Group No: 15
  Ameya Hujare (A20545367)
  Deep Pawar (A20545137)
  Canyu Chen   (A20479758)
Professor: Gerald Balekaki
Institute: Illinois Institute of Technology

CS 525: Advanced Database Organization

Spring 2025 - Assignment 2 - Buffer Manager

CONTRIBUTION TABLE

Group no 15: Individual Contribution			
CWID	**Name**	**Contribution (description)**	**Percent Contribution**
A20545367	**Ameya Hujare**	• **Implement initBufferPool, shutdownBufferPool, and forceFlushPool.** • **Implement pinPage, unpinPage, markDirty, and forcePage.** • **Manage mgmtData to store bookkeeping information for the buffer pool.**	**33.3%**
A20545137	**Deep Pawar**	• **Implement getFrameContents, getDirtyFlags, and getFixCounts.** • **Implement getNumReadIO and getNumWriteIO for tracking I/O operations.** • **Write debugging functions to validate the**	**33.3%**

		correctness of the buffer manager. • Implement additional page replacement strategies (CLOCK & LFU)	
A20479758	Canyu Chen	• Develop and extend test cases in test_assign2_1.c and test_assign2_2.c. • Write a README.md describing the implementation and usage. • Set up the Makefile for compiling and running tests. • Review and ensure correctness of all functions.	33.3%