**Project Proposal (1 page)**

The proposal needs the following information.

1. **Project Title** / **The name of team members.**
   1. “What U.S. colleges offers the best student living (dorms)?”
   2. Gene Barnes
2. **Business question(s)**. The question(s) you're trying to answer through data analytics must have business value and a targeted client or a group of clients (e.g., your current employer). Business questions or research questions (or propositions), the value of business (or research) questions. I would say "more relevant questions are better for your project". Your questions should be relevant and interesting.
   1. What are the top 50 colleges?
   2. Where does K-State rank?
   3. Where does the city in which the colleges reside rank?
   4. Do these rankings affect college enrollment?
3. **The source of dataset(s)**: You have a limited time to complete this project. This means you should choose the data source, which is easily accessible through web crawling and/or API.
   1. Niche(.com) is an analytical website that ranks various things like best dorms, colleges, places to live, etc.
4. **The technique(s) of data collection** to be used (e.g., web crawling, twitter API, multiple methods): Data collection using web crawling and/or API is required for this project.
   1. Web crawling/scraping.
   2. News articles/reviews.
5. **The types of data analysis techniques to be used**. The project should utilize different analytical techniques learned throughout this semester/session.
   1. Descriptive Text Analysis (word frequency/word cloud).
   2. Content Analysis (sentiment analysis).
   3. Network Analytics (network visualization and/or metrics).
6. **Storytelling.** Expected benefits & Potential Clients
   1. Benefits – for the potential college student, this may be a determining factor of where the student will apply for or attend college.
   2. Potential clients – high school seniors (or other upper-classmen) that are considering college after graduation.