

Portfolio

by Alastair Holland

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Submission ID: 125015513

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Week Number	Date Planned	Start Date	Finish Date	Work Planned	Work Achieved	Next Steps	Notes
1	20/01/20	20/01/20	20/01/20	Introduction to module lab session	Downloaded slides and made notes throughout lab	Open and read data to see the contents	
1	20/01/20	20/01/20	20/01/20	Download Matlab and get it running	Got Matlab running on my PC	Try and figure out Matlab	Never used Matlab before
1	20/01/20	20/01/20	20/01/20	Download data	Downloaded data and organised it all into a directory	Import this data into Matlab	
2	27/01/20	27/01/20	27/01/20	Specification lab	Got an idea of the work we can do in Matlab	Read the data in Matlab and figure it out	Need to figure how to import data
3	03/02/20	03/01/20	03/01/20	Code planning lab	Started to plan how my interface should look		
5	18/02/20	18/02/20	20/02/20	Import data into Matlab	Got the variables from the .nc file to display in Matlab	Find a way to display this data	
5	20/02/20	22/02/20	26/02/20	Visualise this data in Matlab	Managed to play the data sequentially each time I ran the code	Make the code loop to keep playing	
6	26/02/20	26/02/20	26/02/20	Loop the data so that I can manipulate it	Added a while loop to keep the code displaying	Write the spec now that I know what I can do	
6	26/02/20	02/03/20	04/03/20	Write the specification for the project	Wrote a general idea of what I want to do with this code	Start implementing the next steps from my spec	
7	04/03/20	04/03/20	12/03/20	Add buttons and UI control to the project	Added buttons to change the selected dataset	Add more functionality to the UI	Struggled getting the buttons to work as they were displaying seperately
8	15/03/20	15/03/20	16/03/20	Add pause/play/next frame buttons for control	Added buttons and tested to check they work		
9	16/03/20	16/02/20	17/03/20	Add speed control to the buttons	Added a slower and faster button to control the rate that the data is displayed		
9	17/03/20	17/03/20	17/03/20	Add 2x speed to the display	Only display alternate frames of the data to speed the data up in 2x mode	Write final report	
9	17/03/20	17/03/20	23/04/20	Write up about the code and follow the guidance from Moodle	Followed the module spec and wrote up about my code	Submit the report	Report was confusing and hard to write
10	23/03/20	23/03/20	23/03/20	Initial portfolio deadline	DEADLINE MOVED		Deadline moved to 24/04/20 due to the COVID-19 pandemic
14	24/04/20	24/04/20	24/04/20	Viva & Portfolio deadline			

Portfolio

ORIGINALITY REPORT

0%

SIMILARITY INDEX

0%

INTERNET SOURCES

0%

PUBLICATIONS

0%

STUDENT PAPERS

PRIMARY SOURCES

Exclude quotes

Off

Exclude matches

Off

Exclude bibliography

Off

Portfolio

GRADEMARK REPORT

FINAL GRADE

49 / 100

GENERAL COMMENTS

Instructor

Student informed us that significant evidence for this work could be found in another submission area. Work was re-graded to reflect this.

5011CEM Portfolio Grading and Feedback

Student name:	125015513
Marker	NY updated by RH Updated to reflect evidence provided in highlighted report instead of Portfolio

COMPONENT Grades

Project Management	14/25
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<p><i>Feedback. Please comment on:</i></p> <ul style="list-style-type: none"> · Evidence of planning project overall workload. <i>Has the overall project had at least an outline plan before starting work?</i> · Use of specification to aid planning. <i>Have the spec items been planned ahead.</i> · Evidence of project output design. <i>GUI design, output methods, testing</i> · Evidence of planning code writing. <i>Flow chart, function descriptions, I/O, data flow, etc</i> · Evidence of planning background tasks, e.g. report writing etc. 	<p>3/5</p> <p>1/5</p> <p>4/5</p> <p>5/5</p> <p>1/5</p>
<p>Comments:</p> <p>Shown evidence of short-term planning with key milestones. Some evidence of content planning. Good evidence of interface and code planning in report appendices.</p>	
<p>Time Management</p>	<p>10/25</p>

<p><i>Feedback. Please comment on:</i></p> <ul style="list-style-type: none"> · Was the project executed as planned? <i>How well did the actual project execution match the original plan, was it completed successfully on time?</i> · Were timescales realistic? <i>Was the original plan realistic?</i> · Was the plan updated if necessary? <i>over- or under-runs, additional features added if time allowed?</i> · Were any planned features omitted? <i>Only consider omissions due to time, consider code annotation, report writing etc as well</i> 	<p>3/7</p> <p>2/4</p> <p>2/7</p> <p>3/7</p>
<p>Comments:</p> <p>Project roughly matches the plan showing some basic notes and updates. Some analysis issues arising from manual testing in report indicating adapting and / or keeping the plan track.</p>	
<p>Version Control</p>	<p>16/25</p>

