

Software Design Specification for MailJar

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The MailJar application will have four different windows in which the user can navigate through. These four windows will be:

Log-in Window

The log-in window will appear as soon as the user opens the MailJar application. The user will need to enter their e-mail address, choose their host and enter their password. The user can either click the submit button or hit enter from either the username or password field. If an error occurs during the log-in, an error message will be displayed in red to let the user know what went wrong.

Mailbox Window

Once the user is successfully logged in, the mailbox window will appear and display the messages in their default folder. Each line will display the senders e-mail address, the subject of the e-mail and the date it was sent. All unread messages will be emphasized through a bold font. The message window will have tabs along the top with the different folder names associated with that e-mail account. The user can view their messages in different folders by clicking the tabs. The user can view the whole message by double clicking on the message line. The mailbox window will feature a refresh button so that the user can check if any new messages have come in. The mailbox window will also feature a compose button so the user can compose a new message. If the user has finished looking through their messages and wishes to close the mailbox window and log out of their account, there will be a menu bar in the top left corner with the option file -> exit.

Message Window

Once the user double clicks on a certain message, a separate window will appear in the foreground while their mailbox window remains in the background. The message window will display the message for them. The window will also contain a reply button. Once the user has finished viewing the message, they can close the message window and their mailbox window will remain open in the foreground. If the user decides to reply to the message, once their message is sent off, the message window will close and their mailbox window will remain open in the foreground.

Compose Mail Window

Once the user double clicks on the compose button in the mailbox window, a new window will appear in the foreground while the mailbox window remains in the background. This window will have fields at the top for the user to enter the receiving recipients e-mail address as well as the e-mail subject line. Below those fields will be an HTML editor box where the user can type out their message and format certain features to their liking. The window will contain a send button, which the user will click to send off the e-mail. Once the e-mail has been sent, the compose mail window will close and their mailbox window will remain open in the foreground.