

## Weekly Exercise #2: Restaurants and Pointers Rubric

Category	Mark
Quiz (on eClass) <ul style="list-style-type: none"> <li>• Correctness of responses for the 5 quiz questions (2 marks each).</li> </ul>	/10
Running Time Computation <ul style="list-style-type: none"> <li>• <code>getRestaurantFast</code> is implemented as specified in the assignment description, using the cached block for consecutive reads (30 marks).</li> <li>• Timing <code>getRestaurantFast</code> reports significantly shorter empirical runtime than timing <code>getRestaurant</code>, and the average is correctly computed without using an array to store previously computed running times (20 marks).</li> <li>• Both <code>getRestaurant</code> and <code>getRestaurantFast</code> are timed fully to read all 1066 restaurants from the SD card (10 marks).</li> </ul>	/60
User Interface <ul style="list-style-type: none"> <li>• The correct text is displayed in all locations in order on startup, and the button column is exactly the correct width (10 marks).</li> <li>• Pressing the FAST button results in calls to <code>getRestaurantFast</code>. Both the running time and average running time are updated (10 marks).</li> <li>• Pressing the SLOW button results in calls to <code>getRestaurant</code>. Both the running time and average running time are updated (10 marks).</li> </ul> <b>Marks may be deducted here for unreasonable user interfaces (i.e., yellow text on a white background, impossibly small text, unreadable fonts, etc) at the grader's discretion.</b>	/30

**Further Note:** Deductions (to the overall grade) may be applied at the grader's discretion if the submission

- Does not compile due to syntax errors. Significant deductions apply if this happens, possibly resulting in a grade of 0 overall. You must submit code that can be compiled. *Make sure your code compiles on the VM using our Arduino **Makefile** before you submit it!*
- Has extremely poor code structure, style, or modularity. Remember, even though C++ does not require proper indentation to be compiled **you must still indent properly for style.**
- Does not follow submission instructions. Remember, you are required to include a README file (no .txt extension to the filename) and to compress all files in your solution into either a single .zip file or a single .tar.gz file.
- Does not follow the Code Submission Guidelines in any substantial way. **Good style (proper variable names, modularity, indentation, comments, etc.) is essential and should be practiced. Bad style will lead to significant mark deductions.**