Test Document

Project for NordVisa

2DV603

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# Test Strategy

## Test Goals

The goal with these tests is to check if the implemented application fulfills the requirements. This is to ensure that the customer gets a system which does what they were asking for.

## Required Tools

* JMeter
* Postman
* JDK: 1.8
* Browser: Google Chrome Stable

## Hardware

* CPU: Intel i7 960
* Memory: 12 GB non-EEC memory
* 1440p Dell Monitor
* 1080p Samsung Monitor
* Samsung Note Tablet
* Moto G4 Plus

## Operating System

* Arch Linux
* Android

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# Test Plan

## Test Level

For the test level we will focus on system tests since we are interested in if the requirements are fulfilled. While there are some unit tests created for the code, they are not included in this testing phase.

### Manual Testing

The manual testing will go through each of the test cases between 1.1 - 20.1 and manually test the system. These tests are based on the use cases from the requirements document, and since the requirements were derived from the use cases we can easily trace which tests belong to which requirement. We also have a traceability diagram where you can see which requirement each test is testing, however, we did not mention the sub-requirements since the resulting document would be too large.

### Stress Testing

We will run two types of stress test. The first is a short stress test where we use JMeter to send many requests to the application and see if it crashed and if we get a response from the application on every request.

The next one is a soak test. This test will send fewer requests per second, but will do so over a longer time. This can often help with finding memory leaks or other problems with the application.

### Exploratory Testing

Some exploratory testing will be carried out since test cases can’t cover every scenario in the application. But with exploratory testing bugs can often surface when doing something unexpected.

## Requirements Limitation

Some requirements are more subjective than other. For example, the tests for the responsiveness requirements don’t have solid parameters. This is because it’s quite hard to define a test for something having a responsive design.

## Test Traceability

See Test Traceability Matrix excel sheet.

# Test Cases

## 1.1 - Login

* Author: Axel Nilsson
* Category:UC1

#### Prerequisites

* Tester is not authenticated
* An account with email “[test@test.com](mailto:test@test.com)” and password “my\_password” is registered in the system
* Tester is at the login page for the system “/login”

#### Test Execution

1. Write “[test@test.com](mailto:test@test.com)” in the email box
2. Write “my\_password” in the password box
3. Click the login button

#### Expected Output

* Website redirects the user to the “My events” page

## 1.2 - Login: Invalid username

* Author: Axel Nilsson
* Category:UC1

#### Prerequisites

* Tester is not authenticated
* An account with email “nonexistent[@test.com](mailto:test@test.com)” and password “my\_password” is NOT registered in the system
* Tester is at the login page for the system “/login”

#### Test Execution

1. Write “nonexistent[@test.com](mailto:test@test.com)” in the email box
2. Write “my\_password” in the password box
3. Click the login button

#### Expected Output

* An error message appears on the login page.
* Tester is not logged in.

## 1.3 - Login: Invalid password

* Author: Axel Nilsson
* Category:UC1

#### Prerequisites

* Tester is not authenticated
* An account with email “test[@test.com](mailto:test@test.com)” and password “my\_password” is registered in the system
* Tester is at the login page for the system “/login”

#### Test Execution

1. Write in “[test@test.com](mailto:test@test.com)” in the email box
2. Write “wrong\_password” in the password box
3. Click the login button

#### Expected Output

* An error message appears on the login page.
* Tester is not logged in.

## 2.1 - Logout

* Author: Axel Nilsson
* Category:UC2

#### Prerequisites

* Tester is authenticated

#### Test Execution

1. Tester presses the menu button
2. Tester presses the logout button

#### Expected Output

* Tester is redirected to the login page
* Tester is no longer authenticated

## 3.1 - Register Account

* Author: Axel Nilsson
* Category:UC3

#### Prerequisites

* Automatic emails are sent from the address “noreply@eventtesting.com”
* A super administrator with email “[admin@admin.com](mailto:admin@admin.com)” with password “adminadmin” is already registered
* Tester has a real email address in use which will be referred to as TEST\_EMAIL. Anywhere you see this replace it with your real email address
* The TEST\_EMAIL is not already registered in the system.
* Tester has navigated to the registration page “/register”

#### Test Execution

1. Write the TEST\_EMAIL in the email field
2. Write “my\_password” in the password field
3. Write “my\_password” in the password confirmation field
4. Leave the organization as is
5. Click the reCaptcha button
6. Click the register button
7. Open your email application for the TEST\_EMAIL address
8. Open the email from [noreply@eventtesting.com](mailto:noreply@eventtesting.com)
9. Click the link
10. Log into the system as the super administrator
    1. Write email as “[admin@admin.com](mailto:admin@admin.com)”
    2. Write password as “adminadmin”
11. Click the menu button
12. Click the Pending Registrations button
13. Check the box next to the email address matching TEST\_EMAIL and select Approve
14. Click the approve button
15. Click the menu button
16. Click logout
17. Log in as the new user
    1. Write email matching the TEST\_EMAIL
    2. Write the password as “my\_password”
18. Click login button

#### Expected Output

* At point 6. you should be redirected to the login page with a message reading “Registration is being verified”.
* At point 8. there should be an email in the inbox.
* When clicking the link at 9. it should redirect the user to the login page.
* After 12. you should get a list of pending registrations.
* After 14. the user should disappear from the list
* After final stage at 18 you should be authenticated and taken to the My Events page.

## 3.2 - Register Account: reCaptcha fail validation

* Author: Axel Nilsson
* Category:UC3

#### Prerequisites

* Tester is not authenticated
* Tester has navigated to the registration page “/register”

#### Test Execution

1. Write the “test@test.com” in the email field
2. Write “my\_password” in the password field
3. Write “my\_password” in the password confirmation field.
4. Leave the organization as it is.
5. Don’t click the reCaptcha button.
6. Click the register button

#### Expected Output

* A message reading “Captcha failed!” is displayed on the registration page.

## 3.3 - Register Account: Invalid email format

* Author: Axel Nilsson
* Category:UC3

#### Prerequisites

* Tester is not authenticated
* Tester has navigated to the registration page “/register”

#### Test Execution

1. Write “myInvalidEmail@blabla” in the email field
2. Write “my\_password” in the password field
3. Write “my\_password” in the password confirmation field
4. Leave the organization as is
5. Click the reCaptcha button
6. Click the register button

#### Expected Output

* A message reading “Email is invalid!” is displayed on the registration screen

## 3.4 - Register Account: Email already exists

* Author: Axel Nilsson
* Category:UC3

#### Prerequisites

* Tester is not authenticated
* An account with the email “[test@test.com](mailto:test@test.com)” is alredy registered.
* Tester has navigated to the registration page “/register”

#### Test Execution

1. Write “test@test.com” in the email field
2. Write “my\_password” in the password field
3. Write “my\_password” in the password confirmation field
4. Leave the organization as is
5. Click the reCaptcha button
6. Click the register button

#### Expected Output

* An error message is displayed reading “Email address [test@test.com](mailto:test@test.com) is already registered in the system”

## 3.5 - Register Account: Password does not match password confirmation

* Author: Axel Nilsson
* Category:UC3

#### Prerequisites

* Tester is not authenticated
* An account with the email “[test@test.com](mailto:test@test.com)” is not registered in the system.
* User has navigated to the registration page “/register”

#### Test Execution

1. Write “test@test.com” in the email field
2. Write “my\_password” in the password field
3. Write “mismatch\_password” in the password confirmation field
4. Leave the organization as is
5. Click the reCaptcha button
6. Click the register button

#### Expected Output

* An error message is displayed reading “Passwords doesn’t match”

## 3.6 - Register Account: Password is invalid

* Author: Axel Nilsson
* Category:UC3

#### Prerequisites

* Tester is not authenticated
* An account with the email “[test@test.com](mailto:test@test.com)” is not registered in the system.

