Constraints

The hardware required to run the solution is a potential cost restraint. Machine learning can be intensive to run, and may require more expensive hardware like an expensive GPU. For the purposes of a prototype this should not be an issue but for real world applications this may be a constraint.

Establishing the limitations of what our application will be able to achieve is a difficult boundary to set out the gate. When using an expansive library such as PyTorch, it can be easy to overestimate the feature set we want to include. Instead, we need to ensure the feature set is reasonable to achieve within the timeframe of this project.

Another constraint is our underlying framework and dependencies. Since our application is wrapping the PyTorch library, we are tying ourselves to using python for a large part of our application. Anyone who uses the application will also need to separately install the correct version of Python. Additionally, our application is dependent on PyTorch being maintained and remaining compatible with our software.