

From: Samuel Boger, Karthik Reddy Akkala, Jkhari Harris.

To: Ralph Rostock.

Date: February 11, 2026

RE: A project proposal on AI social deduction Game.

Project Proposal:

The following is a proposal to design and develop a game of sorts where a human player must convince 4 AI characters that they themselves are an AI, such that the AIs vote one of their own out instead of the player.

Functionality

By using this game, the player is technically initiating themselves in a “reverse turing test.” This means that they will be subconsciously learning how to detect AI writing by themselves creating writing in the general style of an Artificial intelligence, mainly ChatGPT in this particular case. It also can provide entertainment for the user. It can help people identify Ai writing and methods of conversation. Increasing their identification of what makes writing human and what makes it seem like Ai.

Project Requirements

Requirements are VSCode, OpenAi, Python programming language.

Our minimum functionality will be having the ability to chat with 4 Ai’s and be able to win or lose the game. We would like to incorporate a multiplayer function where the player can specify how many humans are playing the game.

Technical Expertise:

Jkhari: Coded in Java, Python, and C++. Most Familiar was Python and Java.

Sam: Worked with Python, AI modules, Game Design, and uses LLMs often.

Karthik: Worked with python, java and C++ , AI modules, Database Design, LLM’s modules and Data Structure and Algorithms.

Project Lead: Holding with the project management and working through research and documentation.

Scrum Lead: Scheduling meeting times and delegating how much of the project we work on. Setup Discord meetings if we cannot meet in person.

Code Lead: Do check on the software, test cases, making the module not deviating from the game and making sure the AI is compatible and considering ethical norms.

Stakeholder: There are two groups of ideal stakeholders that this project would entice. The

first group are those who are interested in getting better at identifying AI generated writing but do not wish to spend their time staring between human writing and AI writing. The second group are those who wish to gain entertainment value from the game itself.

We are considering communicating with Professor David Henry, Games Club to be part of our stakeholders.

First 4 weeks

Roles	mon	tue	wed	thu	fri
Project Lead	Sam	sam	sam	sam	sam
Document lead	all	all	all	all	all
Scrum Lead	JJ	JJ	JJ	JJ	JJ
Code Lead	Kat	Kat	kat	kat	kat

Meeting schedules for stand-ups and tracking are Mondays, Wednesdays: 1:00 pm to 3:30 pm. We will discuss role changes 3-4 weeks. For the first four weeks Sam represents Project Lead, Jkhari (Scrum Lead), Karthik (Code Lead) and Document Lead is a collaboration of all three of us. Second 4 weeks Project lead is karthik, scrum lead is sam and code lead is Jkhari and for the Third 3-4 weeks Jkhari is the project lead, Karthik is scrum lead and sam is the code lead.