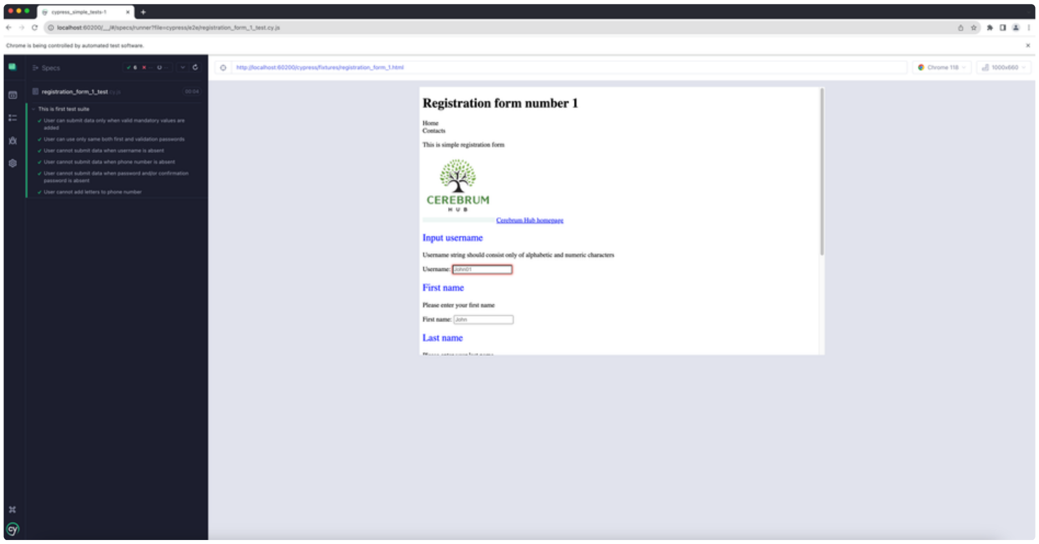
Kristin_Raudberg

- Assignment 1
- Assignment 2
- Assignment 3
- Assignment 4&5
- Assignment 6

Assignment 1

✓ *Prepare your local workplace.*



localhost:60200/__/#/specs/runner?file=cypress/e2e/registration_form_1_test.cy.js

Chrome is being controlled by automated test software.

registration_form_1_test.cy.js

This is first test suite

- ✓ User can submit data only when valid mandatory values are added
- ✓ User can use only same both first and validation passwords
- ✓ User cannot submit data when username is absent
- ✓ User cannot submit data when phone number is absent
- ✓ User cannot submit data when password and/or confirmation password is absent
- ✓ User cannot add letters to phone number

http://localhost:60200/cypress/fixtures/registration_form_1.html

Registration form number 1

Home
Contacts

This is simple registration form

Cerebrum Hub homepage

Input username

Username string should consist only of alphabetic and numeric characters

Username: John01

First name

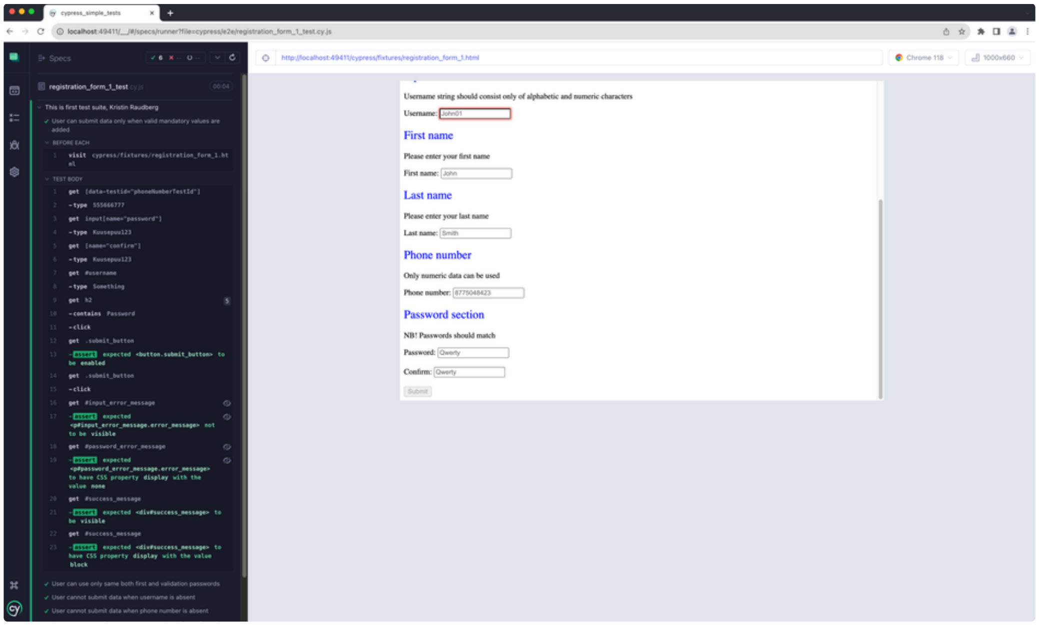
Please enter your first name

First name: John

Last name

Assignment 2

✓ *Update tests for registration form 1.*


cypress_simple_tests
localhost:49411/__/#/specs/runner?file=cypress/e2e/registration_form_1_test.cy.js
Specs
✓ 6 ✕ -- ○ --
registration_form_1_test.cy.js
00:04
http://localhost:49411/cypress/fixtures/registration_form_1.html
Chrome 118
1000x660
BEFORE EACH
TEST BODY
Submit

```
This is first test suite, Kristin Raudberg
✓ User can submit data only when valid mandatory values are added
  BEFORE EACH
  visit cypress/fixtures/registration_form_1.html
  TEST BODY
  get [data-testid="phoneNumberTestId"]
  -type 555666777
  get input[name="password"]
  -type Kuusepuu123
  get [name="confirm"]
  -type Kuusepuu123
  get #username
  -type Something
  get h2
  -contains Password
  -click
  get .submit_button
  -assert expected <button.submit_button> to be enabled
  get .submit_button
  -click
  get #input_error_message
  -assert expected <p#input_error_message.error_message> not to be visible
  get #password_error_message
  -assert expected <p#password_error_message.error_message> to have CSS property display with the value none
  get #success_message
  -assert expected <div#success_message> to be visible
  get #success_message
  -assert expected <div#success_message> to have CSS property display with the value block
✓ User can use only same both first and validation passwords
✓ User cannot submit data when username is absent
✓ User cannot submit data when phone number is absent
```

Username string should consist only of alphabetic and numeric characters

Username: John01

First name

Please enter your first name

First name: John

Last name

Please enter your last name

Last name: Smith

Phone number

Only numeric data can be used

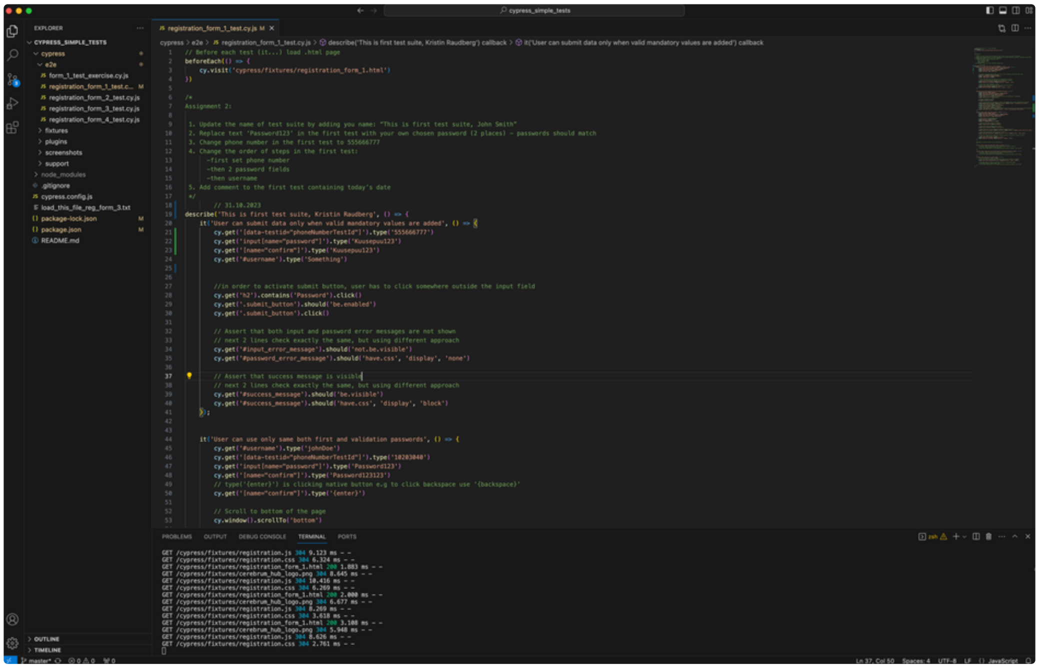
Phone number: 8775048423

Password section

NB! Passwords should match

Password: Qwerty

Confirm: Qwerty


cypress_simple_tests
EXPLORER
CYPRESS_SIMPLE_TESTS
cypress
e2e
form_1_test_exercise.cy.js
registration_form_1_test.c... M
registration_form_2_test.cy.js
registration_form_3_test.cy.js
registration_form_4_test.cy.js
fixtures
plugins
screenshots
support
node_modules
.gitignore
cypress.config.js
load_this_file_reg_form_3.txt
package-lock.json M
package.json M
README.md
OUTLINE
TIMELINE
registration_form_1_test.cy.js M
cypress > e2e > registration_form_1_test.cy.js > describe('This is first test suite, Kristin Raudberg') callback > it('User can submit data only when valid mandatory values are added') callback
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
master*
Ln 37, Col 50
Spaces: 4
UTF-8
LF
JavaScript