#### Test Execution

1. Write “test@test.com” in the email field
2. Write “bla” in the password field
3. Write “bla” in the password confirmation field.
4. Leave the organization as is
5. Click the reCaptcha button
6. Click the register button
7. Replace both passwords with the following string
   1. pxRXh2PFoiXiwmC72LTmWjtUC6JEQkQBUXhbGl8KhVfVf31c4lKsS369tcuf8SfXVakzDUIqbmHaMg0r6ZG3dSklmYVwpsZP82wFIsB1zChC0nNtT6ayyLIteKwr1JKJdQSPgZtIj8nttAk5LTjKVjTPRLqWDTQ8pUF238KlReNRNYfApqGro4vB1fYTw1wYpZwN9wQaJ7imZxMlqKThKfZUiCe6kbXhmAvFgurGIcl8zKVGQug6j3gzEVHcnnYe
8. Click the register button

#### Expected Output

* 6. An error message is displayed reading “Password is too short!”
* 8. An error message is displayed reading “Password is too long!”

## 3.7 - Register Account: Selects organization

* Author: Axel Nilsson
* Category:UC3

#### Prerequisites

* Automatic emails are sent from the address “noreply@eventtesting.com”
* An organization administrator for the organization “my\_org” with email “[admin@admin.com](mailto:admin@admin.com)” and password “adminadmin” is already registered.
* Tester has a real email address in use which will be referred to as TEST\_EMAIL. Anywhere you see this replace it with your real email address.
* The TEST\_EMAIL is not already registered in the system.
* User has navigated to the registration page “/register”.

#### Test Execution

1. Write the TEST\_EMAIL in the email field
2. Write “my\_password” in the password field
3. Write “my\_password” in the password confirmation field
4. Select organization “my\_org”
5. Click the reCaptcha button
6. Click the register button
7. Open your email application for the TEST\_EMAIL address
8. Open the email from [noreply@eventtesting.com](mailto:noreply@eventtesting.com)
9. Click the link
10. Log into the system as the administrator
    1. Write email as “[admin@admin.com](mailto:admin@admin.com)”
    2. Write password as “adminadmin”
11. Click the menu button
12. Click the Pending Registrations button
13. Check the box next to the email address matching TEST\_EMAIL and select Approve
14. Click the approve button
15. Click the menu button
16. Click logout
17. Log in as the new user
    1. Write email matching the TEST\_EMAIL
    2. Write the password as “my\_password”
18. Click login button

#### Expected Output

* At point 6. you should be redirected to the login page with a message reading “Registration is being verified”.
* At point 8. there should be an email in the inbox.
* When clicking the link on 9. it should redirect the user to the login page.
* After 12. you should get a list of pending registrations.
* After 14. the user should disappear from the list.
* After the final stage at 18. you should be authenticated and taken to My Events page.

## 3.8 - Register Account: Create organization

* Author: Axel Nilsson
* Category:UC3

#### Prerequisites

* Automatic emails are sent from the address “noreply@eventtesting.com”.
* A super administrator with email “[admin@admin.com](mailto:admin@admin.com)” and password “adminadmin” is already registered.
* No account with organization “my\_org” is registered.
* Tester has a real email address in use which will be referred to as TEST\_EMAIL. Anywhere you see this replace it with your real email address.
* The TEST\_EMAIL is not already registered in the system.
* User has navigated to the registration page “/register”.

#### Test Execution

1. Write the TEST\_EMAIL in the email field
2. Write “my\_password” in the password field
3. Write “my\_password” in the password confirmation field
4. Write “my\_org” as the organization
5. Click the reCaptcha button
6. Click the register button
7. Open your email application for the TEST\_EMAIL address
8. Open the email from [noreply@eventtesting.com](mailto:noreply@eventtesting.com)
9. Click the link
10. Log into the system as the super administrator
    1. Write email as “[admin@admin.com](mailto:admin@admin.com)”
    2. Write password as “adminadmin”
11. Click the menu button
12. Click the Pending Registrations button
13. Check the box next to the email address matching TEST\_EMAIL
14. Click the approve button
15. Click the menu button
16. Click logout
17. Log in as the new user
    1. Write the TEST\_EMAIL
    2. Write the password as “my\_password”
18. Click login button

#### Expected Output

* On point 6. you should be redirected to the login page with a message reading “Registration is being verified”.
* On point 8. there should be an email in the inbox.
* When clicking the link on 9. it should redirect the user to the login page.
* After 12. you should get a list of pending registrations.
* After 14. the user should disappear from the list.
* After final stage at 18 you should be authenticated and taken to My Events page.

## 3.9 - Register Account: Organization already exists

* Author: Axel Nilsson
* Category:UC3

#### Prerequisites

* Automatic emails are sent from the address “noreply@eventtesting.com”.
* An organization administrator for the organization “my\_org” with email “[admin@admin.com](mailto:admin@admin.com)” with password “adminadmin” is already registered.
* Tester has a real email address in use which will be referred to as TEST\_EMAIL. Anywhere you see this replace it with your real email address.
* The TEST\_EMAIL is not already registered in the system.
* User has navigated to the registration page “/register”.

#### Test Execution

1. Write the TEST\_EMAIL in the email field
2. Write “my\_password” in the password field
3. Write “my\_password” in the password confirmation field
4. Write “my\_org” as the organization
5. Click the reCaptcha button
6. Click the register button
7. Open your email application for the TEST\_EMAIL address
8. Open the email from [noreply@eventtesting.com](mailto:noreply@eventtesting.com)
9. Click the link
10. Log into the system as the administrator
    1. Write email as “[admin@admin.com](mailto:admin@admin.com)”
    2. Write password as “adminadmin”
11. Click the menu button
12. Click the Pending Registrations button
13. Check the box next to the email address matching TEST\_EMAIL
14. Click the approve button
15. Click the menu button
16. Click logout
17. Log in as the new user
    1. Write the TEST\_EMAIL
    2. Write the password as “my\_password”
18. Click login button

#### Expected Output

* On point 6. you should be redirected to the login page with a message reading “Registration is being verified”.
* On point 8. there should be an email in the inbox.
* When clicking the link on 9. it should redirect the user to the login page.
* After 12. you should get a list of pending registrations.
* After 14. the user should disappear from the list.
* After final stage at 18 you should be authenticated and taken to My Events page.

## 3.10 - Register Account: Confirmation link expires

* Author: Axel Nilsson
* Category:UC3

#### Prerequisites

* Automatic emails are sent from the address “noreply@eventtesting.com”.
* A super administrator with email “[admin@admin.com](mailto:admin@admin.com)” with password “adminadmin” is already registered.
* Tester has a real email address in use which will be referred to as TEST\_EMAIL. Anywhere you see this replace it with your real email address.
* The TEST\_EMAIL is not already registered in the system.
* User has navigated to the registration page “/register”.

#### Test Execution

1. Write the TEST\_EMAIL in the email field
2. Write “my\_password” in the password field
3. Write “my\_password” in the password confirmation field
4. Leave the organization as is
5. Click the reCaptcha button
6. Click the register button
7. Log into the system as the super administrator
   1. Write email as “[admin@admin.com](mailto:admin@admin.com)”
   2. Write password as “adminadmin”
8. Click the menu button
9. Click the Pending Registrations button
10. Check the box next to the email address matching TEST\_EMAIL
11. Click the approve button
12. Click the menu button
13. Click logout
14. Wait 24 hours and 1 minute
15. Open your email application for the TEST\_EMAIL address
16. Open the email from [noreply@eventtesting.com](mailto:noreply@eventtesting.com)
17. Click the link

#### Expected Output

* At point 6. you should be redirected to the login page with a message reading “Registration is being verified”.
* At point 8. there should be an email in the inbox.
* When clicking the link on 9. it should redirect the user to the login page.
* After 12. you should get a list of pending registrations.
* After 14. the user should disappear from the list.
* When clicking on the link a simple page with the message “This link has expired” is shown.

