Analyzing an AI agent

Building on the agent-centric model of AI developed by Russell and Norvig, think of a real-world, in-practice application of AI that you're personally interested in.

Describe the agent and its environment in enough detail that a reader can understand it.

Then, analyze the environment within which the agent performs, according to the “properties of task environments” framework of Section 2.3.2:

- fully observable or partially observable?
- single agent or multi-agent (and the relationship among agents, if multi-agent)?
- deterministic or stochastic?
- episodic or sequential?
- static or dynamic?
- discrete or continuous?
- known or unknown?

Then, from the list of agent types in Section 2.4, indicate which of the agent variants is mostly likely involved in its implementation, and argue why you think this is the case. (Russell and Norvig's agents are: simple reflex agents, model-based reflex agents, goal-based agents, utility-based agents, and learning agents.)

For example, one could argue that the original model Roomba vacuum cleaner is a simple reflex agent. (Now you can't pick this for your example.)

Write ~300 words on this, including both your explanation of the AI system and your justification for why it's likely to be whichever agent you select.

Turn in the essay on blackboard

Grading rubric

This assignment will be manually graded according to the following rubric:

Feature	**Value**	**Comment**
Context describes work as requested.	6	0-4 depends on how well it is written
content is properly formatted	1	0 to 3 points based on quality
filetype correct	1	must be PDF
naming correct	1	filename and name contained in doc
text length appropriate	1	within -10% or +20% of spec
Total	10	