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Simple Time Clock Application

Create an application that represents a simple time clock. You are free to use the programming language of your choice. The application must follow the requirements listed below.

* Allow user to be identified using a unique ID assigned to each employee.
  + Users that cannot be identified should not be able to use the application.
* Allow users to start a work shift.
  + Do not allow users to start multiple shifts simultaneously.
* Allow users to end a work shift.
  + Do not allow users to start a shift during an active shift.
* All shift data performed by users should be recorded and made available upon returning to the application.

Optional requirements if time permits:

* Allow users to start/end a break, but only during an active shift.
  + Do not allow employees to end a shift if a break is active.
* Allow users to start/end a lunch, but only during an active shift.
  + Do not allow employees to end a shift if a lunch is active.
* Allow new users to register themselves in the application.

*Note: Please email details by 8am on the day of your interview. It works best if you can post the code to a source code repository (such as GitHub) and send us the link.*