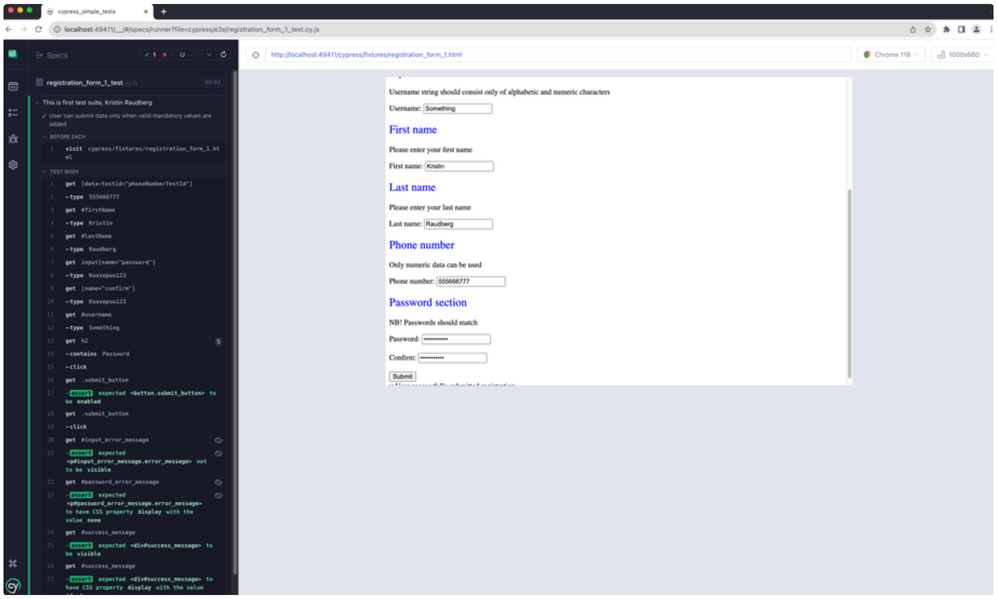
```javascript
// Before each test (it...) load .html page
beforeEach(() => {
    cy.visit('cypress/fixtures/registration_form_1.html')
})

/*
Assignment 2:

 1. Update the name of test suite by adding you name: "This is first test suite, John Smith"
 2. Replace text 'Password123' in the first test with your own chosen password (2 places) - passwords should match
 3. Change phone number in the first test to 555666777
 4. Change the order of steps in the first test:
      -first set phone number
      -then 2 password fields
      -then username
 5. Add comment to the first test containing today's date
 */
        // 31.10.2023
describe('This is first test suite, Kristin Raudberg', () => {
    it('User can submit data only when valid mandatory values are added', () => {
        cy.get('[data-testid="phoneNumberTestId"]').type('555666777')
        cy.get('input[name="password"]').type('Kuusepuu123')
        cy.get('[name="confirm"]').type('Kuusepuu123')
        cy.get('#username').type('Something')


        //in order to activate submit button, user has to click somewhere outside the input field
        cy.get('h2').contains('Password').click()
        cy.get('.submit_button').should('be.enabled')
        cy.get('.submit_button').click()

        // Assert that both input and password error messages are not shown
        // next 2 lines check exactly the same, but using different approach
        cy.get('#input_error_message').should('not.be.visible')
        cy.get('#password_error_message').should('have.css', 'display', 'none')

        // Assert that success message is visible
        // next 2 lines check exactly the same, but using different approach
        cy.get('#success_message').should('be.visible')
        cy.get('#success_message').should('have.css', 'display', 'block')
    });


    it('User can use only same both first and validation passwords', () => {
        cy.get('#username').type('johnDoe')
        cy.get('[data-testid="phoneNumberTestId"]').type('10203040')
        cy.get('input[name="password"]').type('Password123')
        cy.get('[name="confirm"]').type('Password123123')
        // type('{enter}') is clicking native button e.g to click backspace use '{backspace}'
        cy.get('[name="confirm"]').type('{enter}')

        // Scroll to bottom of the page
        cy.window().scrollTo('bottom')
```

```
GET /cypress/fixtures/registration.js 304 9.123 ms - -
GET /cypress/fixtures/registration.css 304 6.324 ms - -
GET /cypress/fixtures/registration_form_1.html 200 1.883 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 8.645 ms - -
GET /cypress/fixtures/registration.js 304 10.416 ms - -
GET /cypress/fixtures/registration.css 304 6.269 ms - -
GET /cypress/fixtures/registration_form_1.html 200 2.000 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 6.677 ms - -
GET /cypress/fixtures/registration.js 304 8.269 ms - -
GET /cypress/fixtures/registration.css 304 3.618 ms - -
GET /cypress/fixtures/registration_form_1.html 200 3.108 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 5.948 ms - -
GET /cypress/fixtures/registration.js 304 8.626 ms - -
GET /cypress/fixtures/registration.css 304 2.761 ms - -
```

Assignment 3

✓ *Create new tests for registration form 1.*

⌄ 1.-2. User can submit data only when valid mandatory values are added


cypress_simple_tests
localhost:49411/__/#/specs/runner?file=cypress/e2e/registration_form_1_test.cy.js
Specs
✓ 1 ✕ -- ○ --
http://localhost:49411/cypress/fixtures/registration_form_1.html
Chrome 118
1000x660
registration_form_1_test.cy.js
00:02

This is first test suite, Kristin Raudberg

✓ User can submit data only when valid mandatory values are added

BEFORE EACH

```
visit  cypress/fixtures/registration_form_1.html
```

TEST BODY

```
get  [data-testid="phoneNumberTestId"]
-type  555666777
get  #firstName
-type  Kristin
get  #lastName
-type  Raudberg
get  input[name="password"]
-type  Kuusepuu123
get  [name="confirm"]
-type  Kuusepuu123
get  #username
-type  Something
get  h2
-contains  Password
-click
get  .submit_button
-assert  expected <button.submit_button> to be enabled
get  .submit_button
-click
get  #input_error_message
-assert  expected <p#input_error_message.error_message> not to be visible
get  #password_error_message
-assert  expected <p#password_error_message.error_message> to have CSS property display with the value none
get  #success_message
-assert  expected <div#success_message> to be visible
get  #success_message
-assert  expected <div#success_message> to have CSS property display with the value
```

