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| Title: MOM (Minutes of Meeting) - File Search Project  Date: May 14, 2023  Participants: Ma Chue Essex AI, Indra Dewaji, Nithya Essex |
| Agenda:   1. Introduction to the project 2. System requirements and libraries 3. Code outline for DataRetrieval and DataProcessing classes 4. Discussion on specific implementation details 5. Research on library and algorithm for file type determination 6. UML diagram selection 7. Dataset selection 8. Task allocation and responsibilities 9. Next steps and action items |
| Meeting Summary:  Introduction:   1. The project aims to develop a file search agent to assist in digital forensics and academic research tasks.   The agent will be capable of retrieving, processing, and transmitting data from various sources based on specified search parameters.   1. System Requirements and Libraries:   Python will be used as the primary programming language for its extensive support in data retrieval, processing, and transmission.  Key libraries discussed include Beautiful Soup for data scraping, Requests for making HTTP requests, and Pandas for data processing.  Code Outline for DataRetrieval and DataProcessing Classes:   1. Ma Chue Essex AI provided a basic code outline for the DataRetrieval and DataProcessing classes.Further modifications and additions will be made to meet the specific project requirements, including error checking and exception handling. 2. Specific Implementation Details: The team discussed the need to incorporate error checking and exception handling in the code.It was agreed to enhance the code to handle edge cases and ensure robustness.   Research on File Type Determination:   1. Indra Dewaji presented a code snippet for determining the file type using the magic library in Python. The code snippet will be integrated into the project to identify the type of files being processed. 2. UML Diagram Selection: The team will discuss and decide on the most suitable UML diagram(s) to represent the system architecture and components. 3. Dataset Selection:   The team will explore and select an appropriate dataset for testing and validation purposes. Consideration will be given to datasets related to digital forensics and academic research. |
| Action Items:   1. Conduct domain-specific research and summarize findings. 2. Analyze the task areas and evaluate pros and cons. 3. Work on system design, including system architecture and behavior definition. 4. All team members: Continue collaboration on the proposal and coordinate for further discussions. 5. Next Meeting: To be scheduled based on progress. |