Announcements

Syllabus

Syllabus for CSE 231/506, Winter 2017

Important Date

Midterm (Thursday 02/09 10:00AM - 11:47AM) covering Chapter 1, 2, 3, 4, 5, close book

Final: Thursday 4/20, 8:30-11:00AM, all chapters, close book

Midterm solutions

Midterm

Final exam sample questions

Solutions to selected questions of the final sample questions 2017

Chapter 1, Getting Started

prerequisite survey

class exercise #0, integer array sorting

Lecture Notes

Test Items of Chapter 01

class exercise #1, Java class design (exercise #15 from textbook)

Sample answer for a and b
Chapter 02, Abstract Data Type

Lecture Notes
Test Items for Chapter 02
Class exercise #1, howMany/uniquelInsert function of StringLog
   Solutions are already in github repository
Class exercise #2, LinkedList
Class exercise #3, Testing
Answers to textbook exercises for chapter 02

Chapter 03, The Stack ADT

Lecture Notes
Test items for Chapter 03
Class exercise #1 stack example
Assignment #2 (Course and Enrollment of OUSoft, and stack exercise), due 02/13 11:55PM
Assignment 2 OUSoft-EnrollmentStack (Update 01/31 9:30AM)
Assignment #2 submission
Answers to textbook exercises

Chapter 04, Recursion
Chapter 05, the Queue ADT

Lecture Notes
Test items for Chapter 05
Answers to textbook exercise
class exercise chapter05 2-LinkedBasedQueue
class exercise chapter05 1-QueueOperations
Assignment 3 (Stack, Recursion and Queue), Due 02/28 Tuesday 11:55PM
Assignment #3 Description (Due 03/02)
Assignment #3 submission (due 03/02 Thursday 11:55PM)

Chapter 06, The List ADT

Lecture Notes
Answers to textbook exercises
Test items for Chapter 06
class exercise chapter06 1-BinarySearch

Topic 8

Mid Term Exam (Midterm grades are available in the gradebook)

Chapter 07, More List

Lecture Notes
Test items for Chapter 07
Answers to textbook exercises
Chapter 08, Binary Search Tree

- Lecture Notes
- Test items for Chapter 08
- class exercise chapter08 1-BST-Traversal (#25 is 20-point bonus question to be submitted with assignment 4)
- class exercise chapter08 2-BST-AddRemove
- class exercise chapter08 3-BST-InsertBalanced
  - Assignment #5

  - Assignment 5 BST and OUSoft GPA/Rank feature (Due 03/30)
  - Assignment #5 Submission

Chapter 09, Priority Queue, Heap and Graph

- Lecture Notes
- Test items for Chapter 09
- class exercise chapter09 1
  - Assignment #6

  - Assignment #6 description
  - Assignment #6 submission

Chapter 10, Sorting and Search Algorithms

- Lecture Notes
- Test items for Chapter 10
Topic 13

Final Exam

Topic 14

Topic 15