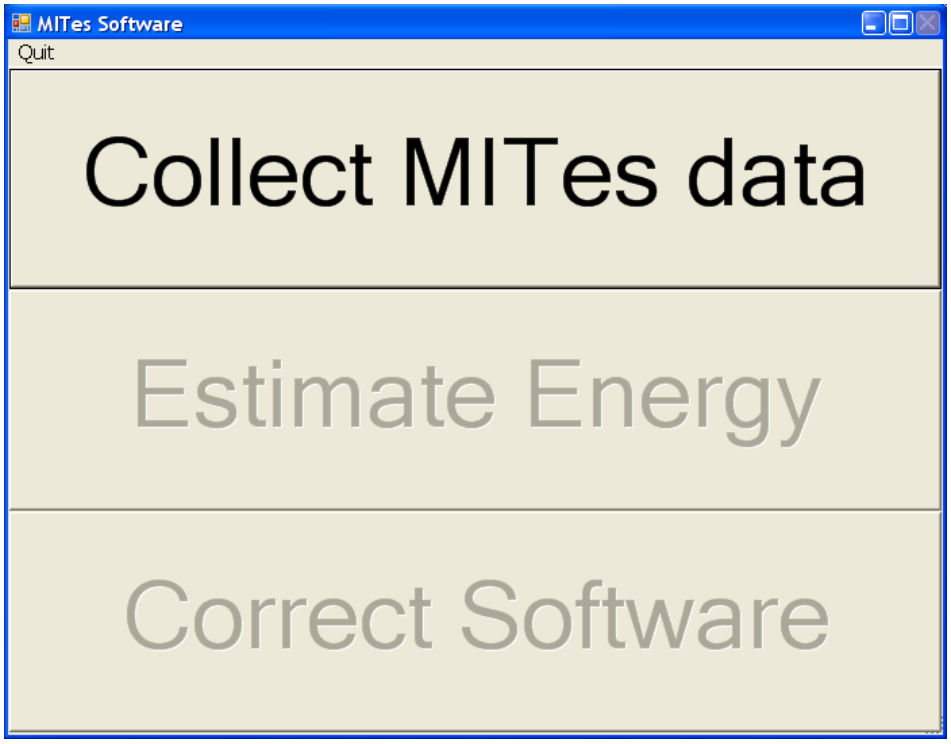
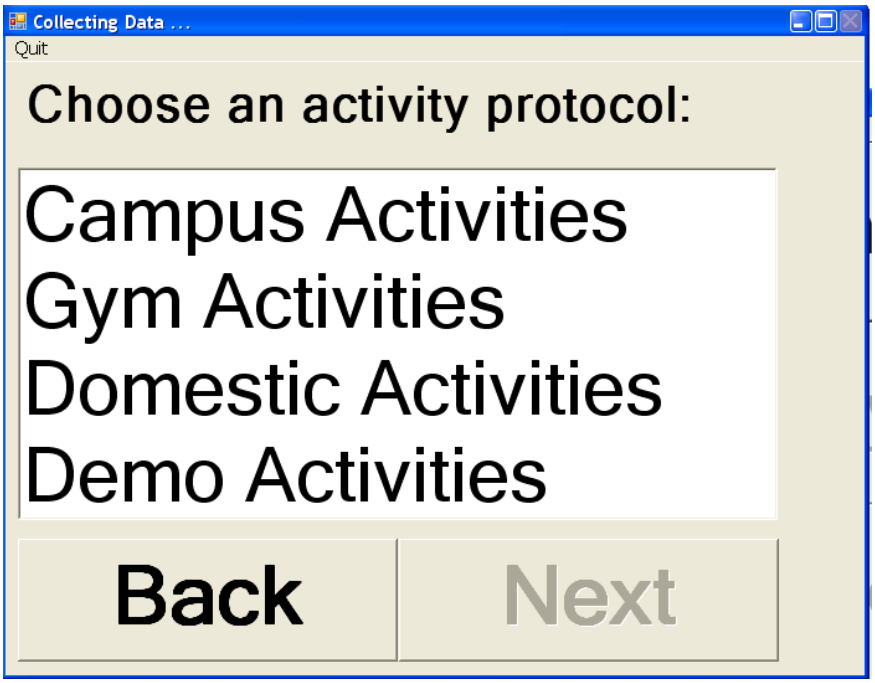
MITes Data Collection Software

