X00204989 Ron Coveney Initial Project Proposals

Idea 1

StaaS – Storage as a service (StaaS Comparative Analysis)

In an increasingly digital world, the demand for scalable, reliable, and cost-effective solutions has grown significantly. The emergence of Storage as a service (StaaS) providers has made it easier for businesses to store, manage and access their data. I would like to analyse and compare the main providers of StaaS based on various factors including cost, database types and performance.

Artifact creation

I propose to create a MySQL Database and NoSQL Database, provision them to the cloud using at least 2 of the main providers of StaaS,

Using test data, compare the providers using fields such as:

User experience and ease of understanding

Accessibility to data

Security of Data

Performance for small and large data sets

Idea 2

Cloud base Chatbot

In the era of advanced automation and AI Driven technology, the implementation of chatbots has become increasingly prevalent in various industries.

I would propose a project that aims to develop a sophisticated chatbot that not only interacts with users and provides them with valuable information but also seamless integrates with a cloud database to collect and store data for future analysis.

The cloud database will provide a reliable and scalable solution for data storage and retrieval.

My goals would be to:

* Develop a user friendly and efficient chatbot using NLP and AI techniques.
* Create a secure and scalable cloud database for storing user interactions and chatbot collected data.
* Implement data collection mechanisms that are respectful of user privacy.
* Ensure the bot can answer user questions accurately and provide relevant information.
* Develop an accessible and user-friendly interface.