Assignment Part 0:

First read the assignment background & overview. Then, consider the following scenarios, and briefly describe any problem(s) you think could arise (~1 paragraph or a few bullet points).

1. Your friend works in the admissions office of a nearby university. They mention that there's a proposal to build an ML model to help filter applications, using features like the applicant's extracurricular activities and test scores. They're planning to train the model on data from past students at the school. To label this data, they propose using these past students' college GPA — if the GPA is above 2.75, the label will be positive (i.e., should be admitted) and if not, the label will be negative (i.e., should not be admitted).

2. The company you work for is prototyping a model to sift resumes and recommend which applicants to follow up with for interviews. Over a period of a few months, they pull out the text from all the applications that come in, and have employees across the company annotate whether they are qualified candidates. Now, they want to use this as the dataset to train a model to predict whether a new candidate is qualified (and if so, extend an interview).

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