# **Summary**

For each project you complete, compile the following information:

**Description**. Study of the choices made by individuals and the values placed on these choices when performing daily activities.

**Motivation**. Similar to other social media sites, would like to gain better understanding of the population segments to identify how and why choices are made daily..

**Results**.

Created a social media site that allows users to join groups with similar interests. These users are able to interact with each other through an online chat feature, and administrators can assign tasks with values to challenge the user.

**Implementation**

Presentation layer uses ejs to create embedded javascript templates to the site and present a consistent user interaction. In addition to custom styling, materialize was used to enhance the presentation. To facilitate chat functionality, socket.io was used to manage the communication between the clients and the database server. The application was deployed to Heroku implementing jawsDB.

A number of additional additional packages implemented in this project including

**Async** provides additional support to support asynchronous javascript

**bcrypt** used to implement hashing for password security

**connect-flash** middleware implementing flash messaging, allowing messages to be available to subsequent pages

**cookie-parser** middleware used to parse cookies into JSON objects

**lodash**  javascript library to simplify and improve performance

**moment** library to simplify date manipulation

**multer** to manage the upload of files

**passport** to handle authentication models

**rotating file stream** for creating files for logging, etc.

**webpack** creates bundles (javascript, css, etc) that are asynchronously loaded to the browser at runtime.

**nightmare** used to automate testing

## 

## **Team Efforts**.

Ricky and Trevor drove this effort and were relentless, seamlessly integrating each new technology. Sean was left in awe and tried to implement testing and maintain documentation.

## **Challenges**.

Ricky and Trevor were very impressive in taking this challenge and running with the development and implementation.

We did have an issue with deployment Heroku. The package.json file needed to have the start script updated to include the webpack command to compile before each server start.

**Improvements**.

The limiting factor for this team was time. Although we were able to produce a minimum viable product, there were a number of ideas that were discarded, such as additional administrative functionality that were abandoned for fear the product would not be finished in time.