

Team name: Not Monday

Members:

Nicholas Auer, Kyle Murphy, Chandler de Spirlet, Owen Loeb, Milan Formanek, Josh Meyer

Description: Neural Net MEME Generator:

Our project goal is to create a website where users can generate unique, procedurally generated memes through a simple one-button interface. The website should be backed by a neural network which is fed training data of human-made memes or meme components and combine its outputs into memes that can amuse our users.

Vision statement: To be the best, coolest, most successful team in the history of teams. Including, but not limited to, the Green Berets, the Avengers, the New England Patriots, the A Team, Navy Seal Team 6, and the Red Sox. Not Monday strives to provide free high quality memes to the world!

Motivation:

As of now auto-generated memes suffer from poor quality and we would like to change that!

Risks:

1. Training a neural network to do this might prove more challenging than anticipated.
2. Generated memes might not be funny.
3. Hooking up the neural network to our website might be challenging

Risk Mitigation Plan:

If we encounter difficulties implementing the neural net, we can scale back the project to use a different technology to smart match the memes. In the case of the generated memes not being funny enough, we can pivot to generating a different type of images.

Version Control:

<https://github.com/NickReu/SoftwareDevMeetingNotes>

<https://github.com/NickReu/SoftwareDevMilestones>

<https://github.com/NickReu/SoftwareDevProject>

Our TA and Alan have been added as contributors.

Development Method:

Iterative - based on a cyclic design process. Based on our test results each week we will iterate refining our design until we reach the final product. After the initial design cycle, the product will be tested, problems will be identified and then fixed. This process will repeat every week until we have a fully functioning product.

Collaboration Tool: GroupMe - group chat application

Proposed Architecture: Server (on Heroku) generates memes from a database (PostgreSQL) of building blocks, then serves the completed memes to users through an interactive website (through a NodeJS middle layer). Administrators have an authenticated interface to add or remove meme building blocks and tweak meme generation settings.