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

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

- Tester is not authenticated
- An account with email "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" 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" 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" 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" 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" 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" 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
9. Click the link
10. Log into the system as the super administrator
    a. Write email as "admin@admin.com"
    b. 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
    a. Write email matching the TEST_EMAIL
    b. 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

- 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" is alredy registered.

- Tester has navigated to the registration page "/register"

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

- An error message is displayed reading "Email address test@test.com is already registered in the system"

3.5 - Register Account: Password does not match password confirmation

- Author: Axel Nilsson
- Category: UC3

- Tester is not authenticated
- An account with the email "test@test.com" is not registered in the system.
- User has navigated to the registration page "/register"

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

- An error message is displayed reading "Passwords doesn't match"

3.6 - Register Account: Password is invalid

- Author: Axel Nilsson
- Category: UC3

- Tester is not authenticated
- An account with the email "test@test.com" is not registered in the system.

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
    a. pxRXh2PFoiXiwmC72LTmWjtUC6JEQkQBUXhbGl8KhVfVf31c4lKsS369tcuf8 SfXVakzDUIqbmHaMg0r6ZG3dSklmYVwpsZP82wFIsB1zChC0nNtT6ayyLIte Kwr1JKJdQSPgZtIj8nttAk5LTjKVjTPRLqWDTQ8pUF238KlReNRNYfApqGro4 vB1fYTw1wYpZwN9wQaJ7imZxMlqKThKfZUiCe6kbXhmAvFgurGIcl8zKVGQ ug6j3gzEVHcnnYe
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" 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

9. Click the link
10. Log into the system as the administrator
    a. Write email as "admin@admin.com"
    b. 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
    a. Write email matching the TEST_EMAIL
    b. 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" 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
9. Click the link
10. Log into the system as the super administrator
    a. Write email as "admin@admin.com"
    b. 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
    a. Write the TEST_EMAIL
    b. 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" 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
9. Click the link
10. Log into the system as the administrator
    a. Write email as "admin@admin.com"
    b. 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
    a. Write the TEST_EMAIL
    b. 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" 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".

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
   a. Write email as "admin@admin.com"
   b. 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
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" 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".

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
9. Click the link.
10. Log into the system as the super administrator
    a. Write email as "admin@admin.com"
    b. 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
    a. Write email matching the TEST_EMAIL
    b. 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"

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
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" is not registered in the system

Test Execution

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

- 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
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
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

- 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
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

- 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
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" is registered with password "my_password".
- Tester is authenticated with the account with email 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" with password "adminadmin" is already registered.

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
7. Open the email and click the link
8. Log in as the administrator
   a. Write email as admin@admin.com
   b. 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
    a. Write email as TEST_EMAIL
    b. 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" is registered with password "my_password".
- Tester is authenticated with the account with email 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
6. Open the email and click the link
7. Sign into the updated account
   a. Write email as TEST_EMAIL
   b. Write password as "my_password"

- 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" is registered with password "my_password".
- Tester is authenticated with the account with email 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" is registered with password "my_password".
- Tester is authenticated with the account with email 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

- 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" is registered with password "my_password".
- Another account with email "test2@test.com" is registered in the system
- Tester is authenticated with the account with email 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" is registered with password "my_password".
- Tester is authenticated with the account with email 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

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" is registered with password "my_password".
- ● Tester is authenticated with the account with email 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
   a. pxRXh2PFoiXiwmC72LTmWjtUC6JEQkQBUXhbGl8KhVfVf31c4IKsS369tcuf8
   SfXVakzDUIqbmHaMg0r6ZG3dSklmYVwpsZP82wFIsB1zChC0nNtT6ayyLlte
   Kwr1JKJdQSPgZtlj8nttAk5LTjKVjTPRLqWDTQ8pUF238KlReNRNYfApqGro4
   vB1fYTw1wYpZwN9wQaJ7imZxMlqKThKfZUiCe6kbXhmAvFgurGlcl8zKVGQ
   ug6j3gzEVHcnnYe
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" is registered with password "my_password".
- ● Tester is authenticated with the account with email test@test.com
- ● Tester has navigated to the My Account page at /user/account

