Full Brief

This assignment sees you positioned as a team of software consultants and specialists in agent design and development. You are required to develop an agent that is capable of performing tasks for an organisation with domain-specific requirements.

A domain refers to a group of users with similar application and hardware requirements. A domain may be characterised by having a need to find certain files or content, the need to carry out some processing and a requirement to do something with the processed data. The requirements mean that one or more agents will need to work together to carry out these operations.

The tasks that you should consider are:

● Digital Forensics: Finding specific filetypes on a file system, archiving them and sending the results somewhere for analysis.
● Academic Research Online: Finding results on a website based on search terms (e.g., social media or a search engine), extracting the data and sending to an offline location.

You should choose a single task area to focus your development on and your system should be tailored to the requirements of this domain. In all domains you should develop one or more small programs (or agents) to carry out the tasks based on their own goals/desires/intentions.

The agreed success criteria for successful development are:

● The agent can identify and retrieve data.
● The data is processed in some way.
● The processed information is stored/saved/presented.

Your team is expected to prepare and deliver a comprehensive design proposal report, describing how you will meet the requirements, design and implementation of the solution for the organisation.