Object Oriented Analysis and Design Project: Part 2

- Name: Yoshinari Fujinuma
- Github link: `https://github.com/akkikiki/csci5448_project`
- Title: ML Debugger
- Project Summary: A CUI tool that could visualize the shape of an objective function of a given machine learning model (e.g., neural networks). The main objective of this tool is to let users debug while training a model.

1 Project Requirements

ID	Requirement
1	Plot and visualization of ML models
2	Allow to be used by multiple users
3	Model parameters should be easily tweakable
4	A user cannot load another user's model
5	A user can tweak the parameter of a trained model
6	A user can delete a model
7	A user cannot delete data
8	A user can confirm whether a model's status (finished tranining or not)
9	An admin can delete a user
10	An admin can delete a model
11	An admin can delete data

Table 1: Project Requirements

2 UI Mockups

Menu/user interaction

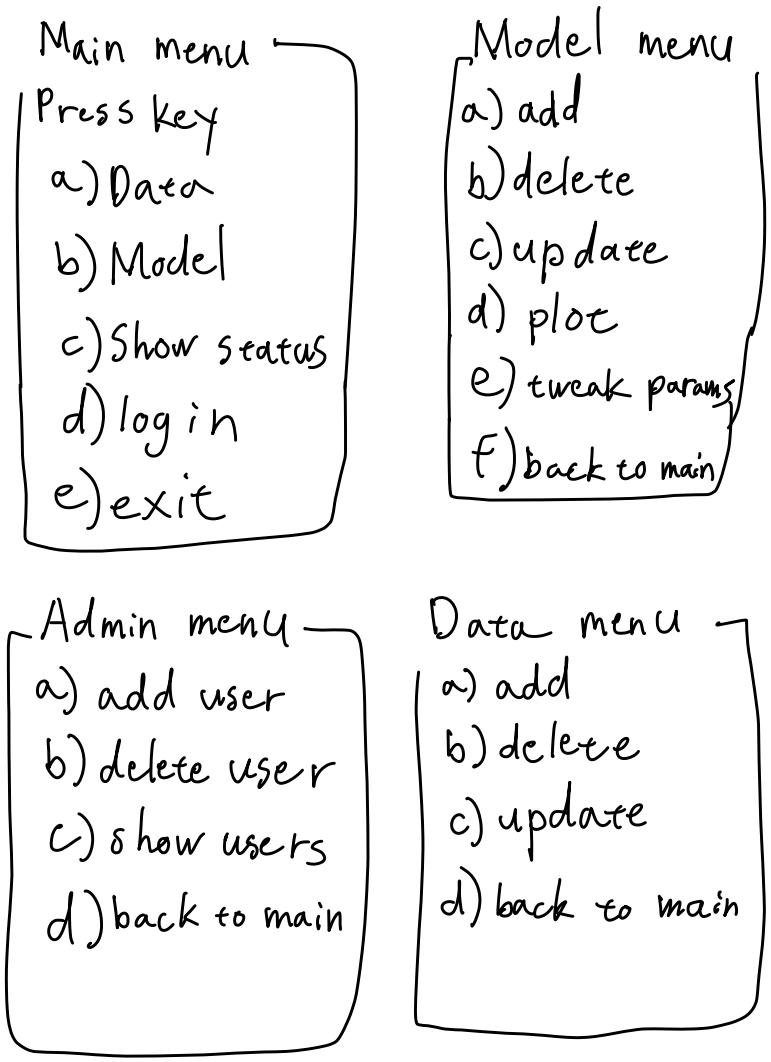

Figure 1: UI Mockup

3 Class Diagram

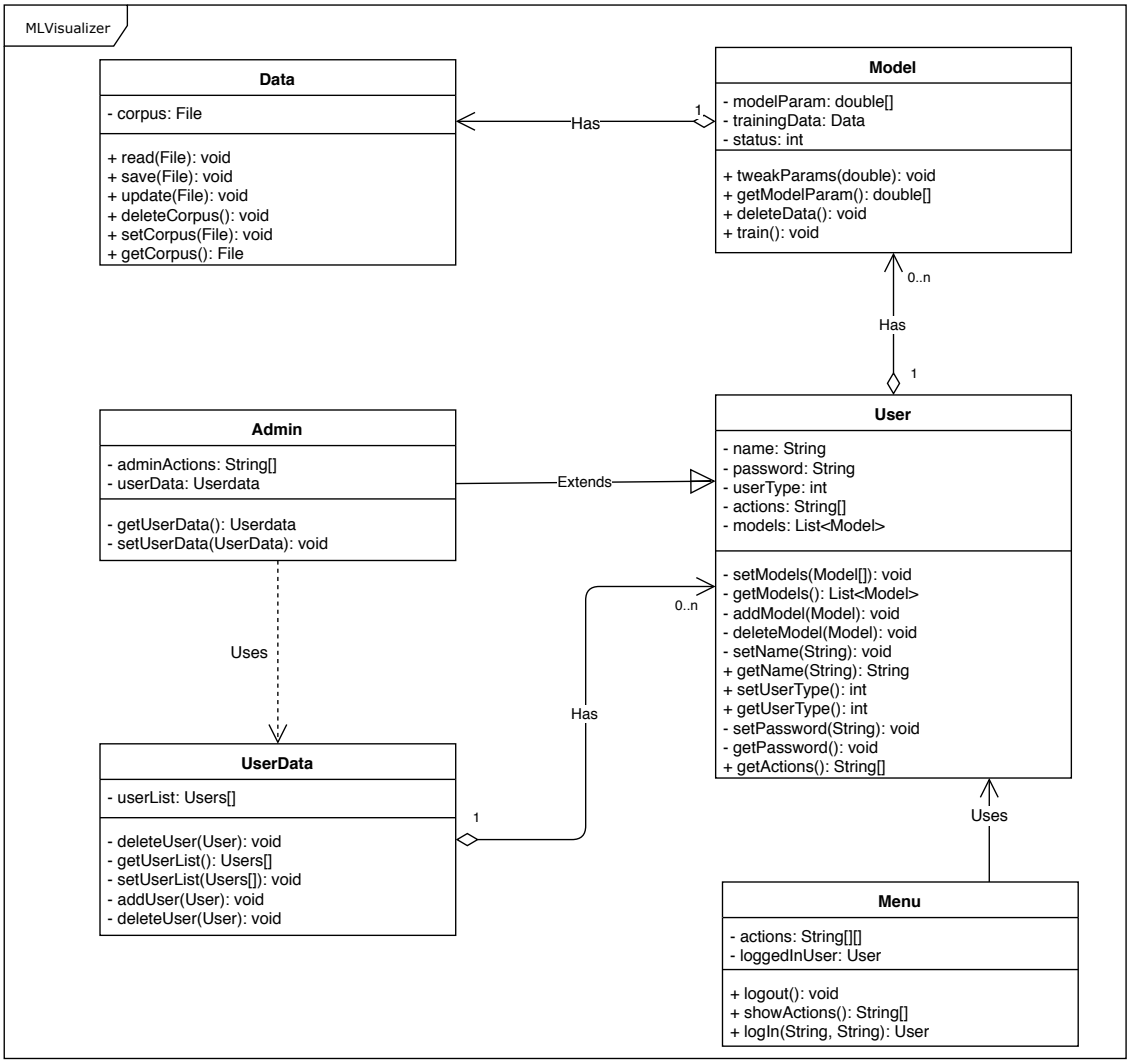

Figure 2: Class diagram