Annie Du

Lab Section B21

Custom Lab Proposal

**Objective**

The objective of the custom lab is to create a project with the techniques used in our previous labs so that we may learn to apply the learned techniques. In this case, our custom lab project was limited to three different given projects: Jukebox, Alarm Clock, and the game Simon. Below is my proposal for the lab project I decided to take on.

**Proposal**

My custom lab project will be the Alarm Clock design with the specifications given by the professor. The Alarm Clock design will include the following specifications:

LCD to display time

Button press to tell clock that user is setting time

Button press to tell clock that user is setting alarm

Input of numbers to represent time

Buzzer goes off for alarm

Button for snooze, snooze capability

Extra Credit: visual cue when alarm goes off for hearing impaired