

**ENG1003 19-S2 Assignment 2**  
**Assignment 2 Marking Rubric - Application, Documentation & Tools (16%)**

				Campus: Clayton / Sunway		
				Team: _____		
Category Item	Function Description	Mark category	Rubric Description	Mark	Max Marks	Mark
Code functionality & quality	When the app is loaded	R1.1) Updating local ship and port data	No attempt was made at this. The app will check the version of the data in the appropriate APIs... ... and update the local copy of the data if it has been updated on the API	0 1 2-3	3	
		R1.2) Routes on main page	No attempt was made at this The page displays a list of all routes on the main page	0 1	1	
	Create a ship	R2.1) Enter ship's information (and store local copy) (and update display)	No attempt was made at this The page has HTML elements used to enter the information of the ship... ... and these HTML elements are correctly labeled ... must enter at least the same fields as per the ships API ... input data is validated appropriately ... stores the ship data locally using a class instance	0 0.5 1 2 3 4	4	
	Create a port	R3.1) Enter port's information (and store local copy and update display)	No attempt was made at this The page has HTML elements used to enter the information of the ports... ... and these HTML elements are correctly labeled ... must enter at least the same fields as per the ports API ... input data is validated appropriately ... stores the port data locally using a class instance	0 0.5 1 2 3 4	4	
	View ships	R4.1) List of ships	No attempt was made The page has a HTML element used to display a list of ships... ... and retrieve all ships information ... and generates a list of ships ... and displays the list of ships on the page with an indication of the ships that are locally created ... and provides a way for viewing information for each ship	0 0.5 1 2 2.5 3	3	
	View ports	R5.1) List of ports	No attempts was made The page has a HTML element used to display information of ships... ... and displays appropriate information for the ship	0 0.5 1 2 2.5 3	3	
	Add a route	R6.1) Create a new route	No attempt was made The page has appropriate HTML elements for this functionality and... ... begin by selecting a source port and a destination port via a user friendly interface ... if the desired port doesn't exist, an option should be provided to add a port (via address, geocoding, etc) ... and then selecting an appropriate ship that is suitable for the route via a user friendly interface ... if no ships are available, an option should be provided to add a ship ... and a MapBox map is then displayed with appropriate markers for the source and destination ports ... the user can click on the map to create waypoints from the source port ... and the code checks that there is an appropriate distance between waypoints ... and a marker or point is added visually to the screen when a waypoint is added ... and a line is drawn from the new waypoint to the previous point ... once the route is complete, an option is provided to cancel or confirm the route ... and at some point in this process, the user can select the starting date for the route ... and this works consistently	0 0 2-3 4-6 7 8 9 10-11 12-13 14 15-16 17 18 19-22	22	
	Display all routes	R7.1) Show all the saved routes	No attempt was made There is code to make a request to the Dark Sky API using the appropriate endpoint... ... and date is formatted correctly ... and the request uses a callback function ... and the callback function handles the display of the data (not in a class) ... and this weather data is stored in the route instance ... and the code handles errors (including when no data is available) ... and displays an appropriate message to the user when no data is available ... and this works consistently	0 1 2 3 4 5 6-7 8 9-10	10	
	View a route	R8.1) View route information	No attempt was made The page displays appropriate summary information of the route	0 1	1	
	Delete a route	R9.1) Removing a route	No attempt has been made The page displays appropriate summary information of the route	0 1	1	
	Data Persistence	R10.1) Saving to Local Storage	No attempt was made or Classes not being used Class instances are saved to local storage any time the data is updated... ... and these are serialised correctly ... and their code first checks whether local storage is available	0 1-3 4 5	5	
	Classes	R11.1) Class Design	No attempt was made or Classes not being used Class instances are loaded from local storage when the page is refreshed or loaded ... and these are de-serialised correctly and restored into class instances from data ... and their code first checks whether local storage is available	0 1-3 4 5	5	
	App Design	R11.2) Usability	No attempt was made There is a definition for classes and... ... this includes the required attributes (-0.5 per missing to maximum of -2) ... this includes appropriate getters and setters ... this includes some appropriate methods ... and does not directly interface with external Web Services / Local Storage ... it captures the application data design(s) correctly, taking into consideration coupling and cohesion	0 1 2-3 4-6 7-9 10-12 13-15	15	
	Code quality and Documentation	R12.1) Indenting - Human Readability/Code Structure	• Compatible interface with different sizes of screen on (~10.5") landscape tablets (i.e. iPad Pro landscape) • Uses appropriate colours to differentiate between information, errors and confirmation messages • Visibility (appropriate font size and colour in contrast with the background) • Interface is consistently designed (style and positioning of elements) • Has considered the user interface design principles	-2 ... 0 -2 ... 0 -2 ... 0 -2 ... 0 -2 ... 0	0	
	Code quality and Documentation	R12.2) Good Variable / Function Names - Naming Conventions	No attempt was made. Code shows almost no obvious indenting Inconsistent. Some well indented code, some badly indented code Code is consistently well indented	-4 ... -3 -2 ... -1 0	0	
	Code quality and Documentation	R12.3) Function placement	Variables and functions very poorly named, ex x,y,z; things with little to no meaning Okay in terms of naming, sometimes meaningful, sometimes not Consistently well named functions and variables	-4 ... -3 -2 ... -1 0	0	
	Code quality and Documentation	R12.4) Variable Placement (scoping)	Functions are defined inside other functions unnecessarily, or generally all over the place Occasional nesting of function definitions or other strange decisions but generally okay Consistently good placement of function definitions	-4 ... -3 -2 ... -1 0	0	
	Code quality and Documentation	R12.4) Variable Placement (scoping)	Very poor placement of variables, shows little understanding of scope. E.g., all globals Some understanding of scoping, some variables well scoped, some unnecessarily global Variables are almost always at the right scope for their purpose	-4 ... -3 -2 ... -1 0	0	

