

## Project 2 Questions

- a. When someone is submitting a rental on Airbnb they must first submit their policy number and have it parsed by our program, if it is invalid then they are denied from finishing their submission. One argument against this may be that any complication on the city planner's side could easily hurt someone from making a submission, as any small error on the city planner's side with getting the policy number wrong could mean less business for Airbnb. Another argument is that this policy number may be hard to come by and could cause frustration on the user's end, who is trying to submit their rental.
- b. Using this data you could help limit dangerous gas leaks by alerting local firefighters of houses that regularly blow fuses and have heating system breakdowns. Gas leaks are very dangerous, not only to the house, but causing insecurity to the property around them. This data could be a big help in preventing such gas leaks.
- c. A reason why web scraping could be a security risk is that robots and machines can be set up by malicious companies or groups looking to exploit personal data that they should not have access to. We should be careful of what we scrape and what we are allowed to look for since people's personal data is also stored on the web. On that note, websites should be careful to hide their user's data as well.
- d. The first guideline is to only scrape on websites where people know that they are uploading information that will be accessible by everyone. If it is known that their data may be viewed, it isn't bad to mass-collect and analyze it. Second, scraping should not be done for malicious purposes, only to collect and analyze data that could lead to information that benefits the people involved.