Year 11 Programming Task Portfolio 2022

Computer Science

Project Title (with code):

Student Name:

The purpose of this document is to plan and provide evidence of your understanding of the programming task.

Task 1

Objective 1: Create a top-down design structure diagram to show the decomposition of Task 1 of the programming task. Create the diagram, or paste a copy of your diagram in the space below (You may use diagrams.net, create the diagram her on word, or use any other means that is suitable for you, such as pen/pencil and paper).

Objective 2: Complete the following table with any variables, inputs and/or arrays that you have identified are required for Task 1 of the pre-release. You may not use the entire table, or you may be required to add additional rows. (You may add to this as you develop your solution)

Variable, input or array?	Identifier (variable/ array name)	Data Type	Reason
input	firstName	String	A string is text. Names are made up of letters (text)

Objective 3: Plan a pseudocode or flowchart algorithm to solve Task 1 of the programming task. You may find it useful to add comments as you complete your solution.

Task 2

Objective 1: Create a top-down design structure diagram to show the decomposition of Task 2 of the programming task. Create the diagram, or paste a copy of your diagram in the space below (You may use diagrams.net, create the diagram her on word, or use any other means that is suitable for you, such as pen/pencil and paper).

Objective 2: Complete the following table with any variables, inputs and/or arrays that you have identified are required for Task 2 of the pre-release. You may not use the entire table, or you may be required to add additional rows. (You may add to this as you develop your solution)

Variable, input or array?	Identifier (variable/ array name)	Data Type	Reason

Objective 3: Plan a pseudocode or flowchart algorithm to solve Task 2 of the programming task. You may find it useful to add comments as you complete your solution.

Task 3

Objective 1: Create a top-down design structure diagram to show the decomposition of Task 3 of the programming task. Create the diagram, or paste a copy of your diagram in the space below (You may use diagrams.net, create the

diagram her on word, or use any other means that is suitable for you, such as pen/pencil and paper).

Objective 2: Complete the following table with any variables, inputs and/or arrays that you have identified are required for Task 3 of the pre-release. You may not use the entire table, or you may be required to add additional rows. (You may add to this as you develop your solution)

Variable, input or array?	Identifier (variable/ array name)	Data Type	Reason

Objective 3: Plan a pseudocode or flowchart algorithm to solve Task 3 of the programming task. You may find it useful to add comments as you complete your solution.