Username string should consist only of alphabetic and numeric characters

Username: Something

First name

Please enter your first name

First name: Kristin

Last name

Please enter your last name

Last name: Raudberg

Phone number

Only numeric data can be used

Phone number: 555666777

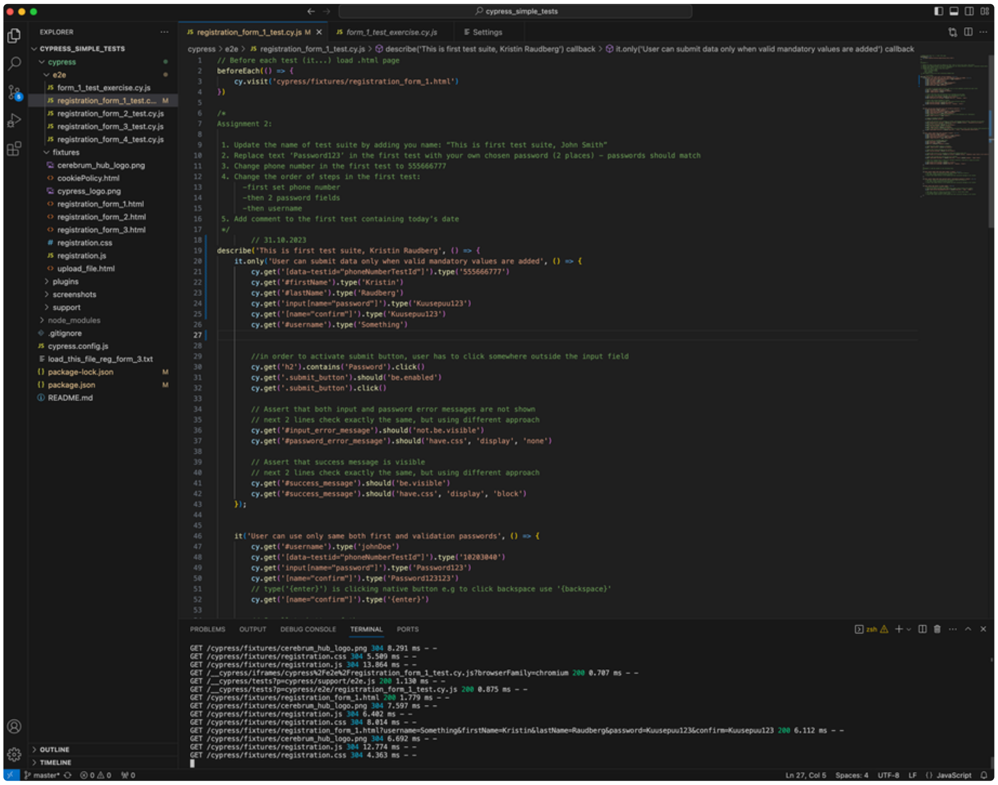
Password section

NB! Passwords should match

Password: ••••••••••••

Confirm: ••••••••••••

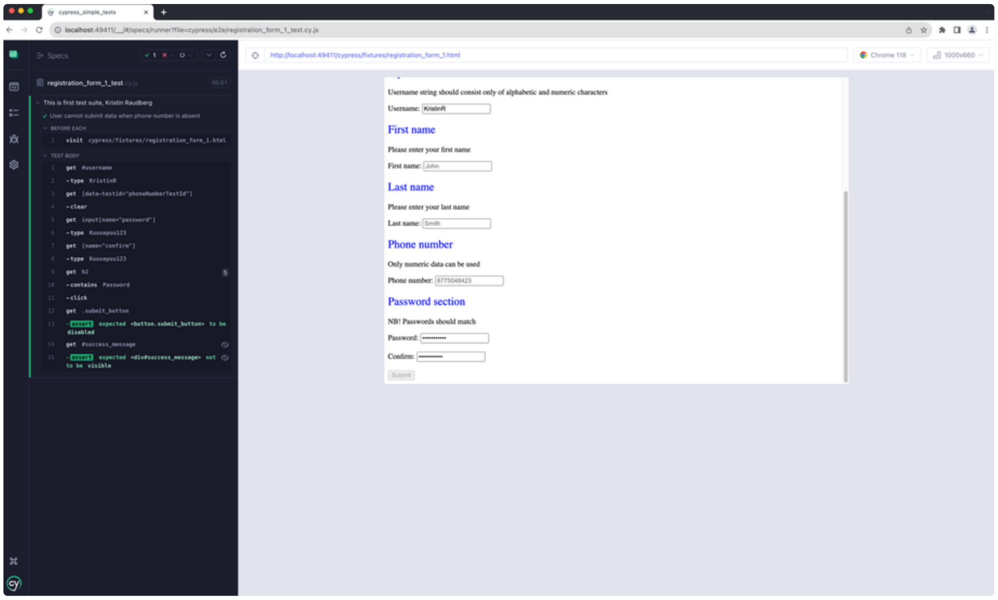
Submit



```javascript
// Before each test (it...) load .html page
beforeEach(() => {
    cy.visit('cypress/fixtures/registration_form_1.html')
})

/*
Assignment 2:

 1. Update the name of test suite by adding you name: "This is first test suite, John Smith"
 2. Replace text 'Password123' in the first test with your own chosen password (2 places) - passwords should match
 3. Change phone number in the first test to 555666777
 4. Change the order of steps in the first test:
      -first set phone number
      -then 2 password fields
      -then username
 5. Add comment to the first test containing today's date
 */
        // 31.10.2023
describe('This is first test suite, Kristin Raudberg', () => {
    it.only('User can submit data only when valid mandatory values are added', () => {
        cy.get('[data-testid="phoneNumberTestId"]').type('555666777')
        cy.get('#firstName').type('Kristin')
        cy.get('#lastName').type('Raudberg')
        cy.get('input[name="password"]').type('Kuusepuu123')
        cy.get('[name="confirm"]').type('Kuusepuu123')
        cy.get('#username').type('Something')


        //in order to activate submit button, user has to click somewhere outside the input field
        cy.get('h2').contains('Password').click()
        cy.get('.submit_button').should('be.enabled')
        cy.get('.submit_button').click()

        // Assert that both input and password error messages are not shown
        // next 2 lines check exactly the same, but using different approach
        cy.get('#input_error_message').should('not.be.visible')
        cy.get('#password_error_message').should('have.css', 'display', 'none')

        // Assert that success message is visible
        // next 2 lines check exactly the same, but using different approach
        cy.get('#success_message').should('be.visible')
        cy.get('#success_message').should('have.css', 'display', 'block')
    });


    it('User can use only same both first and validation passwords', () => {
        cy.get('#username').type('johnDoe')
        cy.get('[data-testid="phoneNumberTestId"]').type('10203040')
        cy.get('input[name="password"]').type('Password123')
        cy.get('[name="confirm"]').type('Password123123')
        // type('{enter}') is clicking native button e.g to click backspace use '{backspace}'
        cy.get('[name="confirm"]').type('{enter}')

```

```
GET /cypress/fixtures/cerebrum_hub_logo.png 304 8.291 ms - -
GET /cypress/fixtures/registration.css 304 5.509 ms - -
GET /cypress/fixtures/registration.js 304 13.864 ms - -
GET /__cypress/iframes/cypress%2Fe2e%2Fregistration_form_1_test.cy.js?browserFamily=chromium 200 0.707 ms - -
GET /__cypress/tests?p=cypress/support/e2e.js 200 1.130 ms - -
GET /__cypress/tests?p=cypress/e2e/registration_form_1_test.cy.js 200 0.875 ms - -
GET /cypress/fixtures/registration_form_1.html 200 1.779 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 7.597 ms - -
GET /cypress/fixtures/registration.js 304 6.402 ms - -
GET /cypress/fixtures/registration.css 304 8.014 ms - -
GET /cypress/fixtures/registration_form_1.html?username=Something&firstName=Kristin&lastName=Raudberg&password=Kuusepuu123&confirm=Kuusepuu123 200 6.112 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 6.692 ms - -
GET /cypress/fixtures/registration.js 304 12.774 ms - -
GET /cypress/fixtures/registration.css 304 4.363 ms - -
```

3. User cannot submit data when phone number is absent


cypress_simple_tests
localhost:49411/__/#/specs/runner?file=cypress/e2e/registration_form_1_test.cy.js
Specs
registration_form_1_test.cy.js
00:01
http://localhost:49411/cypress/fixtures/registration_form_1.html
Chrome 118
1000x660
Submit

This is first test suite, Kristin Raudberg

✓ User cannot submit data when phone number is absent

```
BEFORE EACH
1  visit  cypress/fixtures/registration_form_1.html
TEST BODY
1  get  #username
2  -type  KristinR
3  get  [data-testid="phoneNumberTestId"]
4  -clear
5  get  input[name="password"]
6  -type  Kuusepuu123
7  get  [name="confirm"]
8  -type  Kuusepuu123
9  get  h2
10 -contains  Password
11 -click
12 get  .submit_button
13 -assert  expected <button.submit_button> to be disabled
14 get  #success_message
15 -assert  expected <div#success_message> not to be visible
```

