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Project: ATLS - 5120

Milestone 1: Creative Brief

For Project 2, the application that will be developed will be a data collection interface for student behavior in a classroom setting. In the application, there will be a timer in the Android application page. The timer will refresh every 15 seconds and the selections made on the buttons will be refreshed. The user has 15 seconds to make selections on the application screen. The buttons that will be included in the application are:

- Sitting down
- Disturbing Others
- Listening/Observing
- Disruptive
- Walking around the class

These buttons are used to collection data on the behavior of a student in a classroom setting to determine if the he/she has ADHD. There will be two columns of the buttons listed above. One column of buttons will be used to collect the data on a student who behavior is being monitored for ADHD while another column of buttons will be used to observe the behavior of a peer sitting around the student being monitored.

The user will be able to select the total time for the duration. The options are:

- 15 mins
- 30 mins
- 45 mins
- 60 mins

The frequency of observation against the above listed criteria will be set to 15 seconds.

The application will contain a start/pause and stop button. Start button will start the timer for observation. Pause button will pause it and stop button will end the observation. Based on the state of the observation, the observation buttons may be enabled or disabled. For instance, before starting the observation, all the observation buttons are disabled, while once the start button is pressed, all the observation buttons are enabled. When stop button is pressed, the observation buttons are disabled again.

The data collected every 15 seconds will be collected in one of the Collections data structure (could be HashMap) and then cumulative the observation is presented to the user in the end.

Mockup for the application page:

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The sketch depicts a digital interface for a peer observation tool, enclosed in a rectangular frame. At the top, there are three main sections: a 'setting' button on the left, a central timer display showing '00:00:00', and a 'STOP' button on the right. Below these, the interface is divided into two columns. The left column is headed 'Observed student' and contains five empty rectangular boxes for recording observations. The right column is headed 'Peer' and contains five empty rectangular boxes for recording feedback. At the bottom center of the interface is a circular button labeled 'START/PAUSE'.