## 3.11 - Register Account: Administrator denies registration

* Author: Axel Nilsson
* Category:UC3

#### Prerequisites

* Automatic emails are sent from the address “noreply@eventtesting.com”.
* A super administrator with email “[admin@admin.com](mailto:admin@admin.com)” with password “adminadmin” is already registered.
* Tester has a real email address in use which will be referred to as TEST\_EMAIL. Anywhere you see this replace it with your real email address.
* The TEST\_EMAIL is not already registered in the system.
* User has navigated to the registration page “/register”.

#### Test Execution

1. Write the TEST\_EMAIL in the email field
2. Write “my\_password” in the password field
3. Write “my\_password” in the password confirmation field.
4. Leave the organization as is.
5. Click the reCaptcha button.
6. Click the register button
7. Open your email application for the TEST\_EMAIL address
8. Open the email from [noreply@eventtesting.com](mailto:noreply@eventtesting.com)
9. Click the link.
10. Log into the system as the super administrator
    1. Write email as “[admin@admin.com](mailto:admin@admin.com)”
    2. Write password as “adminadmin”
11. Click the menu button
12. Click the Pending Registrations button
13. Check the box next to the email address matching TEST\_EMAIL
14. Click the deny button
15. Click the menu button
16. Click logout
17. Log in as the new user
    1. Write email matching the TEST\_EMAIL
    2. Write the password as “my\_password”
18. Click login button

#### Expected Output

* On point 6. you should be redirected to the login page with a message reading “Registration is being verified”
* On point 8. there should be an email in the inbox.
* When clicking the link on 9. it should redirect the user to the login page.
* After 12. you should get a list of pending registrations.
* After 14. the user should disappear from the list
* The TEST\_EMAIL should receive an email reading your request was denied.

## 4.1 - Recover Password

* Author: Axel Nilsson
* Category:UC4

#### Prerequisites

* Automatic emails are sent from the address “noreply@eventtesting.com”
* Tester has a real email address in use which will be referred to as TEST\_EMAIL. Anywhere you see this replace it with your real email address
* The TEST\_EMAIL is registered in the system.
* User has navigated to the password recovery page “/recover\_password”

#### Test Execution

1. Enter the email address TEST\_EMAIL
2. Click request password button
3. Open the email application for TEST\_EMAIL
4. Find recent email from [noreply@eventtesting.com](mailto:noreply@eventtesting.com)
5. Click the link in the email
6. Write “new\_password” in the password field
7. Write “new\_password” in the password confirmation field
8. Click the change password button

#### Expected Output

* 2. You are redirected to the login page with a message reading “An email has been sent to your address”
* 8. You are redirected to the login page with a message reading “The password has been changed”

## 4.2 - Recover Password: Invalid email address format

* Author: Axel Nilsson
* Category:UC4

#### Prerequisites

* User has navigated to the password recovery page “/recover\_password”

#### Test Execution

1. Enter the email address “test@test”
2. Click request password button

#### Expected Output

* An error message reading “Email is invalid!” is displayed on the recover password page.

## 4.3 - Recover Password: Email is not registered

* Author: Axel Nilsson
* Category:UC4

#### Prerequisites

* An account with the email “[test@test.com](mailto:test@test.com)” is not registered in the system

#### Test Execution

1. Enter the email address “test@test.com”
2. Click request password button

#### Expected Output

* An error message reading “No account with matching email address found”.

## 4.4 - Recover Password: Expired link

* Author: Axel Nilsson
* Category:UC4

#### Prerequisites

* Automatic emails are sent from the address “noreply@eventtesting.com”
* Tester has a real email address in use which will be referred to as TEST\_EMAIL. Anywhere you see this replace it with your real email address
* The TEST\_EMAIL is registered in the system.
* User has navigated to the password recovery page “/recover\_password”

#### Test Execution

1. Enter the email address TEST\_EMAIL
2. Click request password button
3. Wait at least 24 hours and 1 minute
4. Open the email application for TEST\_EMAIL
5. Find recent email from [noreply@eventtesting.com](mailto:noreply@eventtesting.com)
6. Click the link in the email

#### Expected Output

* 2. You are redirected to the login page with a message reading “An email has been sent to your address”
* 6. A website reading “This link has expired” is shown in the browser.

## 4.5 - Recover Password: Used Link

* Author: Axel Nilsson
* Category:UC4

#### Prerequisites

* Automatic emails are sent from the address “noreply@eventtesting.com”
* Tester has a real email address in use which will be referred to as TEST\_EMAIL. Anywhere you see this replace it with your real email address
* The TEST\_EMAIL is registered in the system.
* User has navigated to the password recovery page “/recover\_password”

#### Test Execution

1. Enter the email address TEST\_EMAIL
2. Click request password button
3. Open the email application for TEST\_EMAIL
4. Find recent email from [noreply@eventtesting.com](mailto:noreply@eventtesting.com)
5. Click the link in the email
6. Write “new\_password” in the password field
7. Write “new\_password” in the password confirmation field
8. Click the change password button
9. Open your email application for TEST\_EMAIL again
10. Open the same email again
11. Click the link

#### Expected Output

* 2. You are redirected to the login page with a message reading “An email has been sent to your address”
* 8. You are redirected to the login page with a message reading “The password has been changed”
* 11. A simple page reading “This link has already been used” is presented in the browser.

## 4.6 - Recover Password: Invalid password

* Author: Axel Nilsson
* Category:UC4

#### Prerequisites

* Automatic emails are sent from the address “noreply@eventtesting.com”
* Tester has a real email address in use which will be referred to as TEST\_EMAIL. Anywhere you see this replace it with your real email address
* The TEST\_EMAIL is registered in the system.
* User has navigated to the password recovery page “/recover\_password”

#### Test Execution

1. Enter the email address TEST\_EMAIL
2. Click request password button
3. Open the email application for TEST\_EMAIL
4. Find recent email from [noreply@eventtesting.com](mailto:noreply@eventtesting.com)
5. Click the link in the email
6. Write “test” in the password field
7. Write “test” in the password confirmation field
8. Click the change password button

#### Expected Output

* 2. You are redirected to the login page with a message reading “An email has been sent to your address”
* 8. A message appears on the change password page reading “Invalid password! Must be between 10 and 255 characters”

## 4.7 - Recover Password: Passwords do not match

* Author: Axel Nilsson
* Category:UC4

#### Prerequisites

* Automatic emails are sent from the address “noreply@eventtesting.com”
* Tester has a real email address in use which will be referred to as TEST\_EMAIL. Anywhere you see this replace it with your real email address
* The TEST\_EMAIL is registered in the system.
* User has navigated to the password recovery page “/recover\_password”

#### Test Execution

1. Enter the email address TEST\_EMAIL
2. Click request password button
3. Open the email application for TEST\_EMAIL
4. Find recent email from [noreply@eventtesting.com](mailto:noreply@eventtesting.com)
5. Click the link in the email
6. Write “new\_password” in the password field
7. Write “mismatching\_password” in the password confirmation field
8. Click the change password button

#### Expected Output

* 2. You are redirected to the login page with a message reading “An email has been sent to your address”
* 8. A message appears on the change password page reading “Passwords do not match” is displayed on the change password page.