Username string should consist only of alphabetic and numeric characters

Username: KristinR

First name

Please enter your first name

First name: John

Last name

Please enter your last name

Last name: Smith

Phone number

Only numeric data can be used

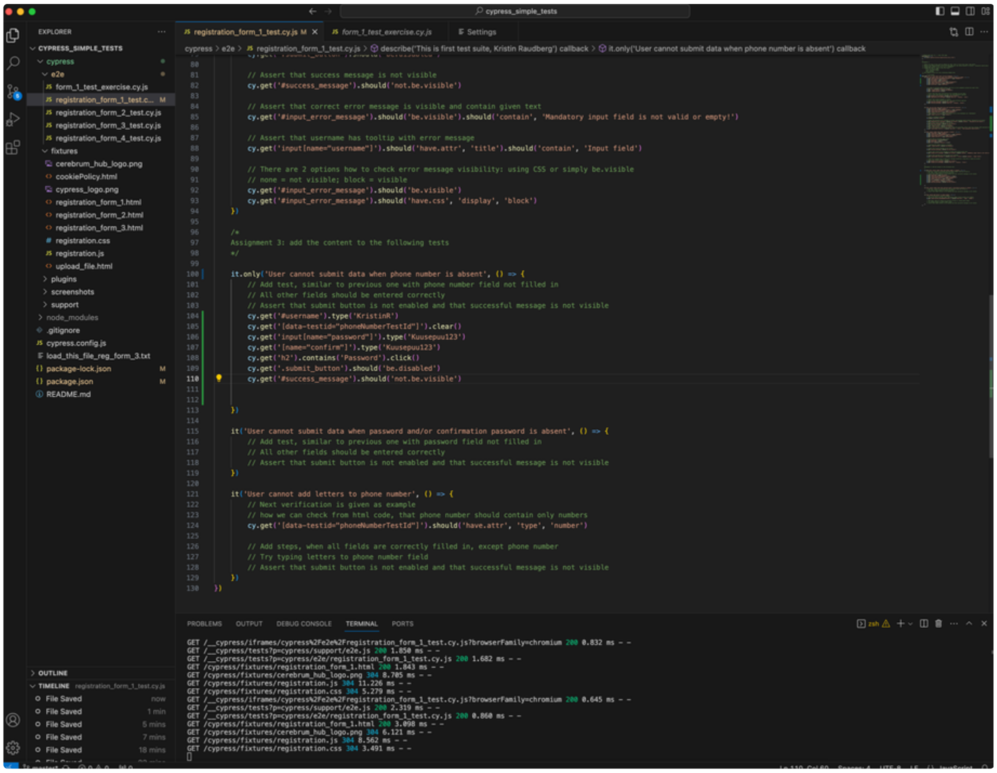
Phone number: 8775048423

Password section

NB! Passwords should match

Password: ••••••••••••

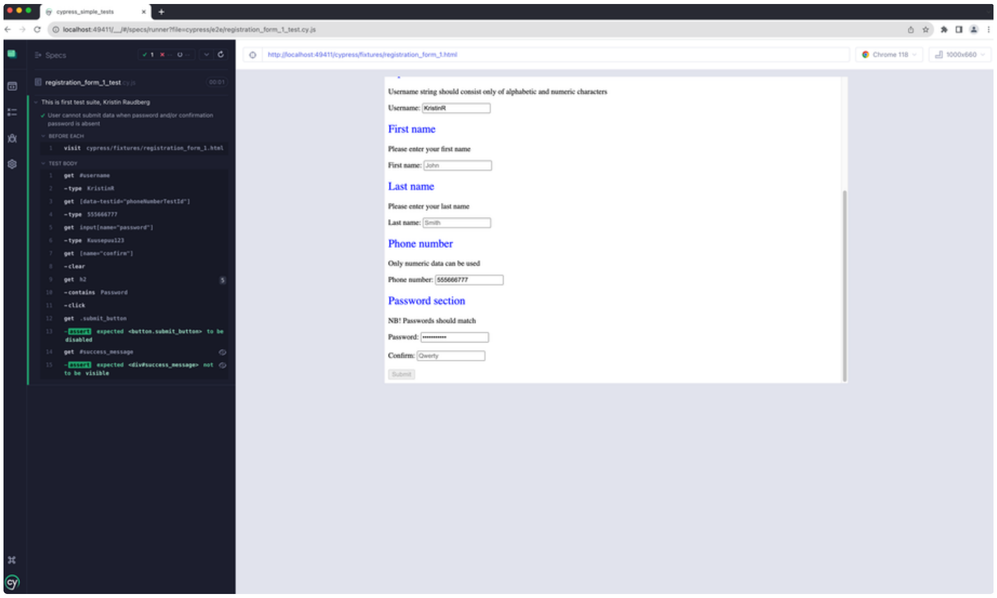
Confirm: ••••••••••••


cypress_simple_tests
registration_form_1_test.cy.js M
form_1_test_exercise.cy.js
Settings
cypress > e2e > registration_form_1_test.cy.js > describe('This is first test suite, Kristin Raudberg') callback > it.only('User cannot submit data when phone number is absent') callback
EXPLORER
CYPRESS_SIMPLE_TESTS
cypress
e2e
form_1_test_exercise.cy.js
registration_form_1_test.c...
registration_form_2_test.cy.js
registration_form_3_test.cy.js
registration_form_4_test.cy.js
fixtures
cerebrum_hub_logo.png
cookiePolicy.html
cypress_logo.png
registration_form_1.html
registration_form_2.html
registration_form_3.html
registration.css
registration.js
upload_file.html
plugins
screenshots
support
node_modules
.gitignore
cypress.config.js
load_this_file_reg_form_3.txt
package-lock.json
package.json
README.md
OUTLINE
TIMELINE
File Saved
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS

```
        // Assert that success message is not visible
        cy.get('#success_message').should('not.be.visible')

        // Assert that correct error message is visible and contain given text
        cy.get('#input_error_message').should('be.visible').should('contain', 'Mandatory input field is not valid or empty!')

        // Assert that username has tooltip with error message
        cy.get('input[name="username"]').should('have.attr', 'title').should('contain', 'Input field')

        // There are 2 options how to check error message visibility: using CSS or simply be.visible
        // none = not visible; block = visible
        cy.get('#input_error_message').should('be.visible')
        cy.get('#input_error_message').should('have.css', 'display', 'block')
    })

    /*
    Assignment 3: add the content to the following tests
    */

    it.only('User cannot submit data when phone number is absent', () => {
        // Add test, similar to previous one with phone number field not filled in
        // All other fields should be entered correctly
        // Assert that submit button is not enabled and that successful message is not visible
        cy.get('#username').type('KristinR')
        cy.get('[data-testid="phoneNumberTestId"]').clear()
        cy.get('input[name="password"]').type('Kuusepuu123')
        cy.get('[name="confirm"]').type('Kuusepuu123')
        cy.get('h2').contains('Password').click()
        cy.get('.submit_button').should('be.disabled')
        cy.get('#success_message').should('not.be.visible')


    })

    it('User cannot submit data when password and/or confirmation password is absent', () => {
        // Add test, similar to previous one with password field not filled in
        // All other fields should be entered correctly
        // Assert that submit button is not enabled and that successful message is not visible
    })

    it('User cannot add letters to phone number', () => {
        // Next verification is given as example
        // how we can check from html code, that phone number should contain only numbers
        cy.get('[data-testid="phoneNumberTestId"]').should('have.attr', 'type', 'number')

        // Add steps, when all fields are correctly filled in, except phone number
        // Try typing letters to phone number field
        // Assert that submit button is not enabled and that successful message is not visible
    })
})
```

```
GET /__cypress/iframes/cypress%2Fe2e%2Fregistration_form_1_test.cy.js?browserFamily=chromium 200 0.832 ms - -
GET /__cypress/tests?p=cypress/support/e2e.js 200 1.850 ms - -
GET /__cypress/tests?p=cypress/e2e/registration_form_1_test.cy.js 200 1.682 ms - -
GET /cypress/fixtures/registration_form_1.html 200 1.843 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 8.705 ms - -
GET /cypress/fixtures/registration.js 304 11.226 ms - -
GET /cypress/fixtures/registration.css 304 5.279 ms - -
GET /__cypress/iframes/cypress%2Fe2e%2Fregistration_form_1_test.cy.js?browserFamily=chromium 200 0.645 ms - -
GET /__cypress/tests?p=cypress/support/e2e.js 200 2.319 ms - -
GET /__cypress/tests?p=cypress/e2e/registration_form_1_test.cy.js 200 0.860 ms - -
GET /cypress/fixtures/registration_form_1.html 200 3.098 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 6.121 ms - -
GET /cypress/fixtures/registration.js 304 8.562 ms - -
GET /cypress/fixtures/registration.css 304 3.491 ms - -
```

4. User cannot submit data when conformation password is absent


cypress_simple_tests
localhost:49411/__/#/specs/runner?file=cypress/e2e/registration_form_1_test.cy.js
Specs
registration_form_1_test.cy.js
00:01
http://localhost:49411/cypress/fixtures/registration_form_1.html
Chrome 118
1000x660

This is first test suite, Kristin Raudberg

✓ User cannot submit data when password and/or confirmation password is absent

BEFORE EACH

```
1  visit  cypress/fixtures/registration_form_1.html
```

TEST BODY

```
1  get  #username
2  -type  KristinR
3  get  [data-testid="phoneNumberTestId"]
4  -type  555666777
5  get  input[name="password"]
6  -type  Kuusepuu123
7  get  [name="confirm"]
8  -clear
9  get  h2
10 -contains  Password
11 -click
12 get  .submit_button
13 -assert  expected <button.submit_button> to be disabled
14 get  #success_message
15 -assert  expected <div#success_message> not to be visible
```

