

In this document you'll find the test suites and test cases written for the following functional requirements.

[F1 Registration \(https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-registration-f1\)](https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-registration-f1)

[F2 Login \(https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-user-login-f2\)](https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-user-login-f2)

[F3 User – own data access \(https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-user-information-f3\)](https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-user-information-f3)

[F4 + F46 Add friends \(https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-add-friends-f4\)](https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-add-friends-f4)

[F5 Chat rooms \(https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-chat-rooms-f5\)](https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-chat-rooms-f5)

[F6 Text messages \(https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-text-messages-f6\)](https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-text-messages-f6)

[F7 Chat log \(https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-chat-log-f7\)](https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-chat-log-f7)

[F10 Video call \(https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-video-call-f10\)](https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-video-call-f10)

[F13 Consent mail \(https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-confirmation-and-consent-mail-f13\)](https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-confirmation-and-consent-mail-f13)

[F20 Delete account \(https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-user-account-deletion-f20\)](https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-user-account-deletion-f20)

[F28 User levels \(https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-user-levels-f28\)](https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-user-levels-f28)

[F47 Profile picture \(https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-profile-picture-f47\)](https://github.com/jimmybengtsson/grupp03-redriver/wiki/6.2.1-Functionality#test-suite-profile-picture-f47)

Test suite: Registration (F1)

Scenario

A user is able to register themselves to the app.

Preconditions

The system is online.

In data

Mandatory data					
Username	Email	Password	Confirm password	Firstname	Lastname

johndoe	johndoe@gmail.com NOTE: To be able to receive a confirmation mail, use your own emailaddress.	Password123	Password123	John	Doe
Optional data					
Personal security number		Telephone number	Address	Zipcode	City
600406-5097		0701234567	Skogsgatan 1	11111	Skogaholm

Steps

1. Enter URL to home page in browser address bar.
2. Click on "Registrera" link.
3. A register form is shown.
4. Enter data that is written in the "In data" column.
5. Press "Registrera".

Test ID	Title	Expected
T.1.1	User registers with correct information.	See "Registrering lyckades!". Receive email with consent and a confirmation link.
T.1.2	User registers with username missing.	See "Användarnamn krävs".
T.1.3	User registers with password missing.	See "Lösenord krävs".
T.1.4	User registers with existing username.	See "Användarnamnet är upptaget, välj ett annat användarnamn".
T.1.5	User registers with username and password missing.	See "Användarnamn krävs".

Test suite: User login (F2)

Scenario

A user is able to login to the app.

Preconditions

T.1.1.

In data

Username	Password
johndoe	Password123

Steps

1. Enter URL to home page in browser address bar.
2. Click on "Logga in" link.
3. A login form is shown.
4. Enter data that is written in the "In data" column.
5. Press "Logga in".

Test ID	Title	Expected
T.2.1	User log in with correct information.	See logged in user page.
T.2.2	User log in with username missing.	See "Användarnamn krävs".
T.2.3	User log in with password missing.	See "Lösenord krävs".
T.2.4	User log in with wrong username.	See "Användaren finns inte".
T.2.5	User log in with wrong password.	See "Användarnamn eller lösenord är fel".
T.2.6	User log in with username and password missing.	See "Användarnamn krävs".

Test suite: User information (F3)

Scenario

A user have access to their own personal information.

Preconditions

T.2.1.

Steps

1. Click on menu.
2. Menu is shown.
3. Click on "Användaruppgifter".
4. A form with the user information is shown.

Test ID	Title	Expected
T.3.1	User browse its own information.	See user information.

Test suite: Add friends (F4)

Scenario

A user is able to add friends to a friendslist.

Preconditions

T.2.1.

In data

Friend username
sTestUser1

Steps

1. Click on menu.
2. Menu is shown.
3. Click on "Vänförfrågningar".
4. A list with the users friend requests is shown (if any).
5. Click in text field "Lägg till vän".
6. The text field is activated.
7. Use information from the "In data" column.
8. Press "Skicka vänförfrågan".

Test ID	Title	Expected
T.4.1	User adds friend by username.	See "Vänförfrågan skickad".
T.4.2	User adds nonexistent user as friend by username.	See "Användaren finns inte".
T.4.3	User gets friend request from other user.	See a friends request from other user.
T.4.4	User approves friend request from other user.	See "Vänförfrågan godkänd".
T.4.5	User denies friend request from other user.	See "Vänförfrågan ignorerad".

Test suite: Chat rooms (F5)

Scenario

A user is able to create chat rooms.

Preconditions

T.4.1.

In data

Friend username			
sTestUser1			
Test ID	Title	Steps	Expected
T.5.1	The user can create a chat room.	1. Click on chat room link. 2. The chat room area appears. 3. Click on "+ Starta ny chatt". 4. A popup for creating a chat room appears. 5. Choose friend in dropdown list. 6. Click "Starta chatt".	Chat room created with the chosen friend.
T.5.2	A user can be added to an already existing chat room.	1. Click on an already created chat room. 2. The chat room log appears. 3. Click on "+". 4. A popup for adding a friend to the chat room appears. 5. Choose another friend in dropdown list. 6. Click "Lägg till".	Chosen friend is added to the existing chat room.
T.5.3	The user can leave a chat room.	1. Click on an already created chat room. 2. The chat room log appears. 3. Click on "-". 4. A popup for leaving the chat room appears. 5. Click "Ok".	User is deleted from chat room and can not see the chat room anymore.

Test suite: Text messages (F6)

Scenario

A user is able to send and receive text messages in the chat rooms.