## 5.1 - Update User Account: Update both email and organization

* Author: Axel Nilsson
* Category:UC5

#### Prerequisites

* Automatic emails are sent from the address “noreply@eventtesting.com”
* Tester has a real email address in use which will be referred to as TEST\_EMAIL. Anywhere you see this replace it with your real email address
* The TEST\_EMAIL is registered in the system.
* An account with email “[test@test.com](mailto:test@test.com)” is registered with password “my\_password”.
* Tester is authenticated with the account with email [test@test.com](mailto:test@test.com)
* Tester has navigated to the My Account page at /user/account
* An organization administrator for the organization “my\_org” with email “[admin@admin.com](mailto:admin@admin.com)” with password “adminadmin” is already registered.

#### Test Execution

1. Write the TEST\_EMAIL in the email field
2. Select the organization my\_org
3. Click the save button
4. Log out from account
5. Open the mail application for the TEST\_EMAIL address
6. Find the recent mail from [noreply@eventtesting.com](mailto:noreply@eventtesting.com)
7. Open the email and click the link
8. Log in as the administrator
   1. Write email as [admin@admin.co](mailto:admin@admin.com)m
   2. Write password as adminadmin
9. Click the menu button
10. Click the Pending Registrations button.
11. Check the box next to the user with the email TEST\_EMAIL
12. Click the approve button
13. Log out
14. Sign into the updated account
    1. Write email as TEST\_EMAIL
    2. Write password as “my\_password”

#### Expected Output

* 3. A confirmation message appears
* 7. You are redirected to the login page with another confirmation
* 14. You are able to log in and are a member of the new organization.

## 5.2 - Update User Account: Update email

* Author: Axel Nilsson
* Category:UC5

#### Prerequisites

* Automatic emails are sent from the address “noreply@eventtesting.com”
* Tester has a real email address in use which will be referred to as TEST\_EMAIL. Anywhere you see this replace it with your real email address
* The TEST\_EMAIL is registered in the system.
* An account with email “[test@test.com](mailto:test@test.com)” is registered with password “my\_password”.
* Tester is authenticated with the account with email [test@test.com](mailto:test@test.com)
* Tester has navigated to the My Account page at /user/account

#### Test Execution

1. Write the TEST\_EMAIL in the email field
2. Leave organization as is
3. Click the save button
4. Open the mail application for the TEST\_EMAIL address
5. Find the recent mail from [noreply@eventtesting.com](mailto:noreply@eventtesting.com)
6. Open the email and click the link
7. Sign into the updated account
   1. Write email as TEST\_EMAIL
   2. Write password as “my\_password”

#### Expected Output

* 3. A confirmation message appears
* 6. You are redirected to the login page with another confirmation
* 7. You are able to log in..

## 5.3 - Update User Account: Update password

* Author: Axel Nilsson
* Category:UC5

#### Prerequisites

* An account with email “[test@test.com](mailto:test@test.com)” is registered with password “my\_password”.
* Tester is authenticated with the account with email [test@test.com](mailto:test@test.com)
* Tester has navigated to the My Account page at /user/account

#### Test Execution

1. Write old password as “my\_password”
2. Write new password as “new\_password”
3. Write new password confirmation as “new\_password”
4. Click save button

#### Expected Output

* Confirmation message is presented to user.

## 5.4 - Update User Account: Invalid email

* Author: Axel Nilsson
* Category:UC5

#### Prerequisites

* An account with email “[test@test.com](mailto:test@test.com)” is registered with password “my\_password”.
* Tester is authenticated with the account with email [test@test.com](mailto:test@test.com)
* Tester has navigated to the My Account page at /user/account

#### Test Execution

1. Write the “test” in the email field
2. Leave organization as is.
3. Click the save button

#### Expected Output

* An error message is presented.

## 5.5 - Update User Account: Email already exists

* Author: Axel Nilsson
* Category:UC5

#### Prerequisites

* An account with email “[test@test.com](mailto:test@test.com)” is registered with password “my\_password”.
* Another account with email “[test2@test.com](mailto:test2@test.com)” is registered in the system
* Tester is authenticated with the account with email [test@test.com](mailto:test@test.com)
* Tester has navigated to the My Account page at /user/account.

#### Test Execution

1. Write the “test2@test.com” in the email field
2. Leave organization as is.
3. Click the save button

#### Expected Output

* An error message is presented.

## 5.6 - Update User Account: Confirmation link expires

* Author: Axel Nilsson
* Category:UC5

#### Prerequisites

* Automatic emails are sent from the address “noreply@eventtesting.com”
* Tester has a real email address in use which will be referred to as TEST\_EMAIL. Anywhere you see this replace it with your real email address
* The TEST\_EMAIL is registered in the system.
* An account with email “[test@test.com](mailto:test@test.com)” is registered with password “my\_password”.
* Tester is authenticated with the account with email [test@test.com](mailto:test@test.com)
* Tester has navigated to the My Account page at /user/account

#### Test Execution

1. Write the TEST\_EMAIL in the email field
2. Leave organization as is
3. Click the save button
4. Wait at least 24 hours and 1 minute
5. Open the mail application for the TEST\_EMAIL address
6. Find the recent mail from [noreply@eventtesting.com](mailto:noreply@eventtesting.com)
7. Open the email and click the link

#### Expected Output

* 3. A confirmation message appears
* 7. You are taken to a page with a text reading the link has expired.

## 5.7 - Update User Account: New password is invalid

* Author: Axel Nilsson
* Category:UC5

#### Prerequisites

* An account with email “[test@test.com](mailto:test@test.com)” is registered with password “my\_password”.
* Tester is authenticated with the account with email [test@test.com](mailto:test@test.com)
* Tester has navigated to the My Account page at /user/account

#### Test Execution

1. Write old password as “my\_password”
2. Write new password as “short”
3. Write new password confirmation as “short”
4. Click save button
5. Replace new password and password confirmation with the following string
   1. pxRXh2PFoiXiwmC72LTmWjtUC6JEQkQBUXhbGl8KhVfVf31c4lKsS369tcuf8SfXVakzDUIqbmHaMg0r6ZG3dSklmYVwpsZP82wFIsB1zChC0nNtT6ayyLIteKwr1JKJdQSPgZtIj8nttAk5LTjKVjTPRLqWDTQ8pUF238KlReNRNYfApqGro4vB1fYTw1wYpZwN9wQaJ7imZxMlqKThKfZUiCe6kbXhmAvFgurGIcl8zKVGQug6j3gzEVHcnnYe
6. Click save button

#### Expected Output

* 4. An error message is displayed reading “Password is too short!”
* 6. An error message is displayed reading “Password is too long!”

## 5.8 - Update User Account: New password does not match

* Author: Axel Nilsson
* Category:UC5

#### Prerequisites

* An account with email “[test@test.com](mailto:test@test.com)” is registered with password “my\_password”.
* Tester is authenticated with the account with email [test@test.com](mailto:test@test.com)
* Tester has navigated to the My Account page at /user/account

#### Test Execution

1. Write old password as “my\_password”
2. Write new password as “new\_password”
3. Write new password confirmation as “mismatch\_password”
4. Click save button

#### Expected Output

* Error message is presented to user.

## 5.9 - Update User Account: Old password is not correct

* Author: Axel Nilsson
* Category:UC5

#### Prerequisites

* An account with email “[test@test.com](mailto:test@test.com)” is registered with password “my\_password”.
* Tester is authenticated with the account with email [test@test.com](mailto:test@test.com)
* Tester has navigated to the My Account page at /user/account

#### Test Execution

1. Write old password as “wrong\_password”
2. Write new password as “new\_password”
3. Write new password confirmation as “new\_password”
4. Click save button

#### Expected Output

* Error message is presented to user.