5. Write old password as "my_password"
6. Write new password as "new_password"
7. Write new password confirmation as "mismatch_password"
8. 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" is registered with password "my_password".
● Tester is authenticated with the account with email test@test.com
● Tester has navigated to the My Account page at /user/account

Test Execution

9. Write old password as "wrong_password"
10. Write new password as "new_password"
11. Write new password confirmation as "new_password"
12. 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" is registered with password "my_password".
● Tester is authenticated with the account with email 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" 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
   a. Write email as admin@admin.com
   b. 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
    a. Write email as "test@test.com"
    b. 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" is registered with password "my_password".
● Tester is authenticated with the account with email test@test.com
● Tester has navigated to the My Account page at /user/account
● An global administrator with email "admin@admin.com" with password "adminadmin" is already registered.
● No user is registered with the organization "my_org"

Test Execution

11. Leave email as it is
12. Select the organization my_org
13. Click the save button
14. Log in as the administrator
    a. Write email as admin@admin.com
    b. Write password as adminadmin
15. Click the menu button
16. Click the Pending Registrations button.
17. Check the box next to the user with the email TEST_EMAIL
18. Click the approve button

19. Log out
20. Sign into the updated account
    a. Write email as "test@test.com"
    b. Write password as "my_password"

- 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" and password "adminadmin"
- A user is registered with the email "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 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 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" and password "adminadmin"
- A user is registered with the email "test@test.com"
- Tester is logged in as the administrator
- Tester has navigated to the members page /admin/members

1. Locate the user with email 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 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" and password "adminadmin"
- A administrator account is registered with the email "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 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 now has super administrative privileges.

7.2 - Remove administrative privileges: Undoes changes

- Author: Axel Nilsson
- Category: UC7

- A super administrator account is registered in the system. Email "admin@admin.com" and password "adminadmin"
- A administrator account is registered with the email "test@test.com"
- Tester is logged in as the super administrator
- Tester has navigated to the members page /admin/members

Test Execution

6. Locate the user with email test@test.com in the list
7. Click the drop down next to the email under access level
8. Click User
9. Click the save button
10. 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 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" and password "adminadmin"
- Another organization administrator for my_org is registered with the email "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 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 now only has user privileges.

8.1 - Add super administrative privileges

- Author: Axel Nilsson
- Category: UC8

- A super administrator is registered in the system. Email "admin@admin.com" and password "adminadmin"
- A user is registered with the email "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 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" and password "adminadmin"
- A user is registered with the email "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 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.

- 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" and password "adminadmin"
- Another super administrator is registered with the email "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 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.

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

- 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.

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

- 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

4. Find the event called My Event
5. Click the remove button
6. 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

- 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

- 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

2. 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

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

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

15.2 - Change Region: Show specific country

- Author: Axel Nilsson
- Category: UC15

- 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

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

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

15.3 - Change Region: Select province/region

- Author: Axel Nilsson
- Category: UC15

- 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

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"

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

- 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

- 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

1. Click the Map View button

● 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
   a. Set Number of Threads (users) to 10
   b. Set Ramp-Up Period (in seconds) to 1
   c. Set Loop-Count to forever
   d. Enable Scheduler by checking the box
   e. Set Duration (seconds) to 1200 (20 minutes)
3. Add Config Element -> HTTP Request Defaults to Thread Group
   a. Set server Name or IP to localhost
   b. Set Port Number to 8080
4. Add Sampler -> HTTP Request to Thread Group
   a. 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

Test Execution

1. Open JMeter
2. Add Thread Group to Test Plan
   a. Set Number of Threads (users) to 10000
   b. Set Ramp-Up Period (in seconds) to 10
   c. Leave loop count at 1
3. Add Config Element -> HTTP Request Defaults to Thread Group
   a. Set server Name or IP to localhost
   b. Set Port Number to 8080
4. Add Sampler -> HTTP Request to Thread Group
   a. 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
   a. Don't add anything in Body
4. Send the request
5. Set body to x-www-form-urlencoded and add the following pairs
   a. email: "test@test.com"
   b. password: "my_password"
   c. passwordConfirmation: "my_password"
   d. organization: ""
6. Send the request again

- 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 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

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.