

MMME3085: Software Design and Planning Exercise			
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Software Description - Analysis and outline of task: 15%

Outline of the problem to be solved 15%	The analysis of the task to be undertaken is of sufficient detail that the work on designing the operational flow and data requirements can be undertaken.	OK
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Data storage for KEY items e.g. font storage, position of pen etc. (NOTE: Key items only NOT every variable that will be used) - 10%

Key data items 10%	None provided.	OK
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Planned KEY functions - 15%

Key functions (you need only list those you will develop, those provided e.g. RS232 need not be detailed) 15%	A list of key functions for the code is provided. Input/return parameters are incomplete. Function names are descriptive of the operation of the function.	OK
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Testing information - 10%

Testing data for functions and overall application 10%	Comprehensive testing data is provided that verifies the correct operational flow of the application.	OK
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Flowchart - 40%

Flowchart detailing the required operation of the code: 25%	Flowcharts are comprehensive showing the flow of code. They include flowcharts for functions, suitable paths for error trapping and all required items for development of correctly operating code.	OK
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Quality of work (ease of following, layout, consistency in fonts etc.) as distinct from the logical flow of the code: 15%	The flowchart is generally well laid out, some ambiguity AND errors in flow logic remain.	OK
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Use of version control - 10%

Setup of git repository and its use to store changes to documents 10%	No version control has been used	OK
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General Comments

General Comments:
<p>The storeFontData function passes a single char not a char array, the return value should be a data type - if FontData is a structure it should return 'struct FontData'. If you want to use a pointer to return the data you should use a struct *FontData type to pass a pointer parameter. Where you pass a structure as a parameter it always needs to include the struct keyword as well as the structure name. There is no bool data type in C.</p> <p>Where a function is called in the flowchart there should just be a single block with the call to the function name, the detail should then be given in a separate flowchart. Where there is more than one output option from a block a diamond decision box should be used with the test and then the yes/no or true/false should be marked on the exit lines.</p> <p>The flowchart should show reading one character at a time from the text file and some check that the end of a word has been reached.</p>