

Program assessment rubricsLab Group: FS2

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Include this page in your softcopy submission. You are required to **fill in the first 4 entries in the table**, indicating how you have made use of these CT concepts in your software design.

Assessment Criteria		Description/Comment	Marks
1	Use of Pattern recognition (10)	1.We used iterative accumulation to compile lists of stalls and foods in our query and search functions. 2.We used while loops to make sure the system keeps running if the user did not close the system. 3.Use of if-else function for most of our functions. For example, the travelling time and opening hours of canteen functions 4.Use of functions to make the code simpler and more readable overall 5.Use of nested functions to make use of functions created in other functions 6.Use of loops to ensure the 7.Use of 'for' loop to extract data from our json file for all the listing functions and search functions 8.Use of recursive functions when displaying table in the GUI. 10.Use of try and except for checking whether the price input is a float.	
2	Use of Abstraction (10)	Use of JSON file to store the databases. Data of canteens and buses are kept in the JSON files as dictionaries, with keys and values. Values used include lists, integers, floats, booleans and strings. With the data in JSON file, we use the load functions to import information and the update functions to export information regarding the canteens and buses. In our load functions, we use json.load() function to convert the JSON string stored in the JSON file into a dictionary.	
3	Use of decomposition (10)	We categorised the files into 3 main parts <ul style="list-style-type: none"> - canteens.json - buses.json - and guiversion.py By separating the data from our algorithms, it makes our code more readable and flexible.	

4	Algorithm Design (20)	<p>We used TIMSORT with the sorted function in our sort functions, and linear search in searching.</p> <p>Tiffany did most of the travel time and GUI functions.</p> <p>Yanli did most of the sort and update functions.</p> <p>Yee Teng did most of the query and search functions.</p> <p>Other parts were team effort!!!</p>	
5	User Interface Design (10)		
6	System Complexity (10)		
7	Teamwork & Presentation (10)		
8	Individual Oral Assessment (20)		
Others (Optional)			

Date of Assessment: _____

By: _____