Username string should consist only of alphabetic and numeric characters

Username: KristinR

First name

Please enter your first name

First name: John

Last name

Please enter your last name

Last name: Smith

Phone number

Only numeric data can be used

Phone number: 555666777

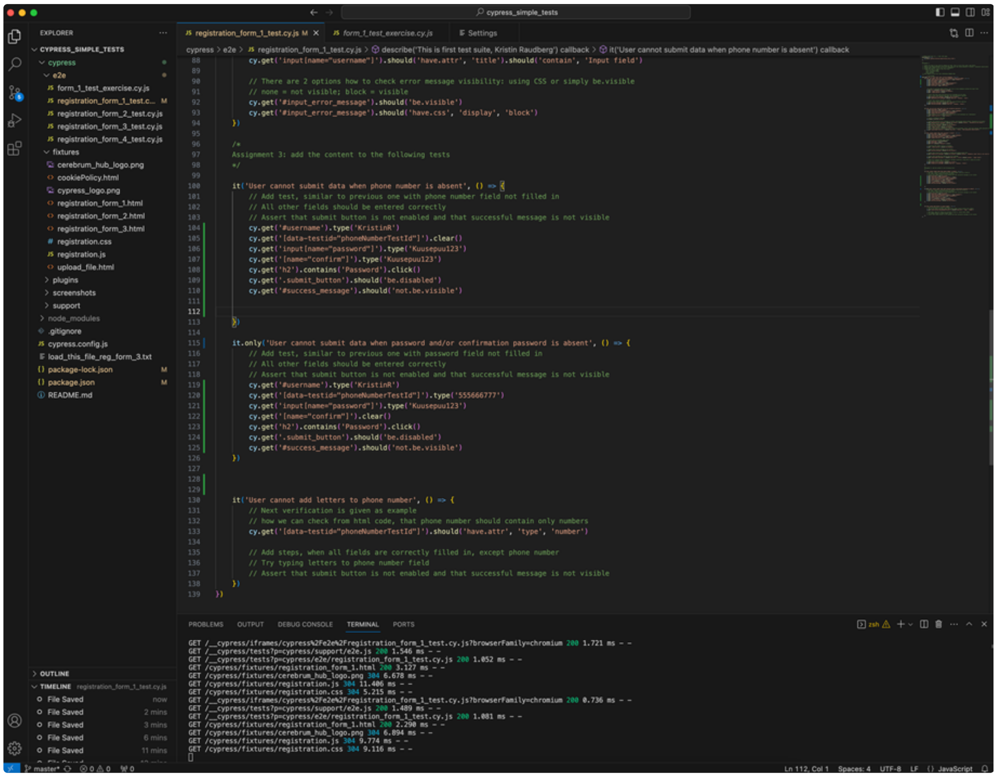
Password section

NB! Passwords should match

Password: •••••••••••

Confirm: Qwerty

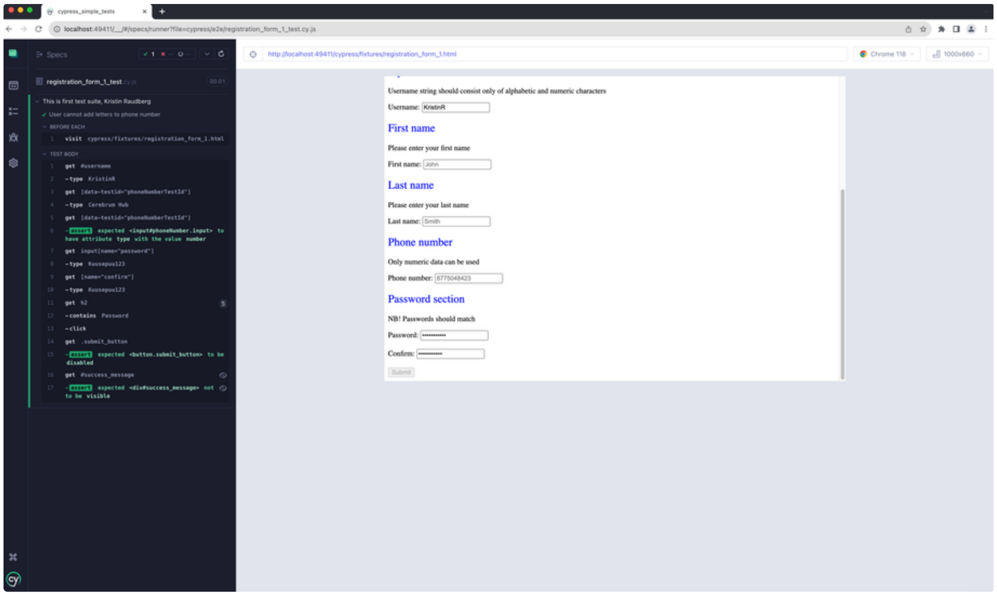
Submit



```
        cy.get('input[name="username"]').should('have.attr', 'title').should('contain', 'Input field')

        // There are 2 options how to check error message visibility: using CSS or simply be.visible
        // none = not visible; block = visible
        cy.get('#input_error_message').should('be.visible')
        cy.get('#input_error_message').should('have.css', 'display', 'block')
    })

    /*
    Assignment 3: add the content to the following tests
    */

    it('User cannot submit data when phone number is absent', () => {
        // Add test, similar to previous one with phone number field not filled in
        // All other fields should be entered correctly
        // Assert that submit button is not enabled and that successful message is not visible
        cy.get('#username').type('KristinR')
        cy.get('[data-testid="phoneNumberTestId"]').clear()
        cy.get('input[name="password"]').type('Kuusepuu123')
        cy.get('[name="confirm"]').type('Kuusepuu123')
        cy.get('h2').contains('Password').click()
        cy.get('.submit_button').should('be.disabled')
        cy.get('#success_message').should('not.be.visible')


    })

    it.only('User cannot submit data when password and/or confirmation password is absent', () => {
        // Add test, similar to previous one with password field not filled in
        // All other fields should be entered correctly
        // Assert that submit button is not enabled and that successful message is not visible
        cy.get('#username').type('KristinR')
        cy.get('[data-testid="phoneNumberTestId"]').type('555666777')
        cy.get('input[name="password"]').type('Kuusepuu123')
        cy.get('[name="confirm"]').clear()
        cy.get('h2').contains('Password').click()
        cy.get('.submit_button').should('be.disabled')
        cy.get('#success_message').should('not.be.visible')
    })



    it('User cannot add letters to phone number', () => {
        // Next verification is given as example
        // how we can check from html code, that phone number should contain only numbers
        cy.get('[data-testid="phoneNumberTestId"]').should('have.attr', 'type', 'number')

        // Add steps, when all fields are correctly filled in, except phone number
        // Try typing letters to phone number field
        // Assert that submit button is not enabled and that successful message is not visible
    })
})
```

```
GET /__cypress/iframes/cypress%2Fe2e%2Fregistration_form_1_test.cy.js?browserFamily=chromium 200 1.721 ms - -
GET /__cypress/tests?p=cypress/support/e2e.js 200 1.546 ms - -
GET /__cypress/tests?p=cypress/e2e/registration_form_1_test.cy.js 200 1.052 ms - -
GET /cypress/fixtures/registration_form_1.html 200 3.127 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 6.678 ms - -
GET /cypress/fixtures/registration.js 304 11.406 ms - -
GET /cypress/fixtures/registration.css 304 5.215 ms - -
GET /__cypress/iframes/cypress%2Fe2e%2Fregistration_form_1_test.cy.js?browserFamily=chromium 200 0.736 ms - -
GET /__cypress/tests?p=cypress/support/e2e.js 200 1.489 ms - -
GET /__cypress/tests?p=cypress/e2e/registration_form_1_test.cy.js 200 1.081 ms - -
GET /cypress/fixtures/registration_form_1.html 200 2.298 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 6.894 ms - -
GET /cypress/fixtures/registration.js 304 9.774 ms - -
GET /cypress/fixtures/registration.css 304 9.116 ms - -
```

5. User cannot add letters to phone number


cypress_simple_tests
localhost:49411/__/#/specs/runner?file=cypress/e2e/registration_form_1_test.cy.js
Specs
registration_form_1_test.cy.js
00:01
http://localhost:49411/cypress/fixtures/registration_form_1.html
Chrome 118
1000x660

