

TOI-OHOMAI

Institute of Technology

COMP.5202 Fundamentals of Programming & Problem Solving

Semester 2, 2017

Assignment Marking Guide (50% of Final Mark)

PART A – QUESTION 1 (25 Marks)

Description	Mark	COMMENTS	CHECK
Create variable to store username	2		
Create variable to store password01	2		
Create variable to store password02	2		
Function called ValidateUsername			
* Check that the username has at least 8 characters			
* Show the message on the screen (alerts are ok)	5		

Function called ValidatePassword	
* Check that the passwords are the same	5
* Inform the user if they are not	
* Make sure the characters are masked	
<hr/>	
Display message to the user when everything is completed ok, or else tell them what is wrong	2
<hr/>	
Javascript to be written in ES6 syntax	2
<hr/>	
Add comments to code where relevant	2
<hr/>	
WOW FACTOR! Use Bootstrap CSS	3
<hr/>	
TOTAL	25

PART A – QUESTION 2 (20 Marks)

Description	Mark	COMMENTS	CHECK
Setup array with 10 entries and all values set to false	2		
Give the user the option to choose First class (option 1) or Economy Class (option 2)	2		
Program cannot assign seat that has been taken	2		
FUNCTION: Ask user if they want to make another booking * Loop until the user enters No or until there are no more seats available * Offer place in first class if economy class is full and visa versa	6		
Display Message: "Flight leaves in 3 hours" when the program is complete	2		
Javascript to be written in ES6 syntax	2		
Add comments to code where relevant	2		
WOW FACTOR! Use Bootstrap CSS	2		
TOTAL	20		

PART A – QUESTION 3 (20 Marks)

Description	Mark	COMMENTS	CHECK
Create class called Employee	2		
1 x Constructor to accept new object	1		
1 x Set method called FirstName	1		
1 x Set method called LastName	1		
1 x Set method called Salary	1		
1 x Function called: displayEmployee * Display all the information of an employee * On the screen use labels and then display the values next to them	4		
Javascript to be written in ES6 syntax	2		
Add comments to code where relevant	2		
WOW FACTOR! Only show the details of the methods when you click a button	4		
WOW FACTOR! Use Bootstrap CSS	2		

PART B (35 Marks)

Description	Mark	COMMENTS	CHECK
Create a Flow Diagram for the program logic	4		
Create a test plan to proof that your program works	2		
Create variable to hold input01 value	2		
Create variable to hold input02 value	2		
Create variable to hold degrees type	2		
Create a good UI that fits the program purpose * Allows for both Fahrenheit to Celsius and Celsius to Fahrenheit Conversion * Allows for as many conversions as required * Big Label to show the result of the conversion	6		
FUNCTION: Create a single function that does both conversions * The function needs to take 3 parameters (num1, num2, degrees) * The function needs make use of a switch case	10		
Javascript to be written in ES6 syntax	2		

Add comments to code where relevant	2
-------------------------------------	---

WOW FACTOR! Use Bootstrap CSS	2
-------------------------------	---

WOW FACTOR! Create a reset button that sets both input boxes to 0	1
---	---