Technical Documentation	Documentation	R12.5) CSS Placement (File Scoping)	CSS component code is everywhere in the application files CSS component code placement is inconsistent (eg. some in styles.css and some in html files) CSS component code is all contained within styles.css	-3 ... -2 -1 0	0		
		R12.6) JS Placement (File Scoping)	JS code is everywhere in the application files JS code placement is inconsistent (eg. some in js files some in html files) JS code is all contained within their respective JS files	-3 ... -2 -1 0	0		
		R12.7) JS Placement (code scoping to pages)	There is a shared.js (or other named file/s) that is common to all pages, containing common code (i.e. classes) JS code is scoped to the right files / linked to the HTML pages that use it (not all global).	-4 ... -1 0	0		
		R12.8) Documentation/Comments	There is almost no team-created documentation/comments Inconsistent -- some good team-created documentation/comments, some poor Consistently good documentation/comments (including method header documentation)	-4 ... -3 -2 ... -1 0	0		
	Total for Functionality & Quality				100		
	Scaled to 10%				10%	0	
	Project Management Plan	R13.1) Content: Project information	No attempt was made The PMP includes a section on project information... ... and includes topics of background, scope, intended use, due date ... and the section clearly covers all these aspects	0 0.5 1-2 3-4	4		
		R13.2) Content: Info on personnel	No attempt was made The PMP includes a section on team members and responsibility... ... and includes full names of team members, responsibilities, contact details ... and the section clearly covers all these aspects	0 0.5 1-2 3-4	4		
		R13.3) Content: Decisions on process	No attempt was made The PMP includes a section on practices and processes... ... and includes topics of processes, tools used, repository and docs locations ... and the section clearly covers all these aspects	0 0.5 1-2 3-4	4		
		R13.4) Content: Communication Management	No attempt was made The PMP has a section on how communication should be handled... ... and includes meeting scheduling, minute taking, methods of communication ... and the section clearly covers all these aspects	0 0.5 1-2 3-4	4		
		R13.5) Risk management	No attempt has been made The PMP has a section on how risks should be handled... ... and includes what the risk is, likelihood and mitigation (i.e. resolution/avoidance) ... and each approach is appropriate for the given risk and its likelihood	0 0.5 1-2 3-4	4		
		R13.6) Quality (Deductions)	• Document has no title/cover page or team number	-1			
			• No introduction to explain purpose	-2			
			• Does not uses logical, complete sentences	-1			
			• Chosen language is not appropriate to document's audience (or includes use of jargon)	-2 ... 0			
			• The text does not follow a logical structure	-2 ... 0			
			• Includes spelling and grammatical errors	-2 ... 0	0		
		Requirements Document	R14.1) Features / User Stories	No attempt has been made The document includes sections for features and user stories for these features... ... and the features have been briefly described ... and the user stories for each are correct and have related titles, priority and acceptance criteria ... and this is up to date (based on the current app)	0 0.5 1-3 4-7 8-10	10	
			R14.2) Quality (Deductions)	• Document has no title/cover page or team number	-1		
				• No project introduction to explain purpose	-2		
				• Does not uses logical, complete sentences	-1		
				• Chosen language is not appropriate to document's audience (or includes use of jargon)	-2 ... 0		
				• The text does not follow a logical structure	-2 ... 0		
		• Includes spelling and grammatical errors	-2 ... 0	0			
		Design Document	R15.1) Wireframes / Storyboard	No attempt has been made The document includes wireframes and storyboards... ... and the wireframes are complete for the given app ... and the storyboard maps out all the actions and flows for the given app ... and this is up to date (based on the current app)	0 0.5 1-3 4-7 8-10	5	
			R15.2) Class Diagram	No attempt has been made The document includes a class diagram... ... and the high level design of the app code is described ... and the class diagram clearly shows class names, attributes and methods (which match the code) ... and the class diaram relationships between classes and these have appropriate multiplicities	0 0.5 1-1.5 1.5-3 4-5	5	
			R15.3) Quality (Deductions)	• Document has no title/cover page or team number	-1		
				• No project introduction to explain purpose	-2		
				• Does not uses logical, complete sentences	-1		
				• Chosen language is not appropriate to document's audience (or includes use of jargon)	-2 ... 0		
		• The text does not follow a logical structure	-2 ... 0				
		• Includes spelling and grammatical errors	-2 ... 0	0			
	User Guide	R16.1) Content: How to use	No attempt was made User Guide includes instructions on using the app... ... Includes limitations and requirements for the app ... and includes appropriate short descriptions ... and provides screenshots to illustrate the interface ... and is thorough and covers all the functionality of the app	0 1 2-4 5-7 8-11 11-15	15		
		R16.2) Content: Troubleshooting	No attempt was made User guide includes known bugs, limitations, common questions... ... and description of issues is clear and concise ... and provides explanation, advice or workarounds for these issues	0 1 2-3 4-5	5		
R16.3) Quality (Deductions)		• Document is missing title/cover page or team number	-1				
		• Document is missing introduction or statement that explains the purpose of the document.	-2				
		• Document doesn't consistentlyl use logical and complete sentences	-1				
		• Use of language is not appropriate to document's audience (or includes use of jargon)	-2 ... 0				
• The document does not follow a logical structure		-2 ... 0					
• The document Includes spelling and grammatical errors		-2 ... 0	0				
Total for Technical Documentation				60	0		
Scaled to 6%				6%	0		
Grand Total				160	0		
Percentage				16%	0		