Odd Semester (2020)



**Assignment Cover Letter** 

1.

(Individual Work)

**Student Information:** 

Surname

Kasdi

Given Names Handy Student ID Number 2101693504

Course Code : COMP6335 Course Name : Introduction to Programming

Class : L1AC Name of Lecturer(s) : 1. Minaldi Loeis

2. Jude Joseph Lamug Martinez

Major : CS

Title of Assignment

(if any)

: Black Jack

Type of Assignment : Final Project

**Submission Pattern** 

Due Date : 7-11-2017 Submission Date : 6-11-2017

The assignment should meet the below requirements.

- 1. Assignment (hard copy) is required to be submitted on clean paper, and (soft copy) as per lecturer's instructions.
- 2. Soft copy assignment also requires the signed (hardcopy) submission of this form, which automatically validates the softcopy submission.
- 3. The above information is complete and legible.
- 4. Compiled pages are firmly stapled.
- 5. Assignment has been copied (soft copy and hard copy) for each student ahead of the submission.

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By signing this assignment, lunderstand, accept and consent to BiNus International terms and policy on plagiarism. Herewith Ideclare that the work contained in this assignment is myown work and has not been submitted for the use of assessment in another course or class, except where this has been notified and accepted in advance.

Signature of Student: (Name of Student)

Handy Fernando Kasdi

"BlackJack3"

Name: Handy Fernando Kasdi

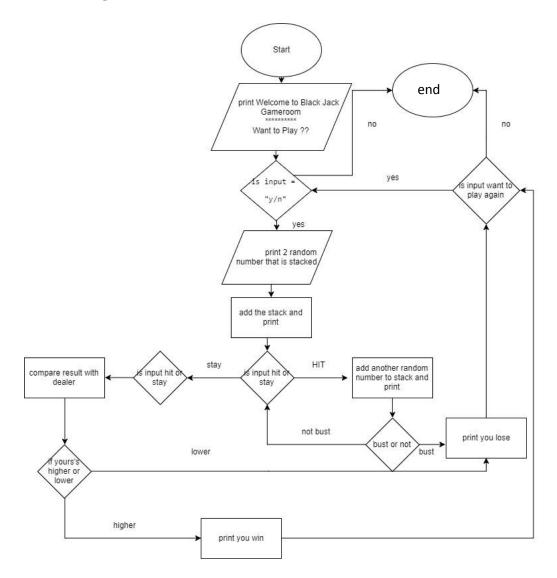
ID :2101693504

# I. Description

# The function of this program:

This program is meant to help people gain more stress by play a game of black jack without using money because gambling is frobidden. And it's help developer and costumer to enjoy themself playing card when feeling lonely.

# II.a. Design/Plan



1.

# II.b. Explanation of Each function

#### **UML DIAGRAM**

Hand	
-hand	
+add card	
+bust	
+reset hand	

# Class diagram:

### 1. Classes

- provide a means of bundling data and functionality together.
- class creates a new *type* of object, allowing new *instances* of that type to be made.
- Classes in "Black Jack Project" define the ranks, the cards, and type of cards

## 2. Def Function

- reusable code that is used to perform a single, related action.
- provide better modularity for your application and a high degree of code reusing.
- It's run almost all the program in one call.

## 3. Print

• Function that display strings and integer on the output

# 4. Input

• Input is usually a string that is used as a choice to make by user that use the program

## 5. While loop

• are used for repeating sections of code.

• unlike a *for* loop, the *while* loop will not run *n* times, but until a defined condition is no longer met. If the condition is initially false,

### 6. If function

- To determind a condition weather it's true or false
- Usually use to run a new code with conditions

### 7. Elif

- To run another condition when 1st condition is false
- Could be use as many times as you want

### 8. Else

• To run the program when all the condition is false

Source code:

Class diagram:

### Main program: