1. What are the names and NetIDs of all your team members? Who is the captain? The captain will have more administrative duties than team members.
   1. Captain: Pratyusha Pogaru (group of 1)
   2. NetID: ppogaru2
2. What topic have you chosen? Why is it a problem? How does it relate to the theme and to the class?
   1. The topic is sentiment analysis on restaurant reviews. This solves the problem of having to scan multiple restaurant reviews to determine the overall impression of the food there. The Chrome extension is for ease of use, and it may be discarded if it does not seem entirely needed/if I run out of time. This relates to the class on the topics of content analysis, feature analysis, extracting/comprehending context from text, etc. The topic falls under the Free theme, since it relates to the class in different ways than the given themes.
3. Briefly describe any datasets, algorithms or techniques you plan to use
   1. I plan to use algorithms such as Naïve Bayes for sentiment analysis to classify if a review is overall positive or negative. I will use datasets from Kaggle or Stanford Sentiment Treebank to test against. I will also find a way to analyze only the text of a restaurant’s reviews on a webpage- I will have to look into something uniform, like Yelp reviews, rather than all possible restaurant review websites
4. How will you demonstrate that your approach will work as expected?
   1. I will run my algorithm against test sentiment analysis datasets and verify the accurate scores from my algorithm compared to the dataset scores, for classifying sentiment.
5. Which programming language do you plan to use?
   1. Python for the algorithm, Javascript if working on Chrome extension as well, and may need some other tool to help scrape Yelp reviews
6. Please justify that the workload of your topic is at least 20\*N hours, N being the total number of students in your team. You may list the main tasks to be completed, and the estimated time cost for each task.
   1. Building the algorithm for restaurant reviews in particular will be a bulk of the project, and I estimate at least 10 hours to complete this. This will also include scraping Yelp reviews before performing sentiment analysis. I aim to have this done by Nov 14.
   2. Testing, debugging, and fine tuning the algorithm will take at least 5 hours, but probably longer. I aim to have this done by Nov 30.
   3. If I have solved these problems and have time to spare, I will build this into a Chrome extension to run on restaurant review websites. This will take at least 5 hours.