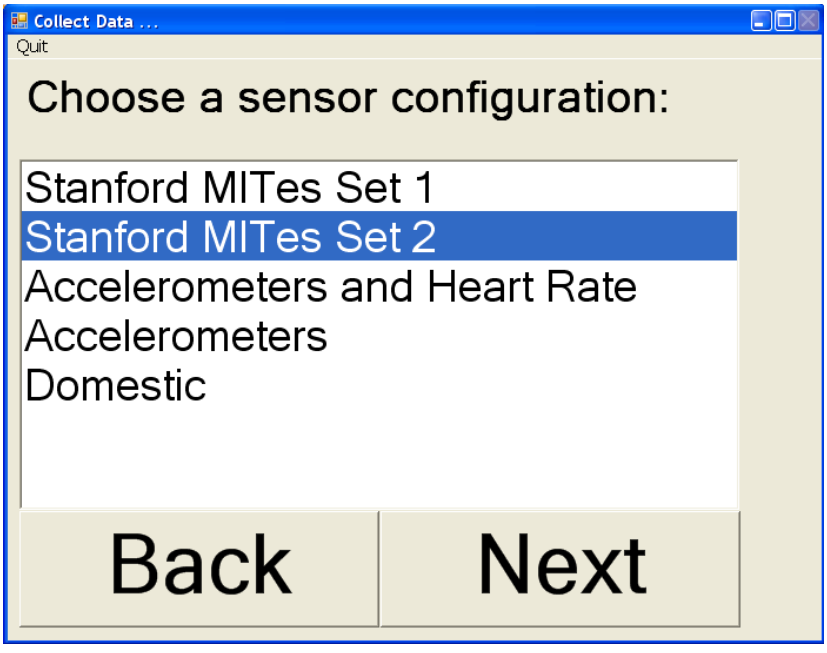
- **Installation Instructions:**
  - Start by uninstalling any existing MITes installation.
  - Use the provided Setup.exe file to install the MITes software.
- **Post Installation Instructions:**
  - First attach your MITes receivers to the PC. Make sure that your MITes accelerometers have new batteries.
  - You will find an MIT entry in your startup Menu, click on MIT> DataCollectionSoftware.
  - The following window will appear, click on **Collect MITes data.**



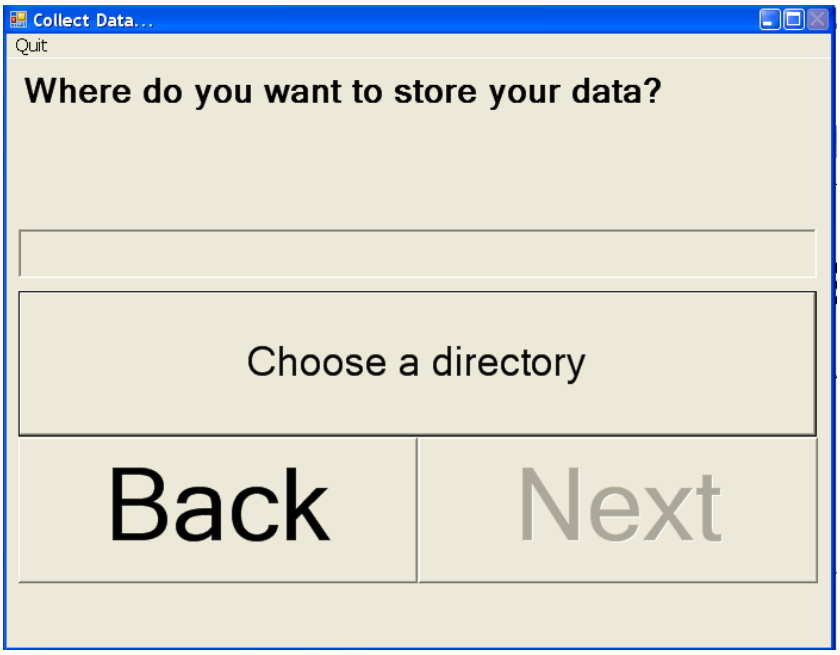
o# Choose an activity protocol from the shown list and click next.

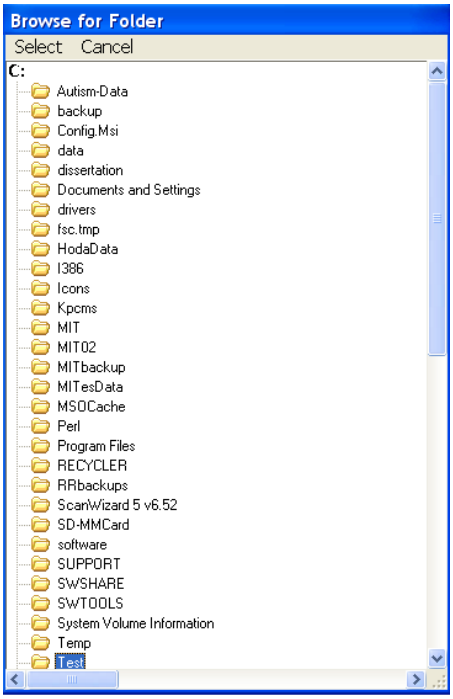


o# Choose a sensor configuration and click Next.

