Architecturally Significant Functional Requirements

- **Textual Analysis:** This provides users with the ability to upload a text sample and select a profile to determine whether the individual whose profile we have compared against was the author of the sample text via the back-end analysis algorithm.
- **Analytics:** Users can view an in-depth report or visuals regarding the results of the analysis including details such as a similarity score which indicates the likelihood that they are the author. The interface should also have the ability to indicate to the user the differences between the selected individual writing style and that of the provided sample text.
- **Registration and Login:** The interface should allow users to create an account depending on whether they are a teacher or students. The interface needs to utilize some form of identification or ID to ensure that users feel that their privacy is secured especially since the interface is dealing with individual's personal documents and storing sensitive information
- **Storage:** Provide users with the ability to store one or more files that are associated with a writing profile
- **Develop Profile**: Provided users with the ability to upload files that they can run through the analysis algorithm to determine the desired individual writing profile. Users should also be able to add a sample text to the individual's profile if they so wish via a prompt
- **Manage Class:** Users that have a teacher account should be able to add their different classes and within these classes add students whose writing profile they would like to analyze or add all their students.