Lab 2: Gantt Charts

Teams: Form groups (preferably one per table)

Task: Given the example project below, create a visual of the timeline using a Gantt Chart
You will need to estimate the duration of each task, and predict any dependencies.

Example Project (11 Tasks): Mine Twitter to analyze sentiment trends on tech products

- Research
  1. The team has identified 10 journal articles to read(6 on sentiment analysis, 4 on predicting trends). 3 hours per article
  2. Use TechCrunch to manage list of latest technology products
- Data Collection/Management
  3. Set up a Database using MongoDB
  4. Use product name as keyword in the Streaming/Search API's to curate tweets in MongoDB
  5. Catalogue tweets about products by type
- Tweet Analysis
  6. Write algorithm to filter out Junk Tweets
  7. Collect relevant tweets and Label sentiment on 25,000 tweets for use in Sentiment Analysis algorithm
- Create algorithm for sentiment analysis on products
  8. Use data from (7) to create a Machine Learning model to classify positive/negative sentiment
- Create Web Site which uses interactive visualizations to highlight top trends
  9. Create a Website that highlights most talked about products
  10. Enable search to view the sentiment analysis of a specific product
  11. Use D3 Visualizations to create interactive visualizations to enhance user experience

Gantt Chart: Timeline for a Team of 6 where:
(2 specialize in Databases, 1 specializes in D3.js, 1 specializing in Machine Learning, 2 general Computer Science undergraduates)

Note: You are welcome to use any software you would like to create the Gantt Chart.
Example: https://teamgantt.com - used by Twitter/Sony and other major firms.
(Watch video on site for a quick review on Gantt Charts)

Deliverables & Grading:
Discussion: When complete, call me over to go over the Gantt Chart
Email a pdf (screenshot or equivalent) of the Gantt Chart:
To: obari@ku.edu
Subject: Gantt Chart
Include names of all team members in the e-mail