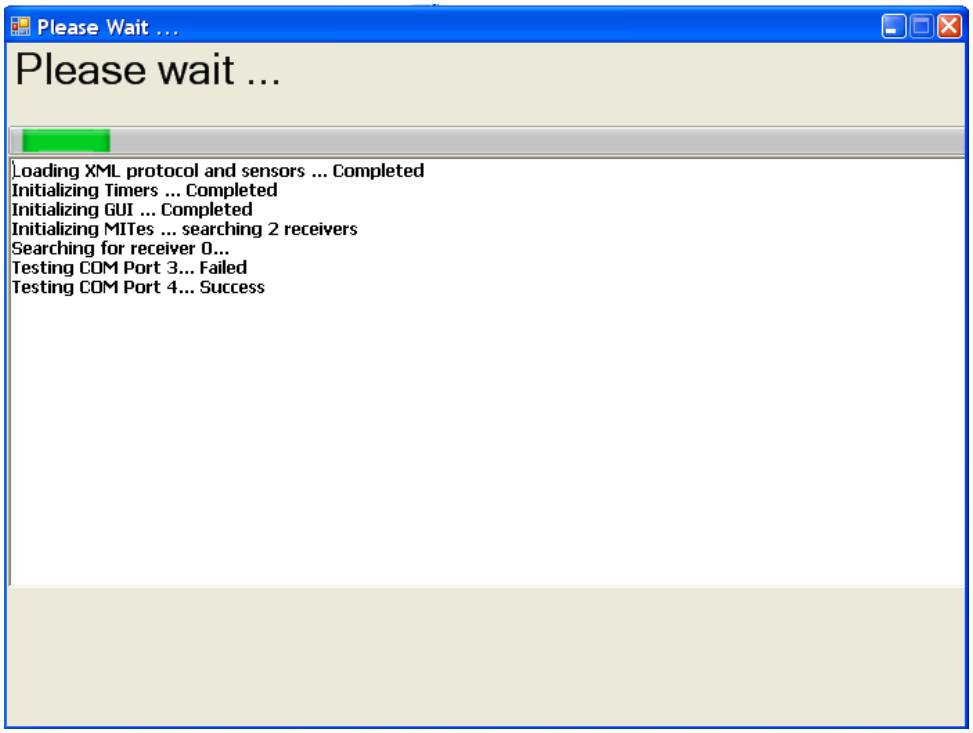


o# Choose where you want to store your data. **The data directory has to be empty**. Double click on the folder then click Next.





o# The software will look for the connected receivers and setup the data collection session based on your choices.

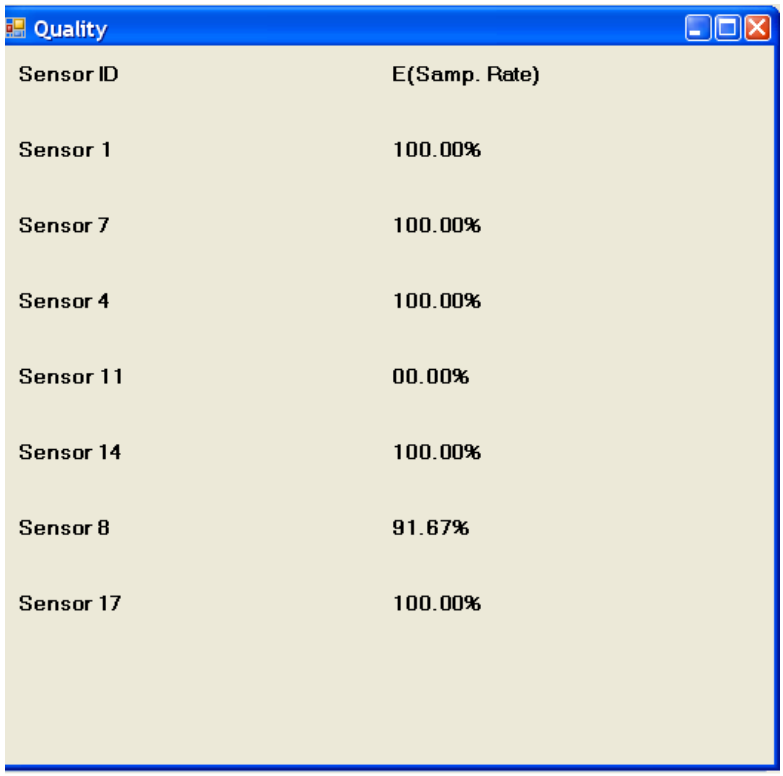


- # **Data Collection Instructions:**
  - # 4 windows will appear. Resize them to your like.
  - # The first Window is a visualization window that will show in real-time the accelerometer's signals. At the bottom, you will see in real-time, activity counts for all accelerometers and measured heart rate.

o# The second window loads the annotation labels from the chosen activity protocol. By clicking on the buttons with the activity labels, you will be able to browse through mutually exclusive activities. By clicking on the start button, you mark the starting time for an activity. This changes the button to a stop button as shown in the next figure. By clicking on the stop button, you mark the end of an activity.

- Importantly, at the top there is a green and a black timer. The black timer will start with each annotation (i.e. when you click start). It will reset to 00:00:00 once you click Stop or reset.
- The green timer will allow you to assess how much of good data you have collected so far. For example, if the signal from 1 MITes board deteriorates significantly the timer will stop incrementing thereby indicating that you might need to extend your session to ensure enough good data has been collected or it may indicate that you have a problem with one of the sensors.

- To identify the source of the problem, the third window will give the expected sampling rate for each sensor. You can troubleshoot the sensor that is causing the problem.



- The last window has a single button, that should be pressed once the Oxycon data collection is started. This will record a synchronizing timestamp that can be used later to synchronize the data.