## 5.10 - Update User Account: Change to another existing organization

* Author: Axel Nilsson
* Category:UC5

#### Prerequisites

* An account with email “[test@test.com](mailto:test@test.com)” is registered with password “my\_password”.
* Tester is authenticated with the account with email [test@test.com](mailto:test@test.com)
* Tester has navigated to the My Account page at /user/account
* An organization administrator for the organization “my\_org” with email “[admin@admin.com](mailto:admin@admin.com)” with password “adminadmin” is already registered.

#### Test Execution

1. Leave email as it is
2. Select the organization my\_org
3. Click the save button
4. Log in as the administrator
   1. Write email as [admin@admin.co](mailto:admin@admin.com)m
   2. Write password as adminadmin
5. Click the menu button
6. Click the Pending Registrations button.
7. Check the box next to the user with the email TEST\_EMAIL
8. Click the approve button
9. Log out
10. Sign into the updated account
    1. Write email as “test@test.com”
    2. Write password as “my\_password”

#### Expected Output

* You are a member of the new organization.

## 5.11 - Update User Account: Change to new organization

* Author: Axel Nilsson
* Category:UC5

#### Prerequisites

* An account with email “[test@test.com](mailto:test@test.com)” is registered with password “my\_password”.
* Tester is authenticated with the account with email [test@test.com](mailto:test@test.com)
* Tester has navigated to the My Account page at /user/account
* An global administrator with email “[admin@admin.com](mailto:admin@admin.com)” with password “adminadmin” is already registered.
* No user is registered with the organization “my\_org”

#### Test Execution

1. Leave email as it is
2. Select the organization my\_org
3. Click the save button
4. Log in as the administrator
   1. Write email as [admin@admin.co](mailto:admin@admin.com)m
   2. Write password as adminadmin
5. Click the menu button
6. Click the Pending Registrations button.
7. Check the box next to the user with the email TEST\_EMAIL
8. Click the approve button
9. Log out
10. Sign into the updated account
    1. Write email as “test@test.com”
    2. Write password as “my\_password”

#### Expected Output

* You are an administrator of the new organization.

## 6.1 - Add administrative privileges

* Author: Axel Nilsson
* Category:UC6

#### Prerequisites

* An administrator account is registered in the system. Email “[admin@admin.com](mailto:admin@admin.com)” and password “adminadmin”
* A user is registered with the email “[test@test.com](mailto:test@test.com)”
* Tester is logged in as the administrator
* Tester is navigated to the members page /admin/members

#### Test Execution

1. Locate the user with email [test@test.com](mailto:test@test.com) in the list
2. Click the drop down next to the email under access level
3. Click Admin
4. Click the save button
5. When system asks if you are sure, click Yes.

#### Expected Output

* 3. A prompt asking if the administrator is sure is presented
* 5. A confirmation message is presented to the administrator
* The user with the email [test@test.com](mailto:test@test.com) now has administrative privileges.

## 6.2 - Add administrative privileges: Administrator undoes changes

* Author: Axel Nilsson
* Category:UC6

#### Prerequisites

* An administrator account is registered in the system. Email “[admin@admin.com](mailto:admin@admin.com)” and password “adminadmin”
* A user is registered with the email “[test@test.com](mailto:test@test.com)”
* Tester is logged in as the administrator
* Tester has navigated to the members page /admin/members

#### Test Execution

1. Locate the user with email [test@test.com](mailto:test@test.com) in the list
2. Click the drop down next to the email under access level
3. Click Admin
4. Click the save button
5. When system asks if you are sure, click No.

#### Expected Output

* 3. A prompt asking if the administrator is sure is presented
* The user withthe email [test@test.com](mailto:test@test.com) still only has user privileges.

## 7.1 - Remove administrative privileges

* Author: Axel Nilsson
* Category:UC7

#### Prerequisites

* A super administrator account is registered in the system. Email “[admin@admin.com](mailto:admin@admin.com)” and password “adminadmin”
* A administrator account is registered with the email “[test@test.com](mailto:test@test.com)”
* Tester is logged in as the super administrator
* Tester has navigated to the members page /admin/members

#### Test Execution

1. Locate the user with email [test@test.com](mailto:test@test.com) in the list
2. Click the drop down next to the email under access level
3. Click User
4. Click the save button
5. When system asks if you are sure, click Yes.

#### Expected Output

* 3. A prompt asking if the administrator is sure is presented
* 5. A confirmation message is presented to the super administrator
* The administrator with the email [test@test.com](mailto:test@test.com) now has super administrative privileges.

## 7.2 - Remove administrative privileges: Undoes changes

* Author: Axel Nilsson
* Category:UC7

#### Prerequisites

* A super administrator account is registered in the system. Email “[admin@admin.com](mailto:admin@admin.com)” and password “adminadmin”
* A administrator account is registered with the email “[test@test.com](mailto:test@test.com)”
* Tester is logged in as the super administrator
* Tester has navigated to the members page /admin/members

#### Test Execution

1. Locate the user with email [test@test.com](mailto:test@test.com) in the list
2. Click the drop down next to the email under access level
3. Click User
4. Click the save button
5. When system asks if you are sure, click No.

#### Expected Output

* 3. A prompt asking if the administrator is sure is presented
* The administrator with the email [test@test.com](mailto:test@test.com) still only has administrative privileges.

## 7.3 - Revoke administrative privileges: Revoke privileges within organization

* Author: Axel Nilsson
* Category:UC7

#### Prerequisites

* A organization administrator for my\_org is registered in the system. Email “[admin@admin.com](mailto:admin@admin.com)” and password “adminadmin”
* Another organization administrator for my\_org is registered with the email “[test@test.com](mailto:test@test.com)”
* Tester is logged in as the administrator with email admin@admin.com
* Tester is navigated to the members page /admin/members

#### Test Execution

1. Locate the user with email [test@test.com](mailto:test@test.com) in the list
2. Click the drop down next to the email under access level
3. Click User
4. Click the save button
5. When system asks if you are sure, click Yes.

#### Expected Output

* 3. A prompt asking if the administrator is sure is presented
* 5. A confirmation message is presented to the super administrator
* The administrator with the email [test@test.com](mailto:test@test.com) now only has user privileges.

## 8.1 - Add super administrative privileges

* Author: Axel Nilsson
* Category:UC8

#### Prerequisites

* A super administrator is registered in the system. Email “[admin@admin.com](mailto:admin@admin.com)” and password “adminadmin”
* A user is registered with the email “[test@test.com](mailto:test@test.com)”
* Tester is logged in as the super administrator
* Tester is navigated to the members page /admin/members

#### Test Execution

1. Locate the user with email [test@test.com](mailto:test@test.com) in the list
2. Click the drop down next to the email under access level
3. Click Superadmin
4. Click the save button
5. When system asks if you are sure, click Yes.

#### Expected Output

* 3. A prompt asking if the administrator is sure is presented
* 5. A confirmation message is presented to the super administrator
* The user now has super administrative privileges.

## 8.2 - Add super administrative privileges: Super administrator undoes changes

* Author: Axel Nilsson
* Category:UC8

#### Prerequisites

* A super administrator is registered in the system. Email “[admin@admin.com](mailto:admin@admin.com)” and password “adminadmin”
* A user is registered with the email “[test@test.com](mailto:test@test.com)”
* Tester is logged in as the super administrator
* Tester is navigated to the members page /admin/members

#### Test Execution

1. Locate the user with email [test@test.com](mailto:test@test.com) in the list
2. Click the dropdown next to the email under access level
3. Click Superadmin
4. Click the save button
5. When system asks if you are sure, click No.

#### Expected Output

* 3. A prompt asking if the administrator is sure is presented
* 5. A confirmation message is presented to the super administrator
* The user still only has user privileges.