This is first test suite, Kristin Raudberg

✓ User cannot add letters to phone number

BEFORE EACH

```
1  visit  cypress/fixtures/registration_form_1.html
```

TEST BODY

```
1  get  #username
2  -type  KristinR
3  get  [data-testid="phoneNumberTestId"]
4  -type  Cerebrum Hub
5  get  [data-testid="phoneNumberTestId"]
6  -assert  expected <input#phoneNumber.input> to have attribute type with the value number
7  get  input[name="password"]
8  -type  Kuusepuu123
9  get  [name="confirm"]
10 -type  Kuusepuu123
11 get  h2
12 -contains  Password
13 -click
14 get  .submit_button
15 -assert  expected <button.submit_button> to be disabled
16 get  #success_message
17 -assert  expected <div#success_message> not to be visible
```

Username string should consist only of alphabetic and numeric characters

Username: KristinR

First name

Please enter your first name

First name: John

Last name

Please enter your last name

Last name: Smith

Phone number

Only numeric data can be used

Phone number: 8775048423

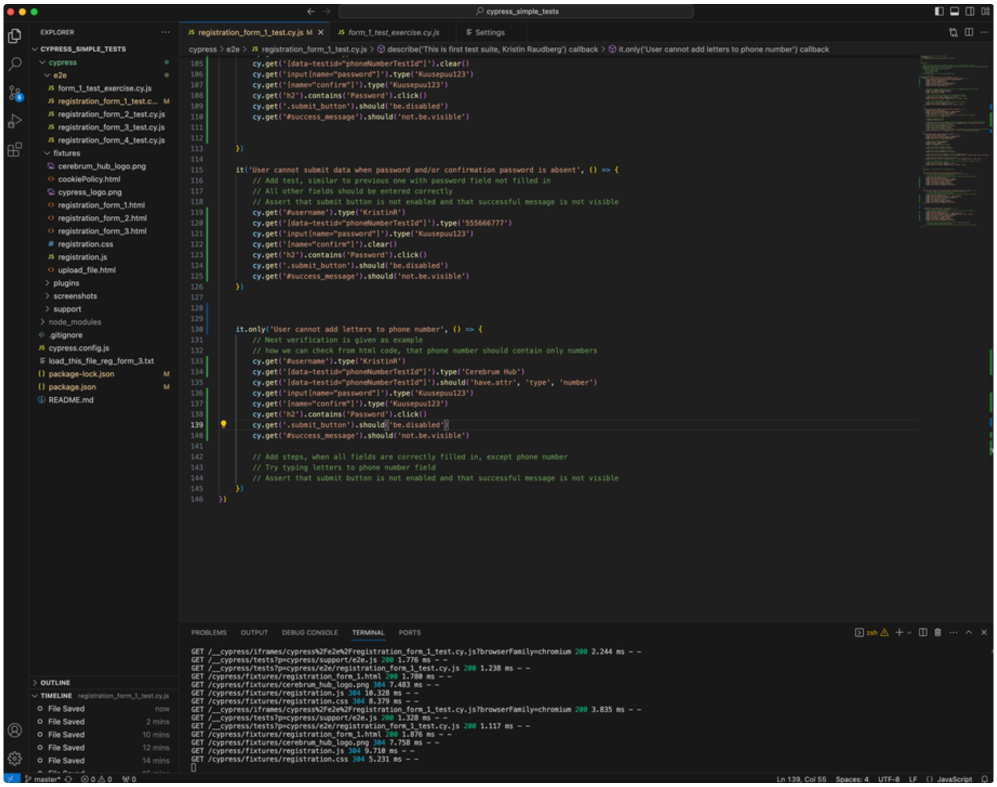
Password section

NB! Passwords should match

Password: ••••••••••••

Confirm: ••••••••••••

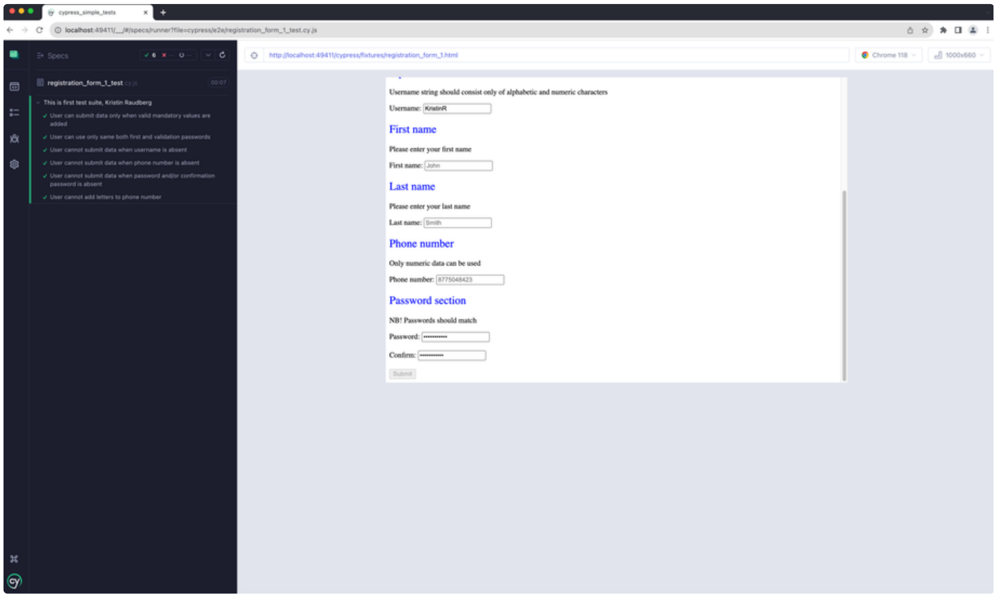
Submit



```javascript
        cy.get('[data-testid="phoneNumberTestId"]').clear()
        cy.get('input[name="password"]').type('Kuusepuu123')
        cy.get('[name="confirm"]').type('Kuusepuu123')
        cy.get('h2').contains('Password').click()
        cy.get('.submit_button').should('be.disabled')
        cy.get('#success_message').should('not.be.visible')


    })

    it('User cannot submit data when password and/or confirmation password is absent', () => {
        // Add test, similar to previous one with password field not filled in
        // All other fields should be entered correctly
        // Assert that submit button is not enabled and that successful message is not visible
        cy.get('#username').type('KristinR')
        cy.get('[data-testid="phoneNumberTestId"]').type('555666777')
        cy.get('input[name="password"]').type('Kuusepuu123')
        cy.get('[name="confirm"]').clear()
        cy.get('h2').contains('Password').click()
        cy.get('.submit_button').should('be.disabled')
        cy.get('#success_message').should('not.be.visible')
    })



    it.only('User cannot add letters to phone number', () => {
        // Next verification is given as example
        // how we can check from html code, that phone number should contain only numbers
        cy.get('#username').type('KristinR')
        cy.get('[data-testid="phoneNumberTestId"]').type('Cerebrum Hub')
        cy.get('[data-testid="phoneNumberTestId"]').should('have.attr', 'type', 'number')
        cy.get('input[name="password"]').type('Kuusepuu123')
        cy.get('[name="confirm"]').type('Kuusepuu123')
        cy.get('h2').contains('Password').click()
        cy.get('.submit_button').should('be.disabled')
        cy.get('#success_message').should('not.be.visible')

        // Add steps, when all fields are correctly filled in, except phone number
        // Try typing letters to phone number field
        // Assert that submit button is not enabled and that successful message is not visible
    })
})
```

```
GET /__cypress/iframes/cypress%2Fe2e%2Fregistration_form_1_test.cy.js?browserFamily=chromium 200 2.244 ms - -
GET /__cypress/tests?p=cypress/support/e2e.js 200 1.776 ms - -
GET /__cypress/tests?p=cypress/e2e/registration_form_1_test.cy.js 200 1.238 ms - -
GET /cypress/fixtures/registration_form_1.html 200 1.780 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 7.483 ms - -
GET /cypress/fixtures/registration.js 304 10.328 ms - -
GET /cypress/fixtures/registration.css 304 8.379 ms - -
GET /__cypress/iframes/cypress%2Fe2e%2Fregistration_form_1_test.cy.js?browserFamily=chromium 200 3.835 ms - -
GET /__cypress/tests?p=cypress/support/e2e.js 200 1.328 ms - -
GET /__cypress/tests?p=cypress/e2e/registration_form_1_test.cy.js 200 1.117 ms - -
GET /cypress/fixtures/registration_form_1.html 200 1.876 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 7.758 ms - -
GET /cypress/fixtures/registration.js 304 9.710 ms - -
GET /cypress/fixtures/registration.css 304 5.231 ms - -
```

