



12 Information Processes & Technology

Task 4: Information Systems

Due Date: 5 Jul 2024

Distributed: 6 May 2024

Weighting: 30%

Task Type: Practical Project

Syllabus Outcome/s: H3.2, H5.1, H5.2, H6.2, H7.1, H7.2

Unit: Project Management and Multimedia

Task Description

You are required to design and create a digital storybook using a variety of computing skills/ technologies and procedures. This digital storybook should then be placed on a website that allows the user to view the book and any other material that is appropriate to the digital book that you have selected.

You will be marked on both the finished digital storybook, which should be submitted via Google Classroom as well as the planning and justification/explanation of why and how you generated the storybook. The documentation should clearly reflect the stages involved in project work which include:

- Designing solutions
- Implementation
- Testing and maintenance
- Social and ethical implications

The digital storybook should include:

Data Type	Elements
Text	Appropriate use of fonts (colour and size).
Graphics	Images you have designed and created. Images you have downloaded (for example, for the background of the scene)
Animation	Animated character(s) and/or objects. Animation techniques such as tweening (path, motion and frame by frame) and/or morphing.
Video	A video clip produced by you that relates to the digital storybook
Audio	Sound effects Background music

The written documentation should include:

Component	Explanation
A logbook/journal	Indicating planning of each step of the project and reflection on what works well and not so well. It should contain at least 2 entries per week and be signed by the teacher weekly.
A justification of technology used	What software has been used/ what are the alternatives/ why was it selected? What peripheral devices have been used (scanner/cameras etc.) What are the alternatives and why one over another?
Evaluation and analysis of the product.	Evaluate the final product with reference to the initial requirements of the project and how successfully it meets the needs and wants of the user. Also provide a detailed analysis of areas that could be improved upon and areas that were successfully implemented.
Bibliography	Acknowledgement of all material used in the project.

Glossary of Key Words

These verbs will provide an understanding of the detail needed to successfully complete this task.

- **Assess:** Make a judgement of value, quality, outcomes, results or size
- **Explain:** Relate cause and effect; make the relationships between things evident; provide why and/or how
- **Justify:** Support an argument or conclusion
- **Propose:** Put forward (for example a point of view, idea, argument, suggestion) for consideration or action

Details of Submission

Digital Storybook

The completed digital storybook and website (link) is to be submitted to Google Classroom by the due date. The digital storybook should be exported as an .mp4 file.

Written Documentation

The written documentation is to be submitted to Google Classroom by the due date addressing the above criteria.

Teacher Feedback and Student Self-Reflection

The task will be returned to students within **14 days** of the due date. Information on how to improve will be provided through written teacher feedback and the marking criteria. Students can clarify or seek further feedback by speaking with their teacher.

Upon return of the task and teacher feedback, students will also be expected to complete the following self-reflection form, to provide them with the opportunity to reflect on the strength of their performance, as well as areas that have been identified to strengthen in future tasks - <https://forms.gle/oBnPJ8EsGLTQZm7Z8>

How does this link to my learning?

This task will allow students to demonstrate their understanding of theoretical concepts, providing students with the opportunity to showcase their knowledge, understanding and skills in

- Effective use of project management techniques including documentation and communication
- Demonstrates the ability to use appropriate resources and tools to effectively develop, document and manage their project

Assessment Procedures

Students should be fully aware of the School Assessment Procedures for their year group. These were provided at the beginning of the school year and are available off the school website under the Learning menu for each year group.

