Email Parser

* Initial Email comes to Mailbox

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| **From:** Sender <Sender@Domain.com>  **Sent:** Tuesday, April 3, 2018 5:54 PM **To:** Receiver <Receiver@Domain.com> **Subject:** Email Parser - Initial  This is a Test 1 |

Email Parser would do following

* + As soon as new email comes to the mailbox, email parser will capture such email
  + It will identify the sender Name and Email , Receiver name and email, Subject, see if there are any attachments and parse the entire body of the email.
  + Then it will insert all these details to a database

DB\_Table

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Row ID | From | To | Subject | Attachment | Body ID | Body Text | Sent Time | Received Time |
| 132 | Sender | Receiver | Email Parser – Initial | None | 1 | This is a Test 1 | 04/03/2018 17:54 | 04/03/2018 17:55 |

* **Reply Email comes to Mailbox**

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| **From:** Sender <Sender@Domain.com> **Sent:** Tuesday, April 3, 2018 6:25 PM **To:** Receiver <Receiver@Domain.com> **Subject:** RE: Email Parser - Initial  This is a Reply 1  Thanks,  Sender  +1-214-023-1381  **From:** Sender <Sender@Domain.com>  **Sent:** Tuesday, April 3, 2018 5:54 PM **To:** Receiver <Receiver@Domain.com> **Subject:** Email Parser - Initial  This is a Test 1 |

Email Parser would do following

* + As soon as new email comes to the mailbox, email parser will capture such email
  + It will identify the sender Name and Email, Receiver name and email, Subject, see if there are any attachments and parse the entire body of the email.
  + Then it will insert all these details to a database

DB\_Table

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Row ID | Email ID | From | To | Subject | Attachment | Body ID | Body Text | Sent Time | Received Time |
| 132 | 27 | Sender | Receiver | RE: Email Parser – Initial | None | 1 | This is a Reply 1  Thanks,  Sender  +1-214-023-1381 | 04/03/2018 18:25 | 04/03/2018 18:25 |
| 133 | Sender | Receiver | Email Parser – Initial | None | 1 | 2 | This is a Test 1 | 04/03/2018 17:54 | 04/03/2018 17:55 |

Please note how there are 2 entries in the DB for the second email. One for the original Email Body and another for the Reply Body.