## 8.3 - Add super administrative privileges: Can’t be demoted

* Author: Axel Nilsson
* Category:UC8

#### Prerequisites

* A super administrator is registered in the system. Email “[admin@admin.com](mailto:admin@admin.com)” and password “adminadmin”
* Another super administrator is registered with the email “[test@test.com](mailto:test@test.com)”
* Tester is logged in as the super administrator with email admin@admin.com
* Tester is navigated to the members page /admin/members

#### Test Execution

1. Locate the user with email [test@test.com](mailto:test@test.com) in the list
2. Click the dropdown next to the email under access level
3. Click Admin
4. Click the save button
5. When system asks if you are sure, click Yes.

#### Expected Output

* 3. A prompt asking if the administrator is sure is presented
* An error message is presented reading a super administrator can’t be demoted

## 9.1 - Create Event

* Author: Axel Nilsson
* Category:UC9

#### Prerequisites

* Tester has an image locally on the computer called test.jpg
* Tester is signed in to a registered account
* Test has navigated to the create event page.

#### Test Execution

1. Enter the name for the event as “My Event”
2. Enter location Sweden, Småland, Nygatan 18B
3. Enter a description reading “This is the description of My Event”
4. Set the date to December 31 this current year
5. Set start time to 23:00
6. Set end time to 23:30
7. Set the event to not be recurring
8. Click upload image button
9. Find the test.jpg image and select it
10. Click the preview button
11. Click the save button

#### Expected Output

* 8. Should upload open file dialog
* 10. A preview page with matching data to what you entered earlier
* 11. The event is saved and you are redirected to the My Events page where you can see “My Event” is the list.

## 9.2 - Create Event: Continue editing event

* Author: Axel Nilsson
* Category:UC9

#### Prerequisites

* Tester has an image locally on the computer called test.jpg
* Tester is signed in to a registered account
* Test has navigated to the create event page.

#### Test Execution

1. Enter the name for the event as “My Event”
2. Enter location Sweden, Småland, Nygatan 18B
3. Enter a description reading “This is the description of My Event”
4. Set the date to be December 31 this current year
5. Set start time to 23:00
6. Set end time to 23:30
7. Set the event to not be recurring
8. Click upload image button
9. Find the test.jpg image and select it
10. Click the preview button
11. Click the edit button

#### Expected Output

* 8. Should upload open file dialog
* 10. A preview page with matching data to what you entered earlier
* 11. Event is not saved, and you are taken back to the create event page with the data as it was before you clicked preview.

## 9.3 - Create Event: Required details not entered

* Author: Axel Nilsson
* Category:UC9

#### Prerequisites

* Tester has an image locally on the computer called test.jpg
* Tester is signed in to a registered account
* Test has navigated to the create event page.

#### Test Execution

1. Enter the name for the event as “My Event”
2. Don’t set any location
3. Enter a description reading “This is the description of My Event”
4. Set the date to be December 31 this current year
5. Set start time to 23:00
6. Set end time to 23:30
7. Set the event to not be recurring
8. Click upload image button
9. Find the test.jpg image and select it
10. Click the preview button

#### Expected Output

* 8. Should upload open file dialog
* 10. An error message is displayed telling the user that needed information is missing.

## 9.4 - Create Event: System cannot process image

* Author: Axel Nilsson
* Category:UC9

#### Prerequisites

* Tester has an image locally on the computer called largeTest.jpg which has a size larger than 1 MB.
* Tester is signed in to a registered account
* Test has navigated to the create event page.

#### Test Execution

1. Enter the name for the event as “My Event”
2. Enter location Sweden, Småland, Nygatan 18B
3. Enter a description reading “This is the description of My Event”
4. Set the date to be December 31 this current year
5. Set start time to 23:00
6. Set end time to 23:30
7. Set the event to not be recurring
8. Click upload image button
9. Find the test.jpg image and select it
10. Click the preview button

#### Expected Output

* 8. Should upload open file dialog
* 10. An error message is presented to the user with a message reading the image could not be processed.

## 10.1 - Update Event

* Author: Axel Nilsson
* Category:UC10

#### Prerequisites

* Tester is signed in to a registered account
* Tester has navigated to the my event page.
* Tester has already created an event with this account similar to the one in TC 9.1
* Tester has an image test2.jpg locally on their computer.

#### Test Execution

1. Find the event called My Event in the list
2. Click the Edit button
3. Change name to My Updated Event
4. Enter location Sweden, Småland, P G Vejdes väg
5. Enter a description reading “This is the new description of My Event”
6. Set the date to be February 15 this next year year
7. Set start time to 18:00
8. Set end time to 22:00
9. Set the event to recurring every week for 4 weeks
10. Click upload image button
11. Find the test2.jpg image and select it
12. Click the preview button
13. Click the save button

#### Expected Output

* You should be taken to the My Events page where the My Event should be renamed to My New Event. When you click View Event then all details should have been edited.

## 11.1 - Delete Event

* Author: Axel Nilsson
* Category:UC11

#### Prerequisites

* Tester is signed in to a registered account
* Tester has navigated to the My Events page.
* Tester has already created an event with this account similar to the one in TC 9.1

#### Test Execution

1. Find the event called My Event
2. Click the remove button
3. Click Yes in the dialog box

#### Expected Output

* 2. A dialog asking of the user is sure about the decision is displayed
* 3. After clicking yes the event My Event should disappear from the list

## 11.2 - Delete Event: User undoes changes

* Author: Axel Nilsson
* Category:UC11

#### Prerequisites

* Tester is signed in to a registered account
* Tester has navigated to the My Events page.
* Tester has already created an event with this account similar to the one in TC 9.1

#### Test Execution

1. Find the event called My Event
2. Click the remove button
3. Click No in the dialog box

#### Expected Output

* 2. A dialog asking of the user is sure about the decision is displayed
* 3. After clicking No the event My Event should still be in the list and should not be deleted.

## 12.1 - View Event in Dashboard

* Author: Axel Nilsson
* Category:UC12

#### Prerequisites

* Tester is signed in to a registered account
* Tester has navigated to the My Events page.
* Tester has already created an event with this account similar to the one in TC 9.1

#### Test Execution

1. Find the event with the name My Event
2. Click the View button next to it

#### Expected Output

* A preview window containing the content of the event should be presented to the user.

## 13.1 - List Events

* Author: Axel Nilsson
* Category:UC13

#### Prerequisites

* Tester is signed in to a registered account
* Tester has already created an event with this account similar to the one in TC 9.1
* Tester has already created another event with this account similar to the one in TC 9.1 but with the name “Test Event”
* Test has also created an event with another account called “Other Event”. Follow TC 9.1 but change the name

#### Test Execution

1. Navigate the the My Events page

#### Expected Output

* A list with two events both “My Event” and “Test Event” should be seen. The event “Other Event” should not appear in the list

## 13.2 - List Events: Administrator flow

* Author: Axel Nilsson
* Category:UC13

#### Prerequisites

* Tester is signed in to a registered account with administrative privileges
* Tester has already created an event with this account similar to the one in TC 9.1
* Tester has already created another event with this account similar to the one in TC 9.1 but with the name “Test Event”
* Test has also created an event with another account called “Other Event”. Follow TC 9.1 but change the name

#### Test Execution

1. Navigate to the My Events page

#### Expected Output

* A list with all three events should appear in the list.

## 14.1 - Generate Widget Code

* Author: Axel Nilsson
* Category:UC14

#### Prerequisites

* Tester is not logged in
* Tester has navigated to the login page.

