

Chris Adams and Mark Eliseo
Dr. Teresco
CSIS 340
November 4, 2019

Project Proposal

Our project is meant to be an application using Node.js. This application will have the functionality to scan information from the Siena College student digest and post a tweet on twitter containing the information. The application will split each headline from the digest into separate tweets that include a link to the associated headline. In order to do this, we must first gain the ability in Node.js to access our Siena College email accounts to systematically pull information from our inboxes. For the sake of security, we may also reach out to the ITS helpdesk or to the student digest itself to allow us to use a separate email from our own in order to receive the digest information. In Node.js we plan to use the Nylas Email API in order to easily scan through our inbox. This API is incredibly useful because it features datatypes in each email object for fields such as recipient, sender, subject, message body, etc. If this API does not work out, we can also make use of the Mailparser module in Node.js to scan for the pertinent information. Once we have this information, we can format the message body and pinpoint the headlines along with their associated hyperlink. From there, we hope to make use of the Twitter API to automatically tweet these headlines. Due to Twitter requiring an application process to gain access to the Twitter API, we must wait to ensure that we gain access. Once we have access, we can tweet the headlines either immediately upon receiving the digest or tweet them on a timer and separate them throughout the day. In addition to tweeting, we can also have our account favorite and retweet other tweets posted by other Siena College twitter accounts like sports teams, clubs, etc.