Object Oriented Analysis and Design Project: Part 1

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- Github link: `https://github.com/akkikiki/csci5448_project`

- Title: Visualizing Objective Function

- Description: A GUI 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.

- Actors: Users, Admin

Functionality:

1. Draw the current objective function on a 3D plot

2. Users look into the model (n-dimentional tensors)

3. Users terminate the learning

4. Users resume the learning

5. Users can visualize the objective funcation of the previously trained model

6. Users look into how the learning of the model is performed

7. Users can save the trained models

8. Users can load the trained models

9. Only an admin can delete the trained models