6. Run all the tests from the spec file together



localhost:49411/__/#/specs/runner?file=cypress/e2e/registration_form_1_test.cy.js

http://localhost:49411/cypress/fixtures/registration_form_1.html

registration_form_1_test.cy.js

This is first test suite, Kristin Raudberg

- ✓ User can submit data only when valid mandatory values are added
- ✓ User can use only same both first and validation passwords
- ✓ User cannot submit data when username is absent
- ✓ User cannot submit data when phone number is absent
- ✓ User cannot submit data when password and/or confirmation password is absent
- ✓ User cannot add letters to phone number

Username string should consist only of alphabetic and numeric characters

Username: KristinR

First name

Please enter your first name

First name: John

Last name

Please enter your last name

Last name: Smith

Phone number

Only numeric data can be used

Phone number: 8775048423

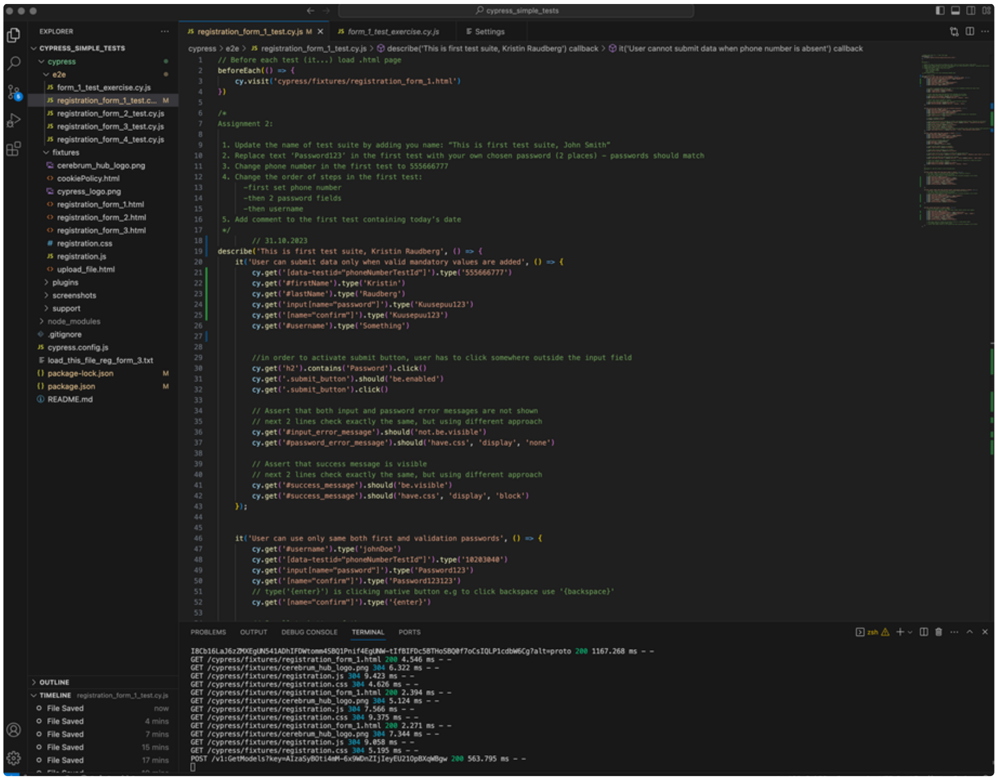
Password section

NB! Passwords should match

Password: ••••••••••••

Confirm: ••••••••••••

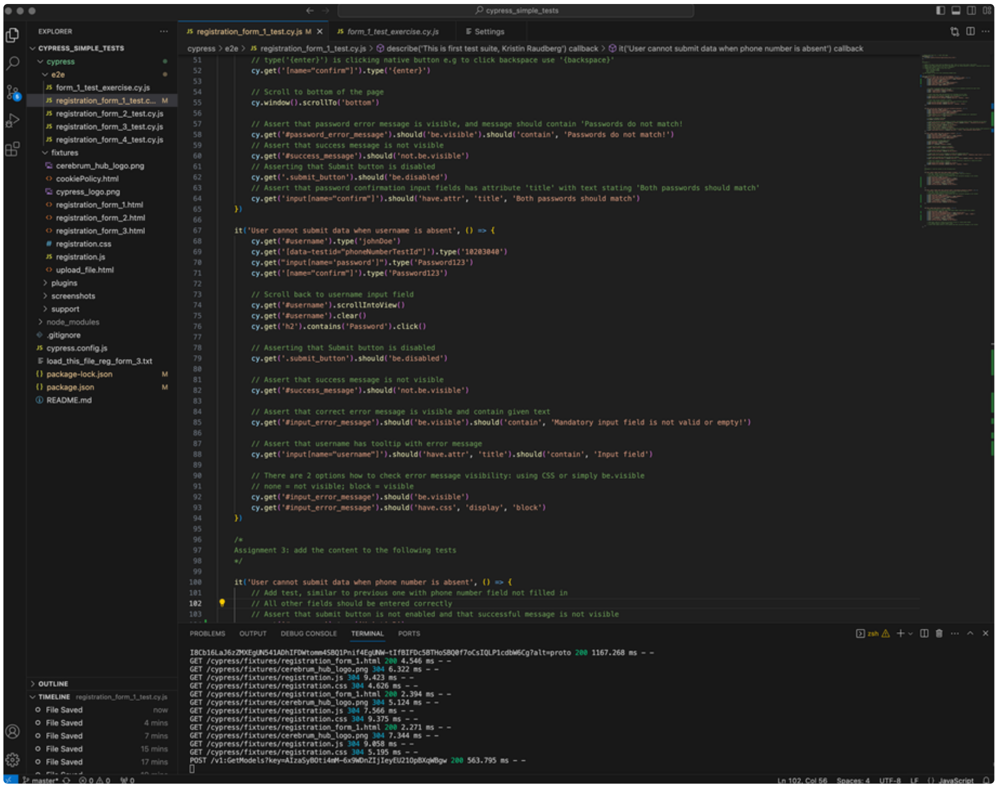
Submit



cypress > e2e > registration_form_1_test.cy.js > describe('This is first test suite, Kristin Raudberg') callback > it('User cannot submit data when phone number is absent') callback

```
// Before each test (it...) load .html page
beforeEach(() => {
    cy.visit('cypress/fixtures/registration_form_1.html')
})

/*
Assignment 2:

 1. Update the name of test suite by adding you name: "This is first test suite, John Smith"
 2. Replace text 'Password123' in the first test with your own chosen password (2 places) - passwords should match
 3. Change phone number in the first test to 555666777
 4. Change the order of steps in the first test:
      -first set phone number
      -then 2 password fields
      -then username
 5. Add comment to the first test containing today's date
 */
        // 31.10.2023
describe('This is first test suite, Kristin Raudberg', () => {
    it('User can submit data only when valid mandatory values are added', () => {
        cy.get('[data-testid="phoneNumberTestId"]').type('555666777')
        cy.get('#firstName').type('Kristin')
        cy.get('#lastName').type('Raudberg')
        cy.get('input[name="password"]').type('Kuusepuu123')
        cy.get('[name="confirm"]').type('Kuusepuu123')
        cy.get('#username').type('Something')


        //in order to activate submit button, user has to click somewhere outside the input field
        cy.get('h2').contains('Password').click()
        cy.get('.submit_button').should('be.enabled')
        cy.get('.submit_button').click()

        // Assert that both input and password error messages are not shown
        // next 2 lines check exactly the same, but using different approach
        cy.get('#input_error_message').should('not.be.visible')
        cy.get('#password_error_message').should('have.css', 'display', 'none')

        // Assert that success message is visible
        // next 2 lines check exactly the same, but using different approach
        cy.get('#success_message').should('be.visible')
        cy.get('#success_message').should('have.css', 'display', 'block')
    });


    it('User can use only same both first and validation passwords', () => {
        cy.get('#username').type('johnDoe')
        cy.get('[data-testid="phoneNumberTestId"]').type('10203040')
        cy.get('input[name="password"]').type('Password123')
        cy.get('[name="confirm"]').type('Password123123')
        // type('{enter}') is clicking native button e.g to click backspace use '{backspace}'
        cy.get('[name="confirm"]').type('{enter}')

