Instructions for project proposal

Deliverable #1: September 26th 11.59pm. You will present me with a proposal for your project. This should give as much detail as possible your ideas, so that I can give you feedback. Please follow the below outline.

Team
- Include the names of all team members.
- If you like (encouraged from my side), please give your team a fancy name for me to remember!

Business Problem
- Discuss what is the exact business problem
- Discuss how tackling that business problem with data science would add business value
- Discuss the typical use scenario

Modeling Ideas
- What precisely is the data science problem? (e.g., classification vs regression)
- Is the data science task a supervised or unsupervised task?
  - Supervised tasks are highly encouraged.
  - Unsupervised learning can be used to explore the data before employing supervised learning.
- What is a data instance in your data set?
- What might be the target variable?
- What features would be useful in predicting the target variable?

Data Details
- Give a short description of the data you are planning to use.
- How have you obtained the data? What is the source of the data?
- Please provide as much as you can from the following information:
  - Load the data into RapidMiner/Python
  - Number of examples?
  - Number and types of variables?
  - If you are planning on a classification problem – what is the ratio of the most prevalent class?
  - If you are planning on a regression problem – what is the distribution of the target variable?

Please limit the proposal to a **maximum** of 2 pages. Be precise but concise.