Marking Criteria

CRITERIA	0 - 1	2	3	4	5
Digital Journal	<p>Inadequate information provided for justification of thought processes.</p> <p>Only contains several entries</p> <p>Tasks may not be sequenced</p> <p>Fails to justify thoughts and processes</p> <p>Limited coverage of each competency</p> <p>Minimal relationship of concepts to final product</p> <p>Minimal examples provided.</p>	<p>May contain at most 1 dated entry per week.</p> <p>Attempts to sequence tasks</p> <p>Identifies thoughts and processes</p> <p>Basic input coverage of each competency.</p> <p>Demonstrates basic relationship to the final product.</p> <p>Few examples are provided</p>	<p>May contain at most 2 dated entries per week but mostly only 1 dated entry per week.</p> <p>Attempts to sequence tasks</p> <p>Inadequate justification of thoughts and processes</p> <p>Inadequate demonstration of planning</p> <p>Basic input coverage of each competency.</p> <p>Relatively clear, easy to read and follow</p> <p>Demonstrates some relationship to the final product.</p> <p>Some examples are provided</p>	<p>At least two entries each week.</p> <p>Explanations describes thought process in planning, problem solving and reflection</p> <p>Sequence of tasks are logically planned</p> <p>Each competency is described in the students own words</p> <p>Each competency has several personal examples that show how the student has achieved this competency</p>	<p>At least two entries each week.</p> <p>Detailed explanations demonstrate depth of thought in planning, problem solving and reflection</p> <p>Sequence of tasks are logically planned</p> <p>Each competency is described in detail in the students own words</p> <p>Each competency has several detailed personal examples that show how the student has achieved this competency</p>
Bibliography	<p>No understanding of bibliography or identifies resources used.</p>	<p>Acknowledges a limited number of sources using non Harvard method of referencing.</p>	<p>Acknowledges a number of sources using non Harvard method of referencing.</p>	<p>Acknowledges a range of appropriate sources using the Harvard method of referencing.</p>	<p>Acknowledges a wide range of highly appropriate sources using the Harvard method of referencing.</p>
CRITERIA	0 - 2	3 - 4	5 - 6	7 - 8	9 - 10
Technology Justification	<p>Identifies information technology used in the creation of the digital storybook or no understanding of the information processes and how they link to the project.</p>	<p>Outlines some information technology that may or may not be appropriate for the creation of the digital storybook</p>	<p>Outlines information technology (software or hardware) used in the creation of the digital storybook with some relevant examples. Links examples and information technology the digital storybook created.</p>	<p>Describes the information technology (both software and hardware) used in the creation of the digital storybook with relevant examples that link to the digital storybook created.</p>	<p>Clearly describes and justifies the information technology (hardware and software) used in the creation of the digital storybook with highly appropriate examples.</p>

Evaluation and Analysis	No understanding of how to evaluate the final digital storybook or identifies successes or failures of the design of the solution or testing method or maintenance options	Identifies successes and/or failures of the design of the solution and/or testing method and/or maintenance options. Identifies implementation method but is not appropriate for the solution.	Outlines successes and/or failures of the design of the solution and/or testing method and/or maintenance option. Outlines an appropriate implementation method.	Describes successes and failures of the design of the solution and testing method and maintenance option. Describes an appropriate implementation method.	Clearly describes and evaluates the successes and failures of the design of the solution and testing method and maintenance option and highly appropriate implementation method with justification.
Digital Storybook					
CRITERIA	0 - 4	5 - 10	11 - 16	17 - 22	23 - 25
Digital Storybook	Digital storybook has not been completed or limited quality of digital storybook with a limited range of graphics, texts, sounds and animation types. Website not attempted or website created demonstrates limited design and layout skills. Website may or may not load and function as expected.	Digital storybook is of basic quality and includes some graphics, text, sounds and animation types. Digital storybook has not been exported and/or does not function as expected. Website is of basic quality and/or template used without modification.	Digital storybook is of sound quality and includes a number of graphics, text, sounds and animation types. Digital storybook has been exported and functions. Website is of sound quality and some design techniques have been applied. Includes some links on the website.	Digital storybook is of high quality and includes a range of appropriate graphics, text, sounds and animation types. Digital storybook has been exported as .mp4 format and functions as expected. Website is of high quality and showcases a range of design techniques. Includes links that are appropriate and function as expected.	Digital storybook is of excellent quality and includes a wide range of highly appropriate graphics, text, sounds and animation types. Digital storybook has been exported as .mp4 format and functions as expected. Website is of excellent quality and showcases a wide range of design techniques. All links are highly appropriate and function as expected.

Total: / 55