```

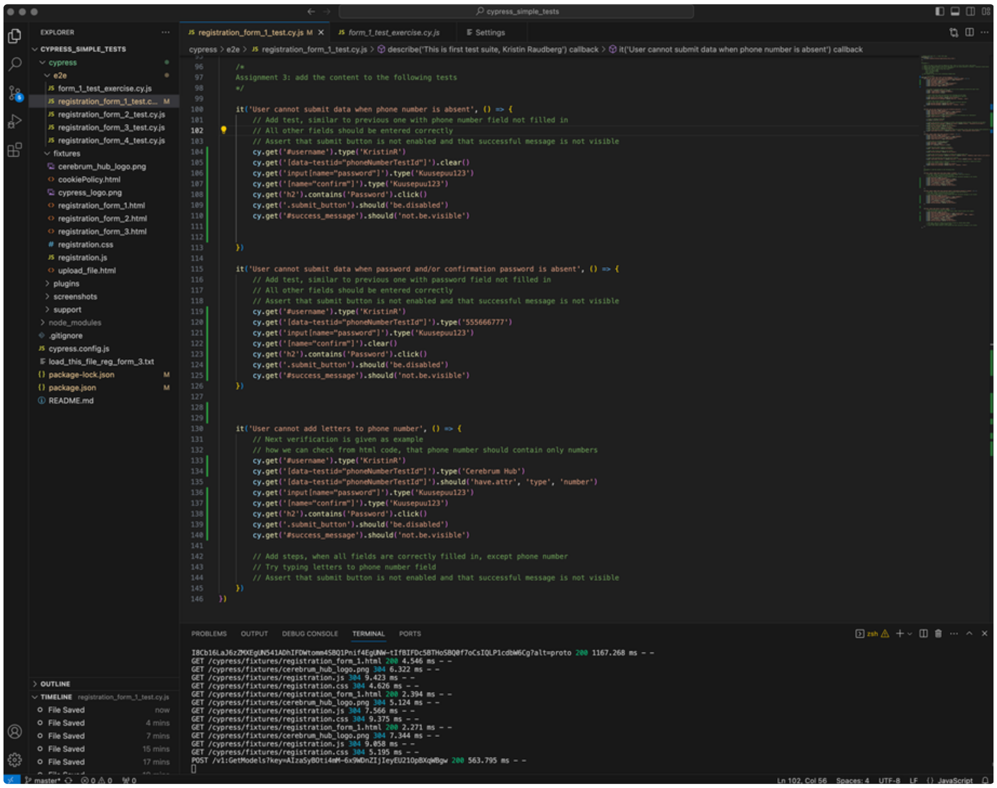
```
I8Cb16LaJ6zZMXEgUN541ADhIFDWtomm4SBQ1Pnif4EgUNW-tIfBIFDc5BTHoSBQ0f7oCsIQLP1cdbW6Cg?alt=proto 200 1167.268 ms - -
GET /cypress/fixtures/registration_form_1.html 200 4.546 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 6.322 ms - -
GET /cypress/fixtures/registration.js 304 9.423 ms - -
GET /cypress/fixtures/registration.css 304 4.626 ms - -
GET /cypress/fixtures/registration_form_1.html 200 2.394 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 5.124 ms - -
GET /cypress/fixtures/registration.js 304 7.566 ms - -
GET /cypress/fixtures/registration.css 304 9.375 ms - -
GET /cypress/fixtures/registration_form_1.html 200 2.271 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 7.344 ms - -
GET /cypress/fixtures/registration.js 304 9.058 ms - -
GET /cypress/fixtures/registration.css 304 5.195 ms - -
POST /v1:GetModels?key=AIzaSyBOti4mM-6x9WDnZIjIeyEU21OpBXqWBgw 200 563.795 ms - -
```



cypress_simple_tests
EXPLORER
CYPRESS_SIMPLE_TESTS
registration_form_1_test.cy.js M
form_1_test_exercise.cy.js
Settings
cypress > e2e > registration_form_1_test.cy.js > describe('This is first test suite, Kristin Raudberg') callback > it('User cannot submit data when phone number is absent') callback
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
zsh
Ln 102, Col 56
Spaces: 4
UTF-8
LF
{} JavaScript

```
        // type('{enter}') is clicking native button e.g to click backspace use '{backspace}'
        cy.get('[name="confirm"]').type('{enter}')

        // Scroll to bottom of the page
        cy.window().scrollTo('bottom')

        // Assert that password error message is visible, and message should contain 'Passwords do not match!
        cy.get('#password_error_message').should('be.visible').should('contain', 'Passwords do not match!')
        // Assert that success message is not visible
        cy.get('#success_message').should('not.be.visible')
        // Asserting that Submit button is disabled
        cy.get('.submit_button').should('be.disabled')
        // Assert that password confirmation input fields has attribute 'title' with text stating 'Both passwords should match'
        cy.get('input[name="confirm"]').should('have.attr', 'title', 'Both passwords should match')
    })

    it('User cannot submit data when username is absent', () => {
        cy.get('#username').type('johnDoe')
        cy.get('[data-testid="phoneNumberTestId"]').type('10203040')
        cy.get("input[name='password']").type('Password123')
        cy.get('[name="confirm"]').type('Password123')

        // Scroll back to username input field
        cy.get('#username').scrollIntoView()
        cy.get('#username').clear()
        cy.get('h2').contains('Password').click()

        // Asserting that Submit button is disabled
        cy.get('.submit_button').should('be.disabled')

        // Assert that success message is not visible
        cy.get('#success_message').should('not.be.visible')

        // Assert that correct error message is visible and contain given text
        cy.get('#input_error_message').should('be.visible').should('contain', 'Mandatory input field is not valid or empty!')

        // Assert that username has tooltip with error message
        cy.get('input[name="username"]').should('have.attr', 'title').should('contain', 'Input field')

        // There are 2 options how to check error message visibility: using CSS or simply be.visible
        // none = not visible; block = visible
        cy.get('#input_error_message').should('be.visible')
        cy.get('#input_error_message').should('have.css', 'display', 'block')
    })

    /*
    Assignment 3: add the content to the following tests
    */

    it('User cannot submit data when phone number is absent', () => {
        // Add test, similar to previous one with phone number field not filled in
        // All other fields should be entered correctly
        // Assert that submit button is not enabled and that successful message is not visible
```

```
I8Cb16LaJ6zZMXEgUN541ADhIFDWtomm4SBQ1Pnif4EgUNW-tIfBIFDc5BTHoSBQ0f7oCsIQLP1cdbW6Cg?alt=proto 200 1167.268 ms - -
GET /cypress/fixtures/registration_form_1.html 200 4.546 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 6.322 ms - -
GET /cypress/fixtures/registration.js 304 9.423 ms - -
GET /cypress/fixtures/registration.css 304 4.626 ms - -
GET /cypress/fixtures/registration_form_1.html 200 2.394 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 5.124 ms - -
GET /cypress/fixtures/registration.js 304 7.566 ms - -
GET /cypress/fixtures/registration.css 304 9.375 ms - -
GET /cypress/fixtures/registration_form_1.html 200 2.271 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 7.344 ms - -
GET /cypress/fixtures/registration.js 304 9.058 ms - -
GET /cypress/fixtures/registration.css 304 5.195 ms - -
POST /v1:GetModels?key=AIzaSyBOti4mM-6x9WDnZIjIeyEU210pBXqWBgw 200 563.795 ms - -
```



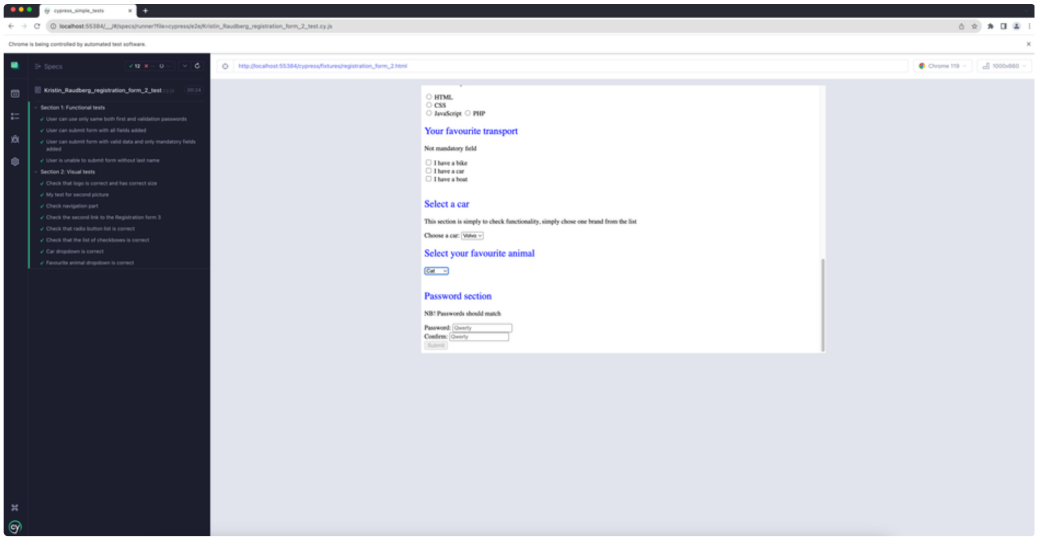
cypress_simple_tests
EXPLORER
CYPRESS_SIMPