



# JOHN EDMONDSON HIGH SCHOOL

## Assessment Notification

Faculty: Technology – SDD

Year: 12

Assessment Task: 1

Assessment Weighting: 15% Due: Term 4 Week 9 Date: 5/12/2023

Task Type: Hand in Task  In Class Task  Practical Task

### Outcomes assessed (NESA)

- H5.2 creates and justifies the need for the various types of documentation required for a software solution
- H4.1 identifies needs to which software solutions are appropriate
- H4.2 applies appropriate development methods to solve software problems
- H4.3 applies a modular approach to implement well-structured software solutions and evaluates their effectiveness

### Task Description/Overview

#### Scenario

You are the owner of a successful software design firm in Sydney Australia. Most of your success has been due to the fact that you take on all of the challenges that come your way. You have identified a burgeoning software design industry in a country and have decided to expand your company onto foreign shores. Naturally, your shareholders require you to conduct a study into this move to ensure that you will not lose all of their money following this venture. As a part of the study, you must complete the following tasks:

### Detailed Assessment Task Description

#### Section one: Handwritten under exam conditions.

You must choose a country in which to conduct your venture. Write several paragraphs describing why you chose said country to expand your business into (This must be from a software industry perspective). (300 Words - Guideline)

Once your country is chosen, you must conduct a study into the social and ethical considerations you must be aware of if moving your business to this country. This study must elaborate on the following issues: (750 Words – Guideline)

- a. Rights and responsibilities of software developers in your selected country
- b. The software piracy and copyright laws of your selected country and how they would apply to you as a developer.
- c. What you must consider in regard to the software market and promoting your product in your selected country.

(Hint: If you cannot determine the exact rights of your selected country then simply discuss each issue in general.)

## **Section two: Hand in the report**

### **Development of your Software for the Foreign Market**

Now that you have established the social and ethical issues that may influence your business branching out onto foreign shores, you must determine the software development approach that you are going to use in the development of your software package. To that end:

1. Explain your development situation. Are you a large company with many employees or are you a small company? Discuss what type of program you are developing. Is it a mainstream application that is set to compete with large software packages or is it a smaller application that integrates with an established package like Microsoft Office? Consider off-the-shelf versus custom-built (300 Words – Guideline)
2. Once you have explained your software project, you are to discuss in detail which development approach you would use for your given situation (i.e., end user for a small program). You must justify your choice of approach through reference back to your development situation. (Include diagrams, pictures, etc. 800 Words - Guideline)

