5.1 Functional Requirements

[This subsection should specify how the software product will react to every possible input situation. It describes all the actions that must take place in the software in response to every input. Pertinent changes in the environment are considered to be inputs.

Care must be taken to avoid dropping into design details. In the user cannot directly experience the effect of a requirement it probably crossed the line into design.

Functional requirements should be logically grouped. Each group should have a short, unique (within the SRS) abbreviation and a number. The word processing section number will probably change as the SRS is developed.

For each identified requirement an optional rationale for that requirement may be given.

Most modern software should provide at least a modicum of user help. For very complex applications in situ help may be supplemented by a user’s manual (or manual page) but for many simple applications comprehensive in situ help is sufficient.]

5.1.1 System (SM)

SM1: Login

Given login credentials, Username: Password, the user will be able to sign into their own account. The Login is logged.  
Priority: Imperative.

SM2: Logout

User indicates they want to logout, system logs and returns the user to the login page.  
Priority: Imperative.

SM3: Notify

Given a time frame, the system will notify instructors and program coordinator of deadlines on data gathering.  
Priority: Important.

SM4: Data Lockout

Given a time frame and feature is activated, the system prevents users from adding more data after the time frame as expired.  
Priority: Important.

SM5: Automatic conversion from operational to analytical data

Given a time frame and feature is activated, the system will prevent new data from being entered, and convert operational data to analytical data.  
Priority: Under assessment.

SM6: Change Log

Upon request, system will show changes made in the past and what they’re connected to; by user, time, what changed.  
Priority: Imperative.

SM7: User Log

Upon request, system will show user login times, logout times, or user privilege(role)/name changes.  
Priority: Imperative.

SM8: Preserve Data

Given a change in data, the system will not retroactively change old data, instead a change log will be produced.  
Priority: Imperative.

SM9: Automatic Logout

Given a time frame from inactivity, the system logs the user as timed out and return the user to the login page.  
Priority: Under assessment.