**Notification system - User stories**

Functional requirements

1. Implementation of Email service with valid inputs

* As a user/system, I should be able to send the email notification by providing the “from” and “to” email address fields.
* If the more than one request send then the order of the request should be maintained.

2. Implementation of Email service with invalid inputs

* As a user/system, my email notifications should not be send to the email addresses when the “to”/ “from”/”cc” fields are invalid.

3. Implementation of Slack message service with valid inputs.

* As a user/system, I should be able to send the slack message notification by providing the “from” and “to” email address fields.
* If the more than one request send then the order of the request should be maintained.

4. Implementation of Slack message service with invalid inputs

* As a user/system, my slack message notifications should not be send to the email addresses when the “to”/ “from”/”cc” fields are invalid.

Future Backlog/RoadMap

Functional requirement

1. Include attachment in the email notification

* As a user/system, I should be able to send the attachments(in any format) in the email notifications.

2. Include attachment in the slack message notification

* As a user/system, I should be able to send the attachments(in any format) in the slack message notifications.

3. Enhance the NotificationService by supporting some other notification type

* As a user/system, I should be able to send the notification like SMS/MMS etc.

4. Provide acknowledgement/status code to user/external system.

* As a user/system, I should be able to know the status of my email/slack notification request. Notification Service should send the appropriate message to the user.

5. Intimate the user about the service unavailability

* As a user/system, I should be able to know the service availability when I send the notification request.

Non Functional Requirements

1. Provide authentication for the notification system.

* As a user/external system, I should be able to connect with the notification system only with appropriate client id. Each client should get unique client id while purchasing the product. This will enable the security of the notification system.

2. Increase the Notification system availability

* As a user/external system, I should be able to increase/install on multiple nodes if the number of users are increasing.