#### Test Execution

1. Click Menu Button
2. Click Generate Widget button
3. Select Country as Sweden
4. Select Province Skåne
5. Click generate button

#### Expected Output

* Two code boxes will appear with code for the requested location

## 15.1 - Change Region

* Author: Axel Nilsson
* Category:UC15

#### Prerequisites

* Widget is embedded into a website
* Tester has navigated to a page on the website with the embedded widget
* There should be events in the system in the following regions
  + Sweden
  + Norway
  + Iceland
  + Denmark
  + Finland

#### Test Execution

1. Click the change region button
2. Click the All button

#### Expected Output

* All events in all nordic countries are shown in the calendar

## 15.2 - Change Region: Show specific country

* Author: Axel Nilsson
* Category:UC15

#### Prerequisites

* Widget is embedded into a website
* Tester has navigated to a page on the website with the embedded widget
* There should be events in the system in the following regions
  + Skåne, Sweden
  + Dalarna, Sweden
  + Norway
  + Iceland
  + Denmark
  + Finland

#### Test Execution

1. Click the change region button
2. Click the Sweden button

#### Expected Output

* Only the events in Sweden should now be visible in the calendar

## 15.3 - Change Region: Select province/region

* Author: Axel Nilsson
* Category:UC15

#### Prerequisites

* Widget is embedded into a website
* Tester has navigated to a page on the website with the embedded widget
* There should be events in the system in the following regions
  + Skåne, Sweden
  + Dalarna, Sweden
  + Norway
  + Iceland
  + Denmark
  + Finland

#### Test Execution

1. Click the change region button
2. Click the Skåne, under Sweden

#### Expected Output

* Only the event in Skåne, Sweden is visible in the calendar

## 15.4 - Change Region: Select region near visitor

* Author: Axel Nilsson
* Category:UC15

#### Prerequisites

* Widget is embedded into a website
* Tester has navigated to a page on the website with the embedded widget
* There should be events in the system with the following characteristics
  + Event about 100 kilometers away from your current position
  + Event less than 10 kilometers away from your current position

#### Test Execution

1. Click “events near me”
2. Set maximum distance to 15 kilometers

#### Expected Output

* Only the event less than 10 kilometers away from you shows up in the calendar

## 16.1 - View Single Event in Widget

* Author: Axel Nilsson
* Category:UC16

#### Prerequisites

* Widget is embedded into a website and shows all events in all nordic countries
* Tester has navigated to a page on the website with the embedded widget
* One event should be created called “My Event”

#### Test Execution

1. Find My Event in the calendar
2. Click the My Event box

#### Expected Output

* A window with all details about the event is presented

## 17.1 - View Calendar

* Author: Axel Nilsson
* Category:UC17

#### Prerequisites

* The widget is embedded in a website which the tester has access to. The region of the widget is set to All
* There are at least two events in the system

#### Test Execution

1. Navigate to the page which has the widget embedded

#### Expected Output

* A calendar containing the events should show on the website

## 18.1 - Widget language selection

* Author: Axel Nilsson
* Category:UC18

#### Prerequisites

* The widget is embedded in a website which the tester has access to. The region of the widget is set to All
* Tester is in a country within the nordics

#### Test Execution

1. Navigate to the website with widget embedded
2. If asked, allow the website to access your location

#### Expected Output

* The application will show the language of the country you are in.

## 18.2 - Widget language selection: Manual language change

* Author: Axel Nilsson
* Category:UC18

#### Prerequisites

* The widget is embedded in a website which the tester has access to. The region of the widget is set to All

#### Test Execution

1. Navigate to the website with the widget embedded
2. Click the language button
3. Select the language English

#### Expected Output

* All menus should now be in English.

## 18.3 - Widget language selection: Country outside of Nordics

* Author: Axel Nilsson
* Category:UC18

#### Prerequisites

* The widget is embedded in a website which the tester has access to. The region of the widget is set to All

#### Test Execution

1. Navigate to the website with widget embedded
2. Click the language button
3. Select the language English

#### Expected Output

* All menus should now be in English.

## 18.4 - Widget language selection: Visitor does not allow location tracking

* Author: Axel Nilsson
* Category:UC18

#### Prerequisites

* The widget is embedded in a website which the tester has access to. The region of the widget is set to All
* Tester is in a country within the nordics

#### Test Execution

1. Navigate to the website with widget embedded
2. When asked, do not allow the website to access your location

#### Expected Output

* The application should default to English, all menus should be in English

## 19.1 - Dashboard language selection

* Author: Axel Nilsson
* Category:UC19

#### Prerequisites

* Tester is logged into the dashboard
* Tester is in a country within the Nordics

#### Test Execution

1. Navigate to the My Events page
2. If asked, allow the website to access your location

#### Expected Output

* The application will show the language of the country you are in.

## 19.2 - Dashboard language selection: Manual language change

* Author: Axel Nilsson
* Category:UC19

#### Prerequisites

* Tester is logged into the dashboard

#### Test Execution

1. Navigate to the My Events page
2. Click the language drop down menu
3. Select Swedish

#### Expected Output

* All application menus and text are in Swedish

## 19.3 - Dashboard language selection: Country outside of Nordics

* Author: Axel Nilsson
* Category:UC19

#### Prerequisites

* Tester is logged into the dashboard

#### Test Execution

1. Navigate to the My Events page

#### Expected Output

* The application shows all menus and text in English

## 19.4 - Dashboard language selection: Visitor does not allow location tracking

* Author: Axel Nilsson
* Category:UC19

#### Prerequisites

* Tester is logged in to the dashboard

#### Test Execution

1. Navigate to the My Events page
2. If asked, do not allow the website to access your location

#### Expected Output

* The application will show all menus and text in English

## 20.1 - Widget switch to maps view

* Author: Axel Nilsson
* Category:UC20

#### Prerequisites

* Tester is on a webpage with the widget embedded
* The widget is in the calendar mode

#### Test Execution

1. Click the Map View button

#### Expected Output

* The calendar disappears and is replaced with a map with upcoming events.

## 21.1 - Response Test / Soak Test

* Author: Axel Nilsson
* Category: Quality

#### Prerequisites

* JMeter is installed and running on local machine
* System is running on local machine

#### Test Execution

1. Open JMeter
2. Add Thread Group to Test Plan
   1. Set Number of Threads (users) to 10
   2. Set Ramp-Up Period (in seconds) to 1
   3. Set Loop-Count to forever
   4. Enable Scheduler by checking the box
   5. Set Duration (seconds) to 1200 (20 minutes)
3. Add Config Element -> HTTP Request Defaults to Thread Group
   1. Set server Name or IP to localhost
   2. Set Port Number to 8080
4. Add Sampler -> HTTP Request to Thread Group
   1. Set Path to /
5. Add Listener -> Aggregate Report
6. Run the test and let it go for 10 minutes and monitor the memory usage of the process

#### Expected Output

* Application crashes
* The Error % column in the Aggregate Report is less than 1%

## 21.2 - Stress Test

* Author: Axel Nilsson
* Category: Quality

#### Prerequisites

#### Test Execution

1. Open JMeter
2. Add Thread Group to Test Plan
   1. Set Number of Threads (users) to 10000
   2. Set Ramp-Up Period (in seconds) to 10
   3. Leave loop count at 1
3. Add Config Element -> HTTP Request Defaults to Thread Group
   1. Set server Name or IP to localhost
   2. Set Port Number to 8080
4. Add Sampler -> HTTP Request to Thread Group
   1. Set Path to /
5. Add Listener -> Aggregate Report
6. Run the test

#### Expected Output

* The Error % column in the Aggregate Report is less than 1%
* Application does not crash

## 21.3 - Failure Recovery

* Author: Axel Nilsson
* Category Quality

#### Prerequisites

* Postman must be installed and running on testers machine
* System must be running on local machine at localhost:8080
* The database should not contain any data.

