Assignment. Creating test suites and cases

Based on use case test scenarios might be derived. One test scenario usually contains multiple test cases. During this exercise, you will create test cases based on given use case and test scenarios. Do **NOT** use AI to generate test cases, since you won't learn much from that.

Define test cases. Each test case is worth 1 point, so to get maximum number of points, you should define at least 10 different test cases under test scenarios.

Use case and acceptance criteria is as follows.

Add a title *

> As a new GitHub user, I want to create an account so that I can access the platform and use its features

Add a description

| Write | Preview |
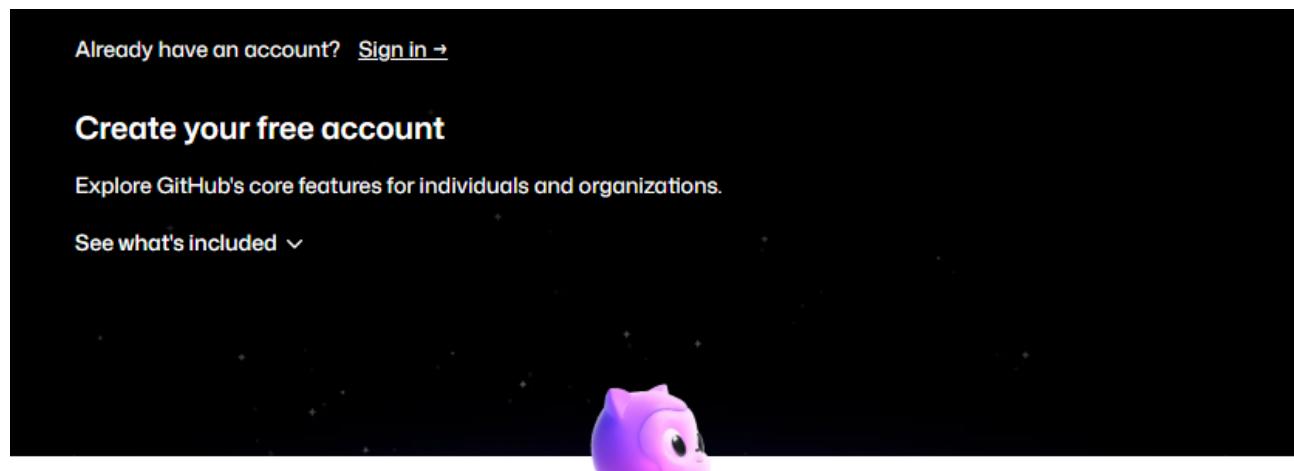
Acceptance criteria

The user can sign up using email, password, username and country region.

- Email must be unique and valid
- Username must be available
- Password must meet security requirements
- Country/region must be selected from predefined list

After successful sign up user received confirmation that the account is created, user is automatically redirected to sign-in screen.

UI created for the sign up is illustrated on the next page.

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Already have an account? Sign in →

Create your free account

Explore GitHub's core features for individuals and organizations.

See what's included ∨

Sign up for GitHub

G Continue with Google

 Continue with Apple

or

Email*

Email

Password*

Password

Password should be at least 15 characters OR at least 8 characters including a number and a lowercase letter.

Username*

Username

Username may only contain alphanumeric characters or single hyphens, and cannot begin or end with a hyphen.

Your Country/Region*

Finland ∨

For compliance reasons, we're required to collect country information to send you occasional updates and announcements.

Email preferences

☐ Receive occasional product updates and announcements

Create account ›

Create multiple test cases for following scenarios. There is already one example of a test case which can you as a template and copy the table multiple times below test scenarios.

1. Successful account creation

Test scenario: Successful account creation	
ID	001
Description	Sign up using valid email, username, password and country
Steps	1. Go to Github's sign up page 2. Enter valid email 3. Enter valid password 4. Select country/region 5. Submit form 6. Confirm email via verification link
Preconditions	The email address and username must be ones that have not been used for Github registration before.
Test data	Information used with sign up (valid email, password, username and country/region)
Expected result	Account is created successfully

Test scenario: Successful account creation	
ID	001
Description	Sign up using valid email, username, password and country
Steps	1. Go to Github's sign up page 2. Enter valid email 3. Enter valid password 4. Select country/region 5. Submit form 6. Confirm email via verification link
Preconditions	The email address and username must be ones that have not been used for Github registration before.
Test data	Information used with sign up (valid email, password, username and country/region)
Expected result	Account is created successfully

Test scenario: Successful account creation	
ID	002
Description	Rekisteröityminen pitkällä salasanalla, ilman numeroita
Steps	1. Mene githubin rekisteröitymissivustolle. 2. Syötä toimiva sähköposti. 3. Syötä salasanaksi yli 15 merkkiä. (tassaonpitkasalasanani) 4. Syötä käyttäjänimi. 5. Valitse maa listalta. 6. Lähetä lomake
Preconditions	Sähköposti ja käyttäjänimi ovat vapaita.
Test data	Sähköposti: kayttaja22@esimerkki.com, Salasana:tassaonpitkasalasanani

	Käyttäjätunnus: kayttajakakskytkaks Maa:Suomi
Expected result	Tili luodaan onnistuneesti.

2. Invalid or missing input data

Test scenario: Invalid or missing input data	
ID	002
Description	Virheellinen tai puuttuva tieto
Steps	1. (right click number and select restart numbering if this is not 1) 2.
Preconditions	x.
Test data	x
Expected result	x

3. Email or username conflicts

Test scenario: Email or username conflicts	
ID	002
Description	Virheellinen tai puuttuva tieto
Steps	3. (right click number and select restart numbering if this is not 1) 4.
Preconditions	x.
Test data	x

Expected result	x

ID	002
Description	Virheellinen tai puuttuva tieto
Steps	5. (right click number and select restart numbering if this is not 1) 6.
Preconditions	x.
Test data	x
Expected result	x

ID	002
Description	Virheellinen tai puuttuva tieto
Steps	7. (right click number and select restart numbering if this is not 1) 8.
Preconditions	x.
Test data	x
Expected result	x

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ID	002
Description	Virheellinen tai puuttuva tieto
Steps	9. (right click number and select restart numbering if this is not 1) 10.
Preconditions	x.
Test data	x
Expected result	x

ID	002
Description	Virheellinen tai puuttuva tieto
Steps	11.(right click number and select restart numbering if this is not 1) 12.
Preconditions	x.
Test data	x
Expected result	x

ID	002
Description	Virheellinen tai puuttuva tieto
Steps	13.(right click number and select restart numbering if this is not 1) 14.
Preconditions	x.
Test data	x
Expected result	x

ID	002
Description	Virheellinen tai puuttuva tieto
Steps	15.(right click number and select restart numbering if this is not 1) 16.
Preconditions	x.
Test data	x
Expected result	x

ID	002
Description	Virheellinen tai puuttuva tieto
Steps	17.(right click number and select restart numbering if this is not 1) 18.
Preconditions	x.
Test data	x
Expected result	x

ID	002
Description	Virheellinen tai puuttuva tieto
Steps	19.(right click number and select restart numbering if this is not 1) 20.
Preconditions	x.
Test data	x
Expected result	x