

## Individual Analysis Report (placeholder)

### Student B - Max-Heap Implementation

This PDF is a placeholder analysis report. Replace with a full 8-page PDF that contains algorithm overview, complexity analysis, code review, empirical results and conclusion as required by the assignment.

Key points to include when completing:

- Time complexity for extractMax, increaseKey, insert, buildHeap ( $\Theta$ ,  $O$ ,  $\Omega$ ).
- Space complexity analysis (in-place vs auxiliary).
- Empirical plots (time vs  $n$ ) and CSV data in project root.

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