# Exercise #1

Use Cases:

* Send and Email
  + User types up an email, and sends it to another User, communicating with the server to do so.
* Check a Virus
  + Upon the receiving of an email, the Virus Checker checks the email and its attachments for Virus’.
* Block a Virus
  + Upon getting a positive detection of a Virus, the System blocks the Virus and its related files.
* Create an Email
  + User creates a new email with account credentials.

# Exercise #3

Scenario Description:

* Server receives an email from another User (Sender) for the User in question (Recipient)
* Server starts the move to display the Email on the Recipient’s Inbox
* Server triggers Virus Checker
  + Virus Checker checks for Viruses
  + If one is found:
    - Virus Checker notifies Server
    - Server blocks content from reaching Recipient
    - Server Proceeds to add Sender to a watchlist
    - Server Notifies Recipient
    - ALL Scenario Ends
  + If one isn’t found:
    - Virus Checker notifies Server
    - Virus Checker Ends
* Server completes the move of the Email into the Recipient’s Inbox
* Recipient logs-in to Inbox
* Recipient Reads Email