

# CSCE 500 Homework Assignment #1

September 26, 2022

## Work on the following exercise problems:

- (1) **4.4-1 d** (on pp. 101)
- (2) **4.5-1 e** (on pp. 106)
- (3) **4-1 c** (on pp. 119)
- (4) **4-1 d** (on pp. 119)
- (5) **4-1 h** (on pp. 119)
- (6) **4-3 f** (on pp. 121)
- (7) **4-4 f** (on pp. 121)
- (8) Consider cuckoo hashing with two hash functions and two table components,  $T_1$  and  $T_2$ .
  1. Is there any advantage making  $T_1$  far larger than  $T_2$ ?
  2. How do you deal with failure insertion under cuckoo hashing?

**Due in Class on October 3 , 2022**