

CO567  
Object-Oriented Systems Development  
Coursework 1

The BUCKS Centre for the Performing Arts  
Design & Implementation

Alex Paulo da Costa  
*21611431*

Jack  
*00000000*

James Harris  
*21606555*

Qasim  
*00000000*

**27th November 2017**

*Computing & Web Development*  
Buckinghamshire New University

# Contents

<b>A</b>	<b>Design</b>	<b>2</b>
<b>1</b>	<b>Use Case Models</b>	<b>3</b>
A	The Consumer . . . . .	3
B	The Venue Manager . . . . .	3
C	The Agent . . . . .	3
D	Consolidated Model . . . . .	3
<b>2</b>	<b>Identifying Classes</b>	<b>4</b>
<b>3</b>	<b>Data Dictionary</b>	<b>5</b>
<b>4</b>	<b>Report</b>	<b>6</b>
<b>B</b>	<b>Implementation</b>	<b>7</b>
<b>5</b>	<b>Requirements</b>	<b>8</b>
A	Expected Functional . . . . .	8
B	Non Functional . . . . .	8
<b>6</b>	<b>Design Class Diagram</b>	<b>9</b>
<b>7</b>	<b>Sequence Models</b>	<b>10</b>
<b>8</b>	<b>Detailed Design with Pseudo-code</b>	<b>11</b>
<b>9</b>	<b>Implementation in Java</b>	<b>12</b>
A	Hello World . . . . .	12
<b>C</b>	<b>Appendix</b>	<b>13</b>

# **Part A**

# **Design**

# Use Case Models

- A The Consumer**
- B The Venue Manager**
- C The Agent**
- D Consolidated Model**

## Identifying Classes

# Data Dictionary

Left	Centre	Right
Text	Text	Text

# Report

# **Part B**

## **Implementation**



# Requirements

## **A Expected Functional**

- Item

## **B Non Functional**

- Item

## **Design Class Diagram**

# Sequence Models

## **Detailed Design with Pseudo-code**

# Implementation in Java

## A Hello World

```
1 /**
2  * The HelloWorld program implements an application that
3  * simply displays "Hello World!" to the standard output.
4  *
5  * @author James Harris
6  * @version 1.0
7  * @since 2017-11-26
8  */
9 public class HelloWorld {
10     public static void main(String[] args) {
11         System.out.println("Hello World!");
12     }
13 }
```

## **Part C**

# **Appendix**

[illegible]

#	Author	Date	Commit Message	Files	++	-
3	James Harris	2017-11-19	chore: rename brief	2	0	0
4	Alexandre Costa	2017-11-25	docs: add use case template	1	17	0
5	James Harris	2017-11-26	chore: convert brief to pdf	3	3	2
1	James Harris	2017-11-19	Initial commit	3	45	0
2	James Harris	2017-11-19	feat: add assignment brief	1	0	0
3	James Harris	2017-11-19	chore: rename brief	2	0	0
4	Alexandre Costa	2017-11-25	docs: add use case template	1	17	0
5	James Harris	2017-11-26	chore: convert brief to pdf	3	3	2