Computer Systems

Week 5

Overview

In this laboratory you will begin planning and   implementing your assignment

Purpose: To begin planning and get feedback/help on your assignment

Task:

Time: This lab is due by the start of your week 6 lab.

Assessment: This lab is worth 1% of your assessment for this unit, and only if demonstrated to your lab demonstrator in the week it is due.

Resources:
- Assignment Handout (download from blackboard)
- All previous resources

Submission Details

You must submit the following files to Canvas:

- A document containing all required work as described below.

Instructions

Planning your assignment

1. Read through the assignment handout carefully and make sure you understand the requirements. Ask your lab demonstrator, or post to the discussion board if you have any questions.

2. Examine the first stage of the assignment:

    2.1.   List the major components you believe you will need to build to achieve this.

    2.2.   What resources (lecture slides, previous labs, online links etc) do you have that are relevant to these components ?

3. Start sketching your solution - either free-hand drawings or logisim circuits are fine. You might want to focus on specific components and consider their design in isolation. Discuss with your lab mates, and your demonstrator (but remember your work has to be your own !)

Export your rough circuits as images (or take pictures of your sketches) and include them it in your submission document, along with your responses to the above questions.

When complete:

■ Submit your answers (screen shots, etc) in a single document using **Canvas**

■ Show your lab demonstrator your working circuits in class (you must do this to get the 1%). Your lab demonstrator may request you to resubmit if issues exist.