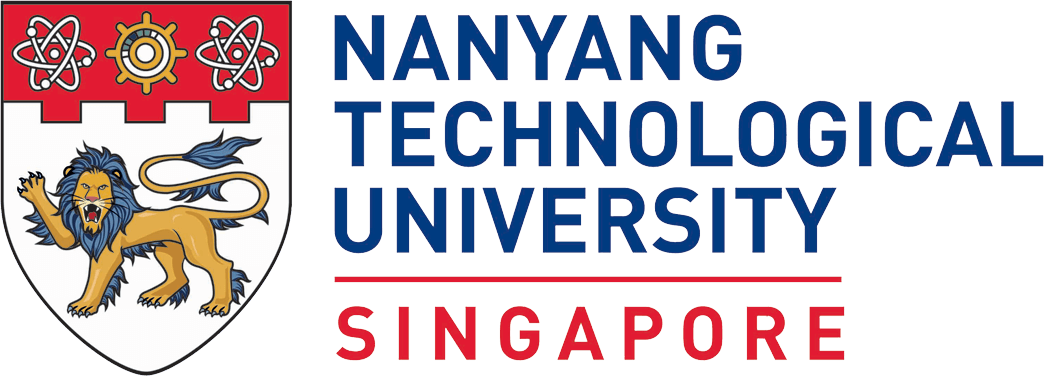
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**College of Engineering**

**School of Computer Science & Engineering**

**CZ2002**

**Object Oriented Design & Programming**

**AY 2019/20 S1**

**Building an OO Application**

**Project Report**

|  |  |
| --- | --- |
| **Member’s Names** | **Matriculation Number** |
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| **Tutorial Class, Group :** | **SS2, Group 1** |
| **Date of Submission :** | **16/11/2019** |

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# Introduction

# UML Class Diagram

# UML Sequence Diagram

# Design Principles, Considerations & Object-Oriented Concepts

## Design Considerations

### Data Access

### Loose Coupling

### High Cohesion

## SOLID Principles

### Single Responsibility Principle

### Open-Closed Principle

### Liskov Substitution Principle

### Interface Segregation Principle

### Dependency Injection Principle

## Object-Oriented Concepts

### Object-Oriented Abstraction

### Object-Oriented

### Inheritance & Polymorphism

# Test Case

**Assumptions**

**New Features**

**Source Code**

The source code is exported

**JAVADoc**

The JAVADoc is exported

**Video Demonstration**

The video demonstration is saved

**UML Diagram Class**

**UML Sequence Diagram**

**Test Cases & Results**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case 1 –** | | | |
| **Test Case** | | **Expected Outcome** | **Actual Outcome** |
|  |  |  |  |
| **Test Case 2 –** | | | |
| **Test Case** | | **Expected Outcome** | **Actual Outcome** |
|  |  |  |  |

**Declaration of Original Work for CE/CZ2002 Assignment**

We hereby declare that the attached group assignment has been researched, undertaken, completed and submitted as a collective effort by the group members listed below. We have honored the principles of academic integrity and have upheld Student Code of Academic Conduct in the completion of this work. We understand that if plagiarism is found in the assignment, then lower marks or no marks will be awarded for the assessed work. In addition, disciplinary actions may be taken.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Course** | **Lab Group** | **Signature** | **Date** |
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~End of Report~