	Outstanding (Grade A)	High (Grade B)	Sound (Grade C)	Basic (Grade D)	Limited (Grade E)
<b>Scenario Questions</b>	9-10	7-8	5-6	3-4	1-2
	<ul style="list-style-type: none"> <li>Student has demonstrated an outstanding understanding of their selected country.</li> <li>Description shows in-depth reasons why country was chosen</li> <li>Student has met or exceeded the recommended word limit</li> </ul>	<ul style="list-style-type: none"> <li>Student has demonstrated a high understanding of their selected country.</li> <li>Description shows reasons why country was chosen</li> <li>Student has met the recommended word limit</li> </ul>	<ul style="list-style-type: none"> <li>Student has demonstrated a sound understanding of their selected country</li> <li>Description shows reasons why country was chosen</li> <li>Student has provided a satisfactory level of information</li> </ul>	<ul style="list-style-type: none"> <li>Student has demonstrated a basic understanding of their selected country</li> <li>Description shows some reasons why country was chosen</li> <li>Student has provided a basic level of information</li> </ul>	<ul style="list-style-type: none"> <li>Student has demonstrated limited understanding of their selected country</li> <li>No reasons discussed as to why country was selected</li> <li>Student has provided minimal information</li> </ul>
	33-40	25-32	17-24	9-16	1-8
<b>Q2. Study into the social and ethical considerations</b>	<ul style="list-style-type: none"> <li>Student has demonstrated an outstanding understanding of their selected culture</li> <li>Student has addressed software developer rights to an outstanding level</li> <li>Student has addressed software piracy and copyright to an outstanding level</li> <li>Student has addressed the software market to an outstanding level</li> <li>Student has met or exceeded the recommended word limit</li> </ul>	<ul style="list-style-type: none"> <li>Student has demonstrated a high understanding of their selected culture</li> <li>Student has addressed software developer rights to a high level</li> <li>Student has addressed software piracy and copyright to a high level</li> <li>Student has addressed the software market to a high level</li> <li>Student has met the recommended word limit</li> </ul>	<ul style="list-style-type: none"> <li>Student has demonstrated a sound understanding of their selected culture</li> <li>Student has addressed software developer rights to a sound level</li> <li>Student has addressed software piracy and copyright to a sound level</li> <li>Student has addressed the software market to a sound level</li> <li>Student has provided a sound level of information</li> </ul>	<ul style="list-style-type: none"> <li>Student has demonstrated a basic understanding of their selected culture</li> <li>Student has addressed software developer rights to a basic level</li> <li>Student has addressed software piracy and copyright to a basic level</li> <li>Student has addressed the software market to a basic level</li> <li>Student has provided a basic level of information</li> </ul>	<ul style="list-style-type: none"> <li>Student has demonstrated limited understanding of their selected culture</li> <li>Student has addressed software developer rights to a limited level</li> <li>Student has addressed software piracy and copyright to a limited level</li> <li>Student has addressed the software market to a limited level</li> <li>Student has provided minimal information</li> </ul>
<b>Development of your Software Product</b>					
	9-10	7-8	5-6	3-4	1-2
<b>Q1. Explanation of Software Product</b>	<ul style="list-style-type: none"> <li>Student has discussed application position to an outstanding level</li> <li>Student has discussed software products to an outstanding level.</li> </ul>	<ul style="list-style-type: none"> <li>Student has discussed application position to a High level</li> <li>Student has discussed software products at a high level.</li> </ul>	<ul style="list-style-type: none"> <li>Student has discussed application position to a Sound level</li> <li>Student has addressed the discussed software product to a sound level.</li> </ul>	<ul style="list-style-type: none"> <li>Student has discussed application position to a Basic level</li> <li>Student has addressed discussed software product to a basic level</li> </ul>	<ul style="list-style-type: none"> <li>Student has discussed application position to a limited level</li> <li>Student has addressed the discussed software product to a limited level</li> </ul>
	33-40	25-32	17-24	9-16	1-8
<b>Q2. Choice and Justification of Development Approach</b>	<ul style="list-style-type: none"> <li>Student has correctly identified a software development approach</li> <li>Student has justified the SDA to an outstanding level. Consistently referring to the given scenario</li> <li>Student has used diagrams, pictures, etc to an outstanding level</li> <li>Student has met or exceeded the recommended word limit</li> </ul>	<ul style="list-style-type: none"> <li>Student has correctly identified a software development approach</li> <li>Student has justified the SDA to a high level. With some reference to the given scenario</li> <li>Student has used diagrams, pictures, etc to a High level</li> <li>Student has met the recommended word limit</li> </ul>	<ul style="list-style-type: none"> <li>Student has identified a software development approach</li> <li>Student has justified the SDA to a Sound level. With little or no reference to the given scenario</li> <li>Student has used diagrams, pictures, etc to a Sound level</li> <li>Student has provided a sound level of information</li> </ul>	<ul style="list-style-type: none"> <li>Student has identified a software development approach</li> <li>Student has justified the SDA to a Basic level. With little or no reference to the given scenario</li> <li>Student has used some diagrams, pictures, etc</li> <li>Student has provided a basic level of information</li> </ul>	<ul style="list-style-type: none"> <li>Student has failed to identify a software development approach</li> <li>Student has failed to justify the</li> <li>Student has failed to use any diagrams, pictures, etc</li> <li>Student has provided minimal information</li> </ul>

### Assessment/ Marking Criteria

### Satisfactory completion of courses

A course has been satisfactorily completed, when the student has:

- Followed the course developed/endorsed by the NSW Educational Standards Authority (NESAs)
- Applied himself/herself with diligence and sustained effort to the set tasks and experiences provided in the course.
- Achieved some or all of the course outcomes