#### Test Execution

1. Open Postman.
2. Create new POST request
3. Set url to localhost:8080/api/visitor/registration
   1. Don’t add anything in Body
4. Send the request
5. Set body to x-www-form-urlencoded and add the following pairs
   1. email: “[test@test.com](mailto:test@test.com)”
   2. password: “my\_password”
   3. passwordConfirmation: “my\_password”
   4. organization: “”
6. Send the request again

#### Expected Output

* 4. You get a response with 500 error.
* 6. You now get a 200 OK on the response

## 21.4 - Reusability

* Author: Axel Nilsson
* Category: Quality

#### Prerequisites

* System database should be empty

#### Test Execution

1. Try running the software and set up car meetups instead

#### Expected Output

* You should have no problem in changing the domain to anything that deals with location based events.

## 22.1 - Third Parties Open Source

* Author: Axel Nilsson
* Category: Platform

#### Prerequisites

* Tester must have access to project source code and documentation

#### Test Execution

1. Navigate to the client source code.
2. Find the file called package.json
3. Look under dependencies, you will see a list of third party software used in the client.
4. Go to [www.npmjs.com](http://www.npmjs.com) and search for each package.
5. Navigate to the server folder in the source code.
6. Open the build.gradle file
7. Again under dependencies you can see a list of software we use
8. Go to search.maven.org and search for each package.
9. Find license and terms of service for external services like Google Maps
10. Next look up the license for MongoDB [www.mongodb.com/community/licensing](http://www.mongodb.com/community/licensing)

#### Expected Output

* 4. All packages should be under an open source license
* 8. All packages should be under an open source license
* 9. External services should be free for us to use, not necessarily open source
* 10. MongoDB should be released under GNU AGPL v3.0

## 23.1 - Responsive UI: 1080p desktop

* Author: Axel Nilsson
* Category: Platform

#### Prerequisites

* Tester has access to a computer with a 1080p screen

#### Test Execution

1. Open the application in a browser on the computer and on the 1080p screen
2. Navigate around the UI and do several tasks, try to visit as many of the pages as possible.

#### Expected Output

* The UI should be consistent and not have any out of place scaling issues

## 23.2 - Responsive UI: Tablet

* Author: Axel Nilsson
* Category: Platform

#### Prerequisites

* Tester has access to a tablet

#### Test Execution

1. Open the application in a browser on the tablet
2. Navigate around the UI and do several tasks, try to visit as many of the pages as possible.

#### Expected Output

* The UI should be consistent and not have any out of place scaling issues

## 23.3 - Responsive UI: Phone

* Author: Axel Nilsson
* Category: Platform

#### Prerequisites

* Tester has access to a smartphone

#### Test Execution

1. Open the application in a browser on the phone
2. Navigate around the UI and do several tasks, try to visit as many of the pages as possible.

#### Expected Output

* The UI should be consistent and not have any out of place scaling issues

## 24.1 - Open source license

* Author: Axel Nilsson
* Category: Process

#### Prerequisite

* Tester has a copy of the source code for the system locally

#### Test Execution

1. On your machine, navigate to the folder where the source code for the system is kept
2. Open the file called LICENSE in a text editor

#### Expected Output

* The license should be of one of these four types
  + MIT
  + GPL
  + Apache License
  + BSD

# 

# 

# Test Results

## Test Case Results

|  |  |
| --- | --- |
| Success | This is a test where there were no errors or exceptions to the execution |
| Success with minor exceptions | This is a test which succeeds with minor failures. Might be something is not fully developed and is using a temporary solution |
| Failure | A test where the execution does not fulfill the requirements |

|  |  |
| --- | --- |
| **Test Case** | **Comment** |
| TC 1.1 |  |
| TC 1.2 |  |
| TC 1.3 |  |
| TC 2.1 |  |
| TC 3.1 | Works as expected. Email not fully implemented, and no success message on login after registration |
| TC 3.2 |  |
| TC 3.3 |  |
| TC 3.4 |  |
| TC 3.5 |  |
| TC 3.6 |  |
| TC 3.7 | Works as expected. Email not fully implemented, and no success message on login after registration |
| TC 3.8 | Works as expected. Email not fully implemented, and no success message on login after registration |
| TC 3.9 | Works as expected. Email not fully implemented, and no success message on login after registration |
| TC 3.10 |  |
| TC 3.11 | Works as expected. Email not fully implemented, and no success message on login after registration |
| TC 4.1 | No redirect to login page |
| TC 4.2 |  |
| TC 4.3 | Success message is presented. However no email is sent or registered in the system. |
| TC 4.4 | You don’t get the message until after you fill in the details. |
| TC 4.5 | You don’t get the message until after you fill in the details. |
| TC 4.6 |  |
| TC 4.7 |  |
| TC 5.1 | Works as expected. Email not fully implemented. |
| TC 5.2 | Works as expected. Email not fully implemented. |
| TC 5.3 |  |
| TC 5.4 |  |
| TC 5.5 | A success message is presented. |
| TC 5.6 |  |
| TC 5.7 |  |
| TC 5.8 |  |
| TC 5.9 |  |
| TC 5.10 |  |
| TC 5.11 | The pending organization change does not appear in the pending registration list for super admin. |
| TC 6.1 | No confirmation message |
| TC 6.2 |  |
| TC 7.1 | No confirmation message |
| TC 7.2 |  |
| TC 7.3 | No confirmation message |
| TC 8.1 | No confirmation message |
| TC 8.2 |  |
| TC 8.3 | No error message |
| TC 9.1 | Not redirected to My Events when saving event. |
| TC 9.2 |  |
| TC 9.3 |  |
| TC 9.4 |  |
| TC 10.1 | Not redirected to My Events when saving event. |
| TC 11.1 |  |
| TC 11.2 |  |
| TC 12.1 |  |
| TC 13.1 |  |
| TC 13.2 |  |
| TC 14.1 | The first script tag has example.com which should be localhost:8080 for this system. |
| TC 15.1 | Widget is not implemented |
| TC 15.2 | Widget is not implemented |
| TC 15.3 | Widget is not implemented |
| TC 15.4 | Widget is not implemented |
| TC 16.1 | Widget is not implemented |
| TC 17.1 | Widget is not implemented |
| TC 18.1 | Widget is not implemented |
| TC 18.2 | Widget is not implemented |
| TC 18.3 | Widget is not implemented |
| TC 18.4 | Widget is not implemented |
| TC 19.1 | Automated language detection is not implemented in the prototype |
| TC 19.2 |  |
| TC 19.3 | Location detection not implemented in the prototype |
| TC 19.4 | Location detection not implemented in the prototype |
| TC 20.1 | Widget is not implemented |
| TC 21.1 |  |
| TC 21.2 |  |
| TC 21.3 |  |
| TC 21.4 |  |
| TC 22.1 |  |
| TC 23.1 |  |
| TC 23.2 |  |
| TC 23.3 |  |
| TC 24.1 |  |

## Exploratory Testing Results

From the exploratory testing, the system seems quite stable at this point. If we make exceptions for the missing features, then the only problems I really ran into was some minor problems with the UI.

Some already known bugs include the menu not updating its state when it is supposed to. You instead have to press a button on the menu for it to update. Another problem found is that your organization is not properly displayed on the “My Account” page.

Those where the main problems found, apart from those already covered in the test cases.

## Summary

The current state of the implementation is definitely still a prototype and would not be recommendable to run in production. The system does still contain a few bugs, for example, with handling organization change in the system. But aside from the bugs, the prototype is still missing a couple of features that would be necessary for running this software in production. For example, the automatic email sending is currently just a dummy component which outputs the information in the stack trace on the server, and other missing features like password recovery and location detection are still not fully implemented. Also there is currently no widget to present the data to visitors.

However, aside from the missing features, most of the core functionality is implemented. Also, most of the problems found during the testing were missing success and error messages. So, while the software is not ready for production because of missing features and low focus on security, it is not far off.