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CS260 Spring 2022-2023

5/11/2023

CS260 Midterm Assessment

1. Logistics
   1. I completed all the reflections. The first one, however, I did turn in late because I assumed that there wasn’t one since we didn’t have an assignment due. Only to find that when I saw my friends again on Monday, that we did in fact have one due Friday of week 1.
   2. I completed all the homeworks. I enjoy programming so I always started the homeworks early, turning it in as soon as I could.
   3. I attended all the lectures except for one. I only missed that one because my landlord was replacing faulty outlets in my room. He could only meet me on Tuesday at 8:30am and he took forever! I unfortunately missed that one lecture, but I was able to review the material from the slide notes and catch up anyways.
   4. Yes, I do feel confident in my homeworks. Replit’s unit tests are a good resource and help me confirm that I am doing the assignment the way you intended.
2. Homework Review
   1. I learned the most from the hash table homework. The Computer Engineering track has not exposed me to hash tables. Also, I found it fascinating and puzzling how to define words in a character stream. At first, I was stressed because it is difficult to define every end of word condition but following how the prompt defined a word was helpful.
   2. The only thing that was slightly frustrating was defining a word for the hash table assignment. But my frustration was short lived because the prompt answered it for me.
   3. No not really. I got perfect scores on all the homeworks that I have turned in and have not had to fix any style errors. So, I am pretty okay with what I have turned in.
3. Course Review
   1. I am taking this class because it is part of my degree. But as an embedded systems engineer, having a formal education on data structures is important. I wanted to further my exposure to and experience with complex data structures, especially in C. From this class, I want to gain more experience with different types of data structures and how I can apply them in embedded applications.
   2. 4.7/5. Great book, very informative. Each chapter is filled with graphics, tables, and other media to help paint the picture. A few more examples could be helpful, but it still provides an in depth exploration of several fascinating topics.
   3. The most interesting thing must be the hash functions. Since hash tables are a simple topic, I enjoyed thinking about how the data is rearranged with different hashing functions. It is a difficult relationship to understand at face value. But learning about hash tables opened the door to this thought experiment.
   4. Honestly, nothing has confused me yet. It has all been straightforward with the experience I came into this class with.
4. Skill Assessment
   1. Experimental Analysis
   2. Algorithm Design
5. Since I have turned in my homeworks early and received perfect scores without any style errors. I believe that I deserve an A+ for the first half of this class. Besides my assumption during week 1, I have done all the required work for this class as early as I can. I learned from that assumption and have not turned in a reflection or assignment late since. I am eager to learn and excited to implement the material covered in this class. I love bringing up how what we are learning is applicable to embedded devices in the reflections because it is all so relevant. I have only missed one lecture because of my landlord, but I put in effort to every single other lecture. I stay attentive and participate when I can. For all those reasons, I feel that I deserve an A+.