Terminal Application

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To do	
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☐ Production Log	due 15 Jul, 2021
Priority: High	
Write TWO status updates on your application. You must write a status update who	en:
- you significantly change a feature or your implementation plan at any point	
- encounter a significant issue, challenge or roadblock	
- are halfway through implementing the features	
- prior to / after testing the application	
You should submit these logs throughout the course of developing your application	n.
Each status report should be between 100 - 200 words.	
The Development Log should be written in markdown and placed in a file named of	development-log.md in the root of your
source control repository. Ensure you put the date of the log at the top of each log	entry.
Please send your log to your educator as a markdown file as you complete them. T	his is so we can provide you with
feedback.	
☐ Status update 1	due 12 Jul, 2021
Priority: High	
☐ Status update 2	due 15 Jul, 2021
Priority: High	·
☐ Implement Application	due 16 Jul, 2021
Priority: High	
Implement all features in the software development plan you have designed. You	must utilise a range of programming
concepts and structures using Python 3 such as:	
- variables and variable scope	
- loops and conditional control structures	
- error handling	
Apply all style and conventions for the programming language consistently to all c	ode produced.
Creates an application which runs without error and has features that are consiste	ent with the development plan.
☐ Help File	due 16 Jul, 2021
Priority: High	
Design a help file which includes a set of instructions which accurately describ	se how to use and install the application.

You must include:

- steps to install the application
- any dependencies required by the application to operate

	- a written explanation of the different features of the application	
	Test Application Priority: High Design TWO tests which check that the application is running as expected.	due 15 Jul, 2021
	besign Two tests which eneck that the application is raining as expected.	
	Each test should:	
	- cover a different feature of the application	
	- state what is being tested	
	- provide at least TWO test cases and the expected results for each test case	
	An outline of the testing procedure and cases should be included with the source code of the application markdown.	n and written in
	☐ Test 1	due 13 Jul, 2021
	Priority: High	
	☐ Test 2	due 16 Jul, 2021
	Priority: High	
	Developer Operations	due 16 Jul, 2021
	Priority: High	,
	Source Control Priority: High	due 16 Jul, 2027
	Utilise source control throughout the development of the application by:	
	- making regular commits (at least 20 commits) with a commit message that summarises the changes	3
	Project Management Priority: High	due 16 Jul, 2027
	Utilise a project management platform to track the development of the application by:	
	- having features itemised and broken down into checklists	
	- setting deadlines, duration or a time-frame for each feature or task	
	- prioritising tasks	
	You must submit screenshots, or a valid export from a project management application to satisfy this	requirement. If you
	are using a non-standard project management application, please discuss with your trainer whether the	
	file. If in doubt, screen capture your project management application and submit screen captures.	
	Operating System features Priority: High	due 15 Jul, 2021
	Utilise operating system features to facilitate the building and testing of the application by:	
	- creating a wrapper script which turns the application into an executable	
	- and/or creating a script which performs the tests you have specified in your design document	
	A good mark can be achieved by executing either of these two options in a sophisticated fashion. For	maximum marks,
	attempt both.	
	You must submit a script file in with your source control repository to satisfy this requirement.	
	Submit ZIP file	due 17 Jul, 2021
	Priority: High	

• Your source control repository should be zipped and submitted via the Canvas LMS platform.

- any system/hardware requirements

- The Software Development Plan must be submitted as a plain-text file using markdown
- Your application, exports from project management software, screenshots, and any other part of your submission should be in your source control repository. Any file you submit should have a filename which reflects what the file is, contain your name, and the requirements code it relates to.

For example:

bill-lastname-T1A2-13-project-mgt-checklist1.jpg

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	Implementation Plan Priority: High	due 10 Jul, 2021
	Develop an implementation plan which:	
	- outlines how each feature will be implemented and a checklist of tasks for each feature	
	- prioritise the implementation of different features, or checklist items within a feature	
	- provide a deadline, duration or other time indicator for each feature or checklist/checklist-item	
	You must submit this as a written document, ideally in a tabular format, and it is suggested that you enterint on appropriate project management application to assist you in completing T1A2-10.	er your checklists
	Your checklists for each feature should have at least 5 items.	
	Software development plan Priority: High	due 11 Jul, 2021
	Design a software development plan for a terminal application	
	This task should be written in a single document in a report format with headings.	
	It is suggested that this document is placed in the root of your source control repository, and that you w	rite it in markdown.
	NOTE: we do not accept submission of Word, Pages or Open office documents. We will only accept PDF for written assessments.	s, or markdown files
	☐ Statement of Purpose and Scope Priority: High	due 11 Jul, 2021
	Develop a statement of purpose and scope for your application. It must include:	
	- describe at a high level what the application will do	
	- identify the problem it will solve and explain why you are developing it	
	- identify the target audience	
	- explain how a member of the target audience will use it	
	☐ Features	due 11 Jul, 2021
	Priority: High	
	Develop a list of features that will be included in the application. It must include:	
	- at least THREE features	
	- describe each feature	

Ensure that your features include the following language elements and concepts:

- use of variables and the concept of variable scope
- loops and conditional control structures

- error handling

Note: If the features you described do not require you to use all of the above it is likely that your application is not sophisticated enough. Consult with your educator to check your features are sufficient to address the assessment criteria.	
User Interaction and Experience Priority: High	due 11 Jul, 2021
Develop an outline of the user interaction and experience for the application.	
Your outline must include: - how the user will find out how to interact with / use each feature - how the user will interact with / use each feature - how errors will be handled by the application and displayed to the user	
Control Flow Diagram Priority: High	due 11 Jul, 2021
Develop a diagram which describes the control flow of your application. Your diagram must: - show the workflow/logic and/or integration of the features in your application for each feature. - utilise a recognised format or set of conventions for a control flow diagram, such as UML.	
Please provide an image file or PDF of your diagram.	
Testing	
Complete	
✓ Write out requirements in Asana Priority: High	due 9 Jul, 2021
✓ Cet github backups working Priority: High	due 9 Jul, 2021
Send idea to Oliver Priority: High	due 8 Jul, 2021
Choose application Priority: High Brainstorm ideas What are the minimum viable features? Nice to have? Dream? What sort of errors are you likely to run into?	due 8 Jul, 2021
Scaffold a rough idea of what your program flow might look like Get this, do this, output this	
✓ Raffle	
Random password generator	
✓ Hangman	