**Student Template for: FOOP Skills Demo Two**

**SECTION ONE: CLEARLY DOCUMENTED SOURCE CODE**

1. An algorithm provided to solve problem statement:

Fundamentals of OOP Assignment 2

Game is called CRAPS

2 dice are thrown one after another.

I will use an: If else statement.

You will win on your 1st go if you: Roll a combined score or either 7 or 11

You will lose on your 1st go if you: Roll a combined score of either 2, 3 or 12

You dice will be re-thrown if you get any other combined score (4, 5, 6, 8, 9, 10 or 11)

2nd throw

If your new throw combined score = old throws combined score, you win

You will lose if score is 7.

Otherwise keep throwing until you reach the conditions to either win or lose

Have a do-while loop to re-run the game if user wants to play again.

1. Record of comments to be used in program (please provide four examples) :

//Create 2 different rollDice methods

//Declare and initialize a variable to represent the dice

//Create a game heading

//Create a play () method

1. Printout of the final program correctly indented with comments and line numbers:

**SECTION TWO: PROGRAM FUNCTIONALITY**

1. Please provide an appropriately cropped and resized screenshot of your **final** program working and insert in the section below:

*Input and output screenshot displaying prudent use of print formatting and appropriate layout*

**SECTION THREE: ACCURATE PROGRAMMING (SYNTAX & SEMANTICS)**

1. Identify the IDE you used to generate your source code solution
2. Identify all the named identifiers (class, method, fields/variables) in your program in the table below:

|  |
| --- |
| **Class Name** |
| Craps |

|  |  |
| --- | --- |
| **Method Name(s)** | **Purpose** |
|  |  |
|  |  |
|  |  |
|  |  |

|  |  |  |
| --- | --- | --- |
| **Variable/ field Name(s)** | **Purpose** | **Data Type** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**SECTION FOUR: EVIDENCE OF SOFTWARE TESTING/ DEBUGGING**

1. Provide a screenshot of at least one bug or problem found in your code:
2. Briefly explain how you overcame this error:
3. Please provide **two** further screenshot(s) of your program running below: