**Functional Requirements**

**Process Login**

* Valid email pattern for login
* Email is registered
* Can enter maximum number of 10 characters for email
* Password does not appear when typing in input field
* Maximum length of password is 8
* Both email and password are required
* User go to chat page after successful login

**Process Signup**

* Only characters are allowed in name field.
* Maximum numbers of character you can enter in name field are 15
* Email address follows valid email pattern email can only have number and characters
* Maximum length of password is 8
* On successful signup there is a confirmation message

**Process Chat**

* All the registered users are displayed when login
* Notification for every new message received
* After the chat page is reloaded it stays on the same page
* When the user go to pervious or sign in page the user is logged out automatically
* When a user is selected for chat, messages of that user are loaded in chat box
* Cannot click on send button until some message is typed
* Name of selected user is appears at the top of chat box
* Logout button at the bottom of page

**Process Navigation**

* Navigation through url is prohibited
* Navigation through links/buttons
* Navigate to chat page on login
* Navigate to signup form on Register now link

**Validations and Conditions**

* Invalid email pattern entered  
  error message-‘Invalid email pattern’
* More then 10 characters entered in email field  
  error message-‘maximum number of 10 character are allowed’
* Email field left empty   
  error message-‘Email field is required’
* On sign in button click, if email is not registered error message displayed  
  error message-‘Email is not registered’
* On sign in button click, if password is wrong error message is displayed   
  error message-‘Wrong Password’
* All the error messages displayed against their respective input filed
* Number or special characters entered in name field, error message is displayed   
  error message-‘only characters are allowed’
* More than 15 character entered in the name field, error message is displayed   
  error message-‘Name cannot be grater than 15 characters’
* Special characters entered in email field, error message displayed   
  error message-‘Only numbers and characters are allowed ’
* Entered empty input field entered, error message displayed on when click on sign up button  
  error message-‘User must entered all the data’
* Confirmation not displayed on sign up   
  error message-‘Something went wrong’
* Unable to load messages  
  error message-‘Cannot get messages from user’
* Unable to send message with the person we are chatting  
  error message-‘Message not sent’