

## Intro to Artificial Intelligence Final Project Instructions

### December 2023

The final project is 50% of your grade and offers a chance to display your newly acquired skills. This exercise also prepares you to continue your lifetime AI learning as you join the AI community.

Credit for the final project is broken down as follows:

1. Teamwork questionnaire (5%). Full credit for submission.
2. Project demo (15%). Do a 5- to 7-minute demo before the class.
3. Deliver GitHub code or a huggingface space (20%)
4. Project writeup (10%)
5. Team Contribution

### Procedure

1. Pick groups of 3 students.
2. Teamwork questionnaire. Have a team discussion and submit answers to the question here: <https://he-product-images.s3.amazonaws.com/docs/Team-Contract-Example-Nirmani-Wijenayake.pdf>
3. Pick a task from <https://huggingface.co/tasks>
4. build a demo using a task. Write python code to run a demo. You can use your own data or data from huggingface.
5. Pick select a model in the python code instead of using the default model.
6. do a brief final writeup

### Deliverable:

1. Presentation: Show the demo in a 5-7 minute presentation before the class.
2. Show your project in either
  - a. huggingface spaces, or
  - b. show python code in a GitHub public repository or a private repository that grants view access to mikem20. You can save a notebook file in github.
3. Submit a report in paper form

Written Report – very brief should have the following:

1. Title of your project
2. Team Members – list names of members
3. Location of project (name of huggingface space or GitHub repository) write down a link
4. Hugging face model name (select model in the python code. Do not use default model)
5. Dataset: describe the dataset in at least one sentence
6. Conclusion: write what you have learned.
7. Team Contribution: write down a summary of what each member did for the project (i.e., programming, presentation, GitHub upload). For almost all teams all members will receive the same grade, but for teams with significantly unequal contribution, I will investigate and give different grades to team members. I expect one report per team, but any member may send me email to [mikem@openseatdirect.com](mailto:mikem@openseatdirect.com) if they have any concerns.
8. Please submit report in paper form.