

SWEG 5335 Semester Project

Overview:

Build a functional AI system in a subject area of interest to you. Design and build this system. Present your project to the class.

Deadlines:

Project proposal & description:

~Oct 9 (last class before fall break)

Project due & presentations:

~Nov 26 (Monday of thanksgiving break)

Requirements:

- ✓ Pick an application that interests you, and explore how best to apply learning algorithms to solve it.
- ✓ Teams of 1-3
- ✓ Identify a problem you'd like to solve with AI
- ✓ Design the architecture for your AI system
- ✓ If there is a data component provide a discussion around
 1. what that data is
 2. where you procured it
 3. why you chose this data set
 4. ..
- ✓ Develop your AI system for that specific task.
- ✓ Test the entire system.
- ✓ Deploy the AI system locally and or remotely.
- ✓ Present to the class the purpose your system, the experience of developing the system, and demonstrate the system in

action.

Note – the entire class will have a machine learning final project to work on. You may also do this project around machine learning, although in that case you'll need to do a something different for the semester project.