<p>Feedback. Please comment on:</p> <ul style="list-style-type: none"> · Is there any evidence of version control? <i>Consider basic 'file names', Github, SVN etc</i> · Frequency of versions. <i>Are the saves and versions frequent enough, e.g. 2 per project is poor, expect 1 per coding session.</i> · Are the version notes sufficient? <i>Is it clear which version to roll back to?</i> · Is functionality suitably split to allow individual functions to roll back? <i>Functions in separate files etc</i> · Is there evidence of rolling back after coding errors? <i>Grade medium for no evidence, it is unlikely no errors where made that needed rolled back. Unless sufficient documented evidence suggests this happened.</i> 	<p>3/5</p> <p>4/5</p> <p>3/5</p> <p>2/5</p> <p>4/5</p>
<p>Comments:</p> <p>Github used, shows 8 commits. Tests indicate likely roll back after code adaptations.</p>	
<p>Testing</p>	<p>9/25</p>

<p>Feedback. Please comment on:</p> <ul style="list-style-type: none"> · Evidence of planning what and when to test? <i>See log book of project plan for evidence</i> · Evidence of testing each function of the code <i>e.g. did they test that the file names are listed, did they test the data is loaded, did they test the display etc. Version notes should aid with evidence</i> · Evidence of automated testing? <i>e.g. loops for testing data loads, loops to test on sub-samples of data</i> · Evidence of break testing? <i>Evidence of attempts to make the code fail to ></i> 	<p>3/7</p> <p>4/7</p> <p>0/7</p> <p>2/4</p>
<p>Comments:</p> <p>Multiple manual tests of functionality shown in report. Some evidence of break testing, far can it slow down / speed up. No evidence of automated testing.</p>	
<p>Total</p>	<p>49/100</p>

Student name:	125015513
Marker	NY

COMPONENT GRADES

Project Management	7/25
<i>Feedback. Please comment on:</i>	
· Evidence of planning project overall workload. <i>Has the overall project had at least an outline plan before starting work?</i>	3/5
· Use of specification to aid planning. <i>Have the spec items been planned ahead.</i>	1/5
· Evidence of project output design. <i>GUI design, output methods, testing</i>	1/5
· Evidence of planning code writing. <i>Flow chart, function descriptions, I/O, data flow, etc</i>	1/5
· Evidence of planning background tasks, e.g. report writing etc.	1/5
Comments:	
Shown evidence of short-term planning with key milestones.	
Some evidence of content planning.	
Time Management	8/25

<p><i>Feedback. Please comment on:</i></p> <ul style="list-style-type: none"> · Was the project executed as planned? <i>How well did the actual project execution match the original plan, was it completed successfully on time?</i> · Were timescales realistic? <i>Was the original plan realistic?</i> · Was the plan updated if necessary? <i>over- or under-runs, additional features added if time allowed?</i> · Were any planned features omitted? <i>Only consider omissions due to time, consider code annotation, report writing etc as well</i> 	<p>3/7</p> <p>2/4</p> <p>2/7</p> <p>1/7</p>
<p>Comments:</p> <p>Project roughly matches the plan showing some basic notes and updates.</p>	
<p>Version Control</p>	<p>2/25</p>

<p>Feedback. Please comment on:</p> <ul style="list-style-type: none"> · Is there any evidence of version control? <i>Consider basic 'file names', Github, SVN etc</i> · Frequency of versions. <i>Are the saves and versions frequent enough, e.g. 2 per project is poor, expect 1 per coding session.</i> · Are the version notes sufficient? <i>Is it clear which version to roll back to?</i> · Is functionality suitably split to allow individual functions to roll back? <i>Functions in separate files etc</i> · Is there evidence of rolling back after coding errors? <i>Grade medium for no evidence, it is unlikely no errors where made that needed rolled back. Unless sufficient documented evidence suggests this happened.</i> 	<p>0/5</p> <p>2/5</p> <p>0/5</p> <p>0/5</p> <p>0/5</p>
<p>Comments:</p> <p>Mentioned some coding steps but unclear of the changes made.</p>	
<p>Testing</p>	<p>2/25</p>

Feedback. Please comment on:	
· Evidence of planning what and when to test? <i>See log book of project plan for evidence</i>	0/7
· Evidence of testing each function of the code <i>e.g. did they test that the file names are listed, did they test the data is loaded, did they test the display etc. Version notes should aid with evidence</i>	2/7
· Evidence of automated testing? <i>e.g. loops for testing data loads, loops to test on sub-samples of data</i>	0/7
· Evidence of break testing? <i>Evidence of attempts to make the code fail to ></i>	0/4
Comments:	
Some testing at some point in the project.	
Total	19/100