Exercise

**Instructions:** Discuss this problem with your team to find the best solution for it, so Remember to show your work. If you need extra space, you can attach another sheet of paper. Answers without work shown will not be graded. Remember: Do your best! Partial answers are better than no answers!

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| **You are responsible for the development of an electronic mail system to be implemented on a local area network. The email system will enable users to create letters to be mailed to another user, all users, or to a specific address list. Letters can be read, copied, stored, and the like. The email system will use existing word processing programs to create letters.**  **1. Using this description as a starting point, derive a set of requirements for this problem.**  **2. Think up several use cases for this example.**  **3. Write up one of the use cases.** |

Final Answer Box: Put your final answer here. Describe or explain it in one complete sentence. (Do not just write a number.).

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| -the requirements for an email system:   * The system should allow users to create and send email messages to other users or groups of users within the local area network. * The email messages should support the use of existing word processing programs, so that users can compose letters using their preferred software. * The system should enable users to select recipients from a list of all users, a specific group of users, or a predefined address list. * The system should allow users to read, copy, and store email messages, as well as delete them when necessary. * The email system should provide a user-friendly interface for composing, sending, and managing email messages. * The system should support email attachments, allowing users to attach files and documents to their messages. * The system should have a search function that enables users to quickly locate and retrieve specific email messages based on certain criteria, such as sender, recipient, subject, or content. * The email system should have a reliable and secure mechanism for transmitting and receiving email messages to protect the privacy and confidentiality of the users' data. * The system should allow for the configuration of email accounts with unique usernames and passwords, and restrict access to authorized users only. * The email system should be scalable, allowing for an increasing number of users and email messages over time.   One of the use cases (Process on massage email).  Include  Include  Include  Include  Include  Include  Include  Other user  User |