Chata App Test Plan

## Introduction

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## Login Page

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test Valid Login** | Successful Path | Enter a valid login name and password into the fields and submit the form. | The login is successful and you are redirected to the chat page. | I am redirected to the chat page. |

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test Invalid Login** | Correct validation but invalid login credentials | Enter an invalid but correctly formatted login name and password into the fields and submit the form. | An error is returned stating that the username or password is incorrect. | I receive an error message saying my username or password is wrong. |

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test Wrongly Formatted Email** | Incorrectly formatted email on the login page. | Enter an invalid and incorrectly formatted email into the email field and submit the form. EG test | An error is returned prompting the user that the email is not a valid email address. | I receive the message ‘This is not a valid email.’ |

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test Register Link** | Connectivity between login and register page. | Click the register link on the login page. | The register page opens. | The register page opens |

## Register Page

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test Wrongly Formatted Email** | Incorrectly formatted email on the register page. | Enter an invalid and incorrectly formatted email into the email field and submit the form. EG test | An error is returned prompting the user that the email is not a valid email address. | I receive the message ‘This is not a valid email.’ |

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test non-matching passwords** | Passwords do not match | Enter two different strings into each of the password fields and submit the form | User is informed that the passwords do not match | I receive the message ‘Passwords must match.’ |

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test uploading profile picture** | Test image preview and upload | Select an image using the upload file button and submit the form | The image is previewed in the window and on submit the image is added to the user profile. | I can see the image I selected in the form and it becomes my profile picture. |

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test Login Link** | Connectivity between register and login page. | Click the login link on the register page. | The login page opens. | The login page opens |

## Profile Page

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test uploading profile picture** | Test image preview and upload | Select an image using the upload file button and submit the form | The image is previewed in the window and on submit the image is added to the user profile. | I can see the image I selected in the form and it becomes my profile picture. |

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test Changing Email Success** | Changing Email | Submit the form with an altered email address | The email address is updated on the user profile and in the database | I can see a ‘Done! Email change succeeded’ message |

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test Changing Password Success** | Changing Password | Submit the form with an altered password value | The password is updated on the database and the hashed value on the page is the same character length as the new password | I see a ‘Done! Password changed successfully’ message and the panel closes. |

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test Wrongly Formatted Email** | Incorrectly formatted email on the profile page. | Enter an invalid and incorrectly formatted email into the email field and submit the form. EG test | An error is returned prompting the user that the email is not a valid email address. | I see a ‘This is not a valid email’ message |

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test non-matching passwords** | Passwords do not match | Enter two different strings into each of the password fields and submit the form | User is informed that the passwords do not match | I see a ‘Passwords must match’ message |

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test Invalid Old Password Value** | Password change invalid old password | Enter an invalid old password and valid new passwords | An error is returned stating that the old password is incorrect. | This field is not present in the application. |

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test uploading profile picture** | Test image preview and upload | Select an image using the upload file button and submit the form | The image is previewed in the window and on submit the image is added to the user profile. | I can see the image I selected in the form and it becomes my profile picture. |

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## Chat Page

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test sending message** | Sending chat message | Enter a message into the text box and press the send button | The message appears on the chat with your username, profile picture and timestamp of post | The message appears with the message, username, profile picture. But there is not timestamp. |

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test sending message (without mouse)** | Sending chat message with enter key | Enter a message into the text box and press the enter key | The message appears on the chat with your username, profile picture and timestamp of post | The message appears with the message, username, profile picture. But there is not timestamp. |

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test receiving message** | Receiving chat messages from other users | Log into the application on 2 different accounts, send a message from one account, check the chat on the other account | The message appears on the chat with the other user's name, profile picture and time stamp of the message | The message appears with the message, username, profile picture. But there is not timestamp. |

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test Logout Link** | Test the logout link | Click the logout link | The user is returned to the login screen and is unable to access the chat page again without re-entering credentials | I am taken to the login screen and I cannot get back to the chat page. |

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| **Test Case Name** | **Description** | **Steps** | **Expected Result** | **Actual Result** |
| **Test Profile Link** | Connectivity between chat and profile page. | Click the profile link on the chat page. | The profile page opens showing information on the user's account. | I can access the profile page. |