

1. **Identify the following components of the system:**
- **Input:** The user's request for information.
- **Processing:** The system's search and retrieval algorithms.
- **Output:** The retrieved information presented to the user.
- **Storage:** The database where information is stored.
- **Interface:** The user interface that allows interaction with the system.

2. **Describe the flow of data in the system:**
- **User Input:** The user provides a query or request.
- **Search:** The system searches the database for relevant information.
- **Retrieval:** The system retrieves the requested information.
- **Output:** The retrieved information is presented to the user.

3. **Explain the role of the database in the system:**
- **Storage:** The database stores the information retrieved from the system.
- **Search:** The database is searched for relevant information.
- **Retrieval:** The database provides the retrieved information to the system.

4. **Discuss the importance of data security in the system:**
- **Confidentiality:** Protecting sensitive information from unauthorized access.
- **Integrity:** Ensuring the accuracy and consistency of the data.
- **Availability:** Ensuring the data is accessible when needed.

