**Overall**

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| **ID** | **Requirement** |
| 1 | Any email address that goes through the system should be saved to a history file found in the system’s saves |

**Introduction Screen**

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| **ID** | **Requirement** |
| 1 | Should be the first screen to appear when the software is first run |
| 2 | Should be the basis of every other screen, having a sidebar and an empty area which will contain every other screen |

**Login Screen**

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| **ID** | **Requirement** |
| 1 | Displays a list of email providers which when clicked should display a pop up from that provider to login with the corresponding email account |
| 2 | Display an option which when clicked should display a default login pop-up:   1. Contains an input box (with a correct label) to enter an email address 2. Contains an input box (with a correct label) to enter a password 3. Contains a login button which successfully logs the email into the system if the email address and password combination 4. Contains a cancel button which will just close the pop-up box without attempting a login |
| 3 | If a login is successful, the pop-up will close, and the account is added at the bottom of the list of accounts which is then automatically selected |
| 4 | For every logged in account, there should be a directory represented by a saved id (which is +1 the highest current user id starting from 0) in the system’s saves which will store the saves for the user including a file with the user’s login details |

**Create/Edit Email Screen**

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| **ID** | **Requirement** |
| 1 | Contains a recipients input box where the intended recipients are entered, each address separated by comma |
| 2 | Contains a carbon copies input box where the intended carbon copy addresses are entered, each address separated by comma |
| 3 | Contains a blind carbon copies input box where the intended carbon copy addresses are entered, each address separated by comma |
| 4 | For the recipients, carbon copies or blind carbon copies input boxes, if they contain text, it will show a list of possible emails the user could be typing by finding any emails in the saved history that start with (but not fully match as this means there is no need to show this in the list) the current typed text. These emails in the list can be clicked which will convert the text in the corresponding input box into the text of the email address. This list will hide if not on focus on the input box and will display when on focus on the box |
| 5 | Contains a subject input box where the subject is intended to be entered |
| 6 | Contains a contents box:   1. Contains space to input the intended content text 2. Contains toolbar at the bottom:    1. Contains font style drop box which contains a list of fonts and when a font is selected, the highlighted text is changed to the selected font style    2. Contains font size drop box which contains a list of font sizes and when a font is selected, the highlighted text is changed to the selected font size    3. Contains a bold button which when clicked, if the highlighted text contains non-bolded text, will bold the entire highlighted text, otherwise will un-bold the entire highlighted text    4. Contains an italic button which when clicked, if the highlighted text contains non-italic text, will italic the entire highlighted text, otherwise will un-italic the entire highlighted text    5. Contains a strikethrough button which when clicked, if the highlighted text contains non-strikethrough text, will strikethrough the entire highlighted text, otherwise will un-strikethrough the entire highlighted text    6. Contains a subscript button which when clicked, if the highlighted text contains non-subscripted text, will subscript the entire highlighted text, otherwise will un-subscript the entire highlighted text    7. Contains a superscript button which when clicked, if the highlighted text contains non-superscripted text, will superscript the entire highlighted text, otherwise will un-superscript the entire highlighted text    8. Contains an underline button which when clicked, if the highlighted text contains non-underlined text, will underline the entire highlighted text, otherwise will un-underline the entire highlighted text    9. Contains a bullet point drop box which contains a list of types of bullet points and when a bullet point is selected, if the current line is not bullet pointed or doesn’t use the same bullet, it becomes bullet pointed and a new lines from this line become bullet pointed, however if the current line does use the same bullet point, it removes the bullet point from the line and does not bullet point new lines from this line    10. Contains a numbering drop box which contains a list of types of numbering and when a type of numbering is selected, if the current line is not numbered or doesn’t use the same numbering, it becomes numbered and a new lines from this line become numbered, however if the current line does use the same numbering, it removes the numbering from the line and does not number new lines from this line |
| 7 | Contains an attachment box:   1. Contains a select attachment button which will open a file explorer pop-up when you can select multiple files to be added to the file list if not already 2. Contains a list of selected file boxes where each file box contains a hyperlink of the attachment which has the text of the filename taking you to the location of the file on the file system, as well as a delete button to remove the given file from the selected attachments, also removing the file box from the list |
| 8 | Contains a tag box:   1. Contains an input box intended to input a tag name 2. Contains an add tag button which if the tag name is acceptable, will add to the list of tags using the given tag name 3. Contains an add list tag button which if the tag name is acceptable, will add to the list of tags using the given tag name as well as an identifier to show this is a list tag 4. Contains a list of added tags, each with an insert button and delete button along with a bullet point drop box for the list tags 5. Insert tag button will insert the given text “<!tagName!>” into the contents text, intended to be a template slot for a string value entered in the tag screen 6. Insert list tag button will insert the given text “<!tagName(List)!>” into the contents text, intended to be a template slot for a bullet point list of values entered in the tag screen 7. Bullet point drop box for each tag list will use the selected bullet point / numbering when replacing the template slots for that given tag list 8. Delete tag button will delete the tag and any already inserted tag slots in the contents will be ignored when replacing them in the tag screen |
| 9 | Contains a send button which, if there is at least one tag in the tag list that has an insert tag slot in the contents text area, goes to the tag screen when clicked. If there is no tags, it will instead send the email with the selected account being the sender. The email will has the given entered recipients, carbon copies, blind carbon copies, subject, contents, \& selected attachments, and if it’s a draft email, the email will be removed from the draft inbox |
| 10 | Draft button will put the email in the selected account’s draft inbox with the given entered recipients, carbon copies, blind carbon copies, subject, contents, and selected attachments |

**Sidebar**

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| **ID** | **Requirement** |
| 1 | Should contain an account menu (top half of sidebar) that:   1. Has a title at the top of the menu 2. Contains a list of account buttons for every logged in account as well as a login button which takes you to the login screen 3. Account button displays the nickname of the email account and the email address of the email account 4. Left clicking an account button well set it as the current selected account for the selected options, first option being set as the account’s default inbox screen 5. Right clicking an account button will open a context menu containing:    1. Change Nickname option which when clicked, turns the nickname in the sidebar into an input box which you can change the name until you click off or hit enter. Hitting esc will cancel the nickname change    2. Logout option which when clicked, logouts the right clicked account (if currently on that selected account, the current screen goes to the introduction screen) |
| 2 | Should contain an options menu (bottom half of sidebar) that   * 1. Contains an option to go the create screen, default inbox screen, drafts inbox screen, drafts inbox screen, sent inbox screen, spam inbox screen and bin inbox screen   2. Cannot selected an option when an account has not been selected |