Project 2 Teamwork Transition Titans - mdaly22

Version 1 11/16/25

A ***separate copy*** of this template should be filled out and submitted by each student, regardless of the number of students on the team. Also change the title of this template to “Project x Teamwork <team> - <netid>”

<table>
<tr><td>1</td><td>Team Name: Transition Titans</td></tr>
<tr><td>2</td><td>Individual name: Matt Daly</td></tr>
<tr><td>3</td><td>Individual netid: Mdaly22</td></tr>
<tr><td>4</td><td>Other team members names and netids: Andrew Myers, amyers9</td></tr>
<tr><td>5</td><td>Link to github repository: https://github.com/MDaly27/Daly-Myers-Project1-TOC</td></tr>
<tr><td>6</td><td>List of included files (if you have many files of a certain type, such as test files of different sizes, list just the folder): (Add more rows as necessary). Add more rows as necessary.
<table>
<tr><td>File/folder Name</td><td>File Contents and Use</td></tr>
<tr><td colspan="2">Code Files</td></tr>
<tr><td>src/bin_packing.py</td><td>Algorithms code for best case and backtracking solutions</td></tr>
<tr><td colspan="2">Test Files</td></tr>
<tr><td>Binpacking_tests.txt, binpacking.txt</td><td>Test input, input</td></tr>
<tr><td colspan="2">Output Files</td></tr>
<tr><td>results/ (best_case_binpacking_sat_solver_results.csv, btracking_binpacking_sat_solver_results.csv)</td><td>Function outputs</td></tr>
<tr><td colspan="2">Plots (as needed)</td></tr>
</table>
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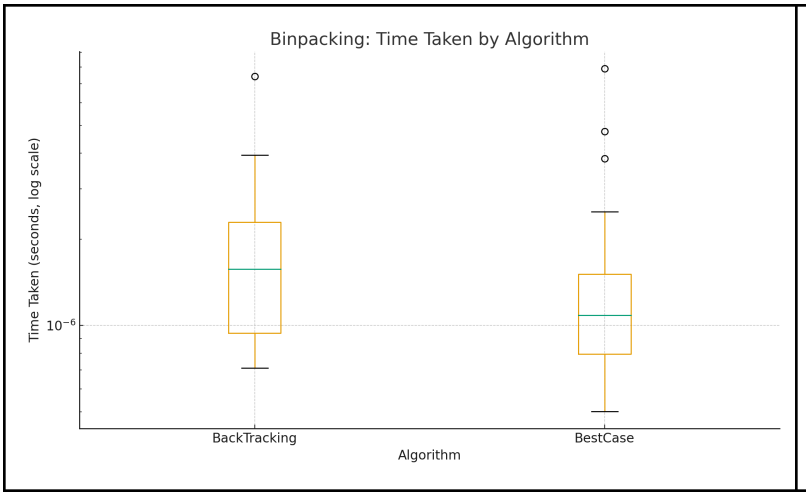
</table>

	
8	Individual Student time (in hours) to complete: 8
9	Your specific activities and responsibilities: Coded the bin packing problem, with some assistance from Andrew Myers. This problem was my selected one.
10	What was personally learned (topic, programming, algorithms) I learned how you can use recursion to track multiple parameters and implement a backtracking solution for this problem. I also learned how bin packing and the coin change problem are distinct.
11	How team was organized, and what might be improved. Matt - Lead developer Andrew - Co lead developer We could have focused more on partner programming/ mob coding on this assignment to breed mutual understanding.
12	Any additional material: Some use of online resources and ChatGPT for debugging.