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| cORK iNSTITUTE OF TECHNOLOGY |
| Advanced Object Technology |
| Assignment 1 |
|  |
| **Jimmy Collins – R00145569** |
| **[Pick the date]** |

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Contents

[Section 1 – Demonstrated Use of Object Orientated Concepts 1](#_Toc475299507)

[Re-Use 1](#_Toc475299508)

[Encapsulation 1](#_Toc475299509)

[Abstraction 1](#_Toc475299510)

[Inheritance 1](#_Toc475299511)

[Overloading 1](#_Toc475299512)

[Dynamic Binding 1](#_Toc475299513)

[Inner Class 1](#_Toc475299514)

[Nested Class 1](#_Toc475299515)

[Abstract Class 1](#_Toc475299516)

[Generic Method 1](#_Toc475299517)

[Generic Class 1](#_Toc475299518)

[Bounding 1](#_Toc475299519)

[Custom Exception Handler Type 1](#_Toc475299520)

[Section 2 – Usage of Design Patterns 2](#_Toc475299521)

[Strategy Pattern 2](#_Toc475299522)

[Observer Pattern 2](#_Toc475299523)

[Factory Pattern 2](#_Toc475299524)

[Section 3 – System UML Diagrams 2](#_Toc475299525)

[Section 4 – Code Screen Captures 2](#_Toc475299526)

[Section 5 – Evaluation of Work 2](#_Toc475299527)

## Section 1 – Demonstrated Use of Object Orientated Concepts

### Re-Use

TODO

### Encapsulation

TODO – demonstrated by PacketFileStats?

### Abstraction

TODO

### Inheritance

TODO

### Overloading

TODO

### Dynamic Binding

TODO

### Inner Class

TODO

### Nested Class

TODO

### Abstract Class

TODO

### Generic Method

TODO – used in Utility.java – SortMapByValue

### Generic Class

TODO

### Bounding

TODO used in Utility.java – GetTopElements

### Custom Exception Handler Type

TODO

## Section 2 – Usage of Design Patterns

### Strategy Pattern

TODO

### Observer Pattern

TODO

### Factory Pattern

TODO

## Section 3 – System UML Diagrams

TODO

## Section 4 – Code Screen Captures

TODO

## Section 5 – Evaluation of Work