2 Heads Are Better Than 1
Iteration 1
Iteration Plan

1.) **High Level Objectives**
- Deployment System - Event Social will be deployed on Heroku. Heroku is a free cloud platform that allows developers to easily build, monitor, and deploy applications to the web. It's as simple as pushing our code from GitHub to Heroku and then navigating to the custom Heroku domain.
- Demo - Event Social will be demoed using the live Heroku site. For this demo, we will be showing off the ability to sign up, login, sign up with Twitter, login with Twitter, logging out, and proving that Event Social can pull the desired tweet with a specific hashtag and then be displayed on the site.
- Use Cases Implemented
    - Login - Allow the user to login to the site to access all the features of Event Social. The user can do this by using the Twitter API and authorizing Event Social to use their account or by using an internal form on the site. If the user does not have an account with Event Social yet, they can click a button that will allow them to go to a page to sign up for an account. On this page, they can sign up by using the Twitter API and authorizing Event Social to use their account or by using an internal form on the site. Once they have created an account, they will be redirected back to the login page, where they will be able to log in to their account which will allow them to use all of Event Social's features.
    - View Tweets - Allow the user to view any tweets that contain a specific hashtag. The user navigates to the tweets page where all of the tweets related to that hashtag will be pulled and stored in the database. For iteration 1, we will be hard-coding a hashtag that will be used to pull tweets onto the page. In future development, we will be allowing the user to enter hashtags for an event that they would like to subscribe to. Users can subscribe to multiple events, so they will be able to select which of their events' tweets they would like to view on their tweets page.

2.) **Work Item Assignments**
- **Ryan**
    - Developed the backend code for Iteration 1, which included setting up the database and making sure the use cases (login and view tweets) were implemented functionally. I worked closely with the Twitter API so that Event Social can make use of its features such as logging in with Twitter and pulling tweets from Twitter. Outside of using the Twitter API, Event Social successfully creates new users and can login current users.
    - Created the Event Social logo in Adobe Photoshop.
    - Worked on creating system sequence diagrams (SSDs).
    - Worked on creating interaction (sequence) diagrams.
    - Worked on creating the iteration plan.

- **Joey**
  - Developed the frontend code for Iteration 1, which included creating the UI for the home page, Tweets page, login page, and signup page. Used HTML with the Foundation Framework to make Event Social mobile responsive and created custom CSS to style the elements of the site. Also implemented a jQuery event to make the logo responsive on hover.
  - Created the domain model.
  - Worked on creating system sequence diagrams (SSDs).
  - Worked on creating interaction (sequence) diagrams.
  - Worked on creating the iteration plan.

3.) Evaluation Criteria
- Event Social must pass the tests at least 90% of the time for Iteration 1.
- Tests
  - *Login* - This use case is the most critical to the success of the iteration because without allowing the user to sign up or login to Event Social, the application is essentially useless since no one can access the site. This use case needs to pass 100% of the tests thrown at it. To test this use case, we will do the following:
    - Create an account on Event Social through the internal sign up form. It is important to enter incorrect formatting characters in the form to ensure that the system is validating user input.
    - Create an account on Event Social using the Sign In With Twitter button and providing the application access to Twitter credentials.
    - Log in to an account that was created using the internal form by entering the correct email address and password. It is also important to enter incorrect credentials to ensure that the system does not incorrectly log in somebody who should not have access to the site.
    - Log in to an account that was created using the Twitter sign up by clicking on the Sign In With Twitter button.
  - *View Tweets* - This use case is important to the success of the iteration because it is the beginning of what will be the most used feature of Event Social. We are currently pulling all tweets that contain a hashtag that is hardcoded in the back end of the code, but in the future, the user will be able to specify what hashtag they would like to view. To test this use case, we will do the following:
    - Navigate to the Tweets page; all tweets displayed should contain the hashtag "#EventSocial2016".
    - Compose and send a tweet that contains the "#EventSocial2016" hashtag somewhere in it.
    - In approximately one minute, navigate back to the Tweets page, refresh the web browser, and the tweet that you just sent should now be displayed on the top of the page.
- A favorable response to the demo by the instructor and classmates from other teams.