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| --- | --- |
| User | |
| Model class to store username | EmailAddress |
| Store 2 queues of email addresses for local and remote branches |  |

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| --- | --- |
| EmailAddress | |
| Model class to store the server domain | Email |
| Store 3 email queues for inbox, sent and trash |  |

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| Email | |
| Model class to hold the recipient and sender addresses | EmailAddress |
| Stores Subject, Body and a time stamp |  |

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| UserManager | |
| Controller type class to handle the registered Users | User |
| Implements C.R.U.D operations (Create, Read, Update, Delete) |  |

|  |  |
| --- | --- |
| EmailManager | |
| Controller type class to handle the email flow in the system | Email |
| Implements operations on emails ( CreateEmail, SendEmail, RemoveEmail) |  |

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| --- | --- |
| ValidateServices | |
| Static class to provide various validation functionalities – no duplicate accounts, etc. |  |

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| GUIManager | |
| View type class to handle the GUI, and link it with the User manager and email manager. |  |