Preconditions

T.5.1. Logged in as sTestUser1.

In data

Text message
Hello from testcase T.6.1.

Steps

1. Click on chat room link.
2. The chat room area appears.
3. Click on an existing chat room.

Test ID	Title	Steps	Expected
T.6.1	The user can send text messages to other users.	4. Enter message in chat text area and press "Skicka".	See the sent message in the text log.
T.6.2	The user can receive text messages from other users.	–	See messages from the other user in the messages area.

Test suite: Chat log (F7)

Scenario

The user can browse their chat logs through the user interface.

Preconditions

T.6.1.

Steps

1. Click on chat room link.
 2. The chat room area appears.
 3. Click on an existing chat room.
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Test ID	Title	Expected
T.7.1	The user can see the chat log.	See the previously sent messages in the chat log.

Test suite: Video call (F10)

Scenario

The user can make a video call to another user and communicate using their camera and microphone device.

Preconditions

T.4.1.

Steps

1. On the logged in user page, click the button "Starta video".
2. A pop-up showing what friends you can make a video call to appears.
3. Click on sTestUser1.

Test ID	Title	Steps	Expected
T.10.1	The user makes a video call to another user.	4. Give permission to use the device camera and microphone. 5. Logged in as sTestUser1 in another browser, answer the video call.	Both users camera feed is shown and they are able to talk and hear each other using their microphones.
T.10.2	The user receives a video call from another user.	1. Logged in as sTestUser1 make video call to johndoe.	As johndoe, a video call request should appear.
T.10.3	The user ignores a video call.	4. Logged in as sTestUser1, ignore the video call.	As sTestUser1, the video call is ended. As johndoe, the video call is ended.
T.10.4	The user mute/unmute their microphone.	Follow steps in T.10.1. 6. As johndoe, click on the microphone icon.	As sTestUser1, no sound from johndoe should be heard.
	The user	Follow steps in T.10.1.	

T.10.5	hide/show their camera feed.	6. As johndoe, click on the camera icon.	As sTestUser1, no camera feed from johndoe should be seen.
T.10.6	The user ends the video call.	Follow steps in T.10.1. 6. As johndoe, click on the red phone icon.	The video call ends for both users.

Test suite: Confirmation and consent mail (F13)

Scenario

When a user has registered they receive a mail with a link. Clicking upon the link allows the user to consent to use the app and confirm their email. A user is unable to use the application if they have not given their consent and confirmed their email.

Preconditions

T.1.1.

In data

Username	Password
johndoe	Password123

Steps

1. Open your mail client for the email you provided in the registration.
2. An email with the topic "Bekräfta din mailadress" should appear.

Test ID	Title	Steps	Expected
T.13.1	The user receives a consent and confirmation email.	–	See an email with the topic "Bekräfta din mailadress".
T.13.2	The user leaves consent and confirms their email.	3. Open the email. 4. Read the email carefully. 5. Click on the provided link.	Get redirected to the application login page.
		3. Open the email. 4. Read the email carefully. 5. Do not click	

T.13.3	The user does not leave consent nor confirms their email.	on the provided link. 6. Go to the application login page. 7. Use the in data to login.	Get notified that the email must be confirmed to log in.
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Test suite: User account deletion (F20)

Scenario

A user is able to delete their own account.

Preconditions

T.2.1.

In data

Username	Password	Confirm password
johndoe	Password123	Password123

Steps

1. Click on the menu.
2. Click on "Inställningar".
3. The settings area appears.
4. Click on "Radera konto".
5. A form for deleting the account is shown.
6. Fill in the in data.
7. Click "Radera konto".

Test ID	Title	Expected
T.20.1	The user deletes their account.	The user is redirected to the login page.
T.20.2	The user logs in with deleted account.	See "Användaren finns inte".

Test suite: User levels (F28)

Scenario

The system should have three user levels – superuser, admin and user.

Preconditions

The system is online.

In data

Super user username	Super user password	Admin user username	Admin user password	Regular user username	Regular user password
–	–	–	–	sTestUser1	sTestUser1

Steps

1. Enter URL to home page in browser address bar.
2. Enter username and password for user in login form and press submit.

Test ID	Title	Expected
T.28.1	Login as super user.	See super user logged in page.
T.28.2	Login as admin user.	See admin user logged in page.
T.28.3	Login as regular user.	See regular user logged in page.

Test suite: Profile picture (F47)

Scenario

A user is able to upload a profile picture.

Preconditions

T.2.1.

In data

Test case	File
T.47.1	Image sized 800x800 pixels.
T.47.2	Non-image like .pdf or .txt.
T.47.3	–
T.47.4	Image sized 801x800 pixels.
T.47.5	Image sized 800x801 pixels.

Steps

1. Click on settings.
2. The settings area appears.
3. Click on "Ändra profilbild".
4. A form for uploading a file is shown.
5. Click on "Bläddra".
6. A popup for choosing a file appears.
7. Choose a file based on in data and click "Öppna".
8. Click "Ladda upp".

Test ID	Title	Expected
T.47.1	The user can upload a profile picture.	Image is set as profile picture.
T.47.2	The user can not upload a non-image file as profile picture.	Error message: "Du måste välja en bild".
T.47.3	The user can not upload an empty form.	Error message: "Du måste välja en bild".
T.47.4	The user can not upload a picture whose width is larger than 800px.	Error message: "Den uppladdade bildens bredd och höjd får inte överstiga 800px".
T.47.5	The user can not upload a picture whose height is larger than 800px.	Error message: "Den uppladdade bildens bredd och höjd får inte överstiga 800px".