## Federation University Australia at IIBIT (Sydney)

### School of IT

Sydney Campus

#### Assignment Cover Page: Individual Work

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**COURSE NUMBER :**

**STUDENT’S LAST (FAMILY) NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_jaiswal\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

STUDENT’S GIVEN NAMES: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_bishal kumar\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

STUDENT NUMBER 30358366

FED UNI: IIBIT sydney

**COURSE NAME: master of technology (software engineering)**

**PROGRAM OF STUDY:soft. Engineering : analysis and design**

**TUTORIAL GROUP (if applicable):**

**TUTORIAL DAY AND TIME (if applicable):**

**LECTURER: Ali Bratyee**

**TUTOR (if applicable):**

**TITLE OF ASSIGNMENT: java Console Programm**

**WORD LENGTH:**

**DUE DATE: 9/1/2019 DATE SUBMITTED: 9/1/2019**

**DECLARATION:**

I have kept a copy of this assignment/work so that I can produce it if the original is lost or damaged. I hereby certify that no part of this assignment/work has been copied from any other student’s present or previous, published or unpublished, professional or amateur work or from any other source except where due acknowledgement is made in the assignment. I further certify that no part of this assignment/work has been written/produced for me by any other person except where such collaboration has been authorized by the unit/subject lecturer/tutor concerned.

Bishal jaiswal

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Signature of Student

**Note**: It is necessary to sign the above declaration. A lecturer/tutor or an examiner reserves the right not to mark this assignment/work if the declaration has not been duly signed.

Reflection:

According to this assignment regarding java console program I have gain knowledge about the polymorphism and the interface with the class diagram and sequence as well as use case diagram with the analysis of the café business with the many customer transaction on the daily basic.

However, in this the programming is used for to calculate the total sale amount and the total purchase amount of the daily sale. Moreover, there are various type of the customer to pay their purchase good with the cash amount and card facilities like Amex card and master card for the customer. In addition, there is use of the interface to calculate the surcharges of the both card 1.15% and 3% respectively. With this facility the customer can pay their transaction vastly and securely. To sum up, the main use of the software called Enterprise Architecture software which help me to design the diagrams and analysis of those class diagram and the java coding package called Eclipse use to compile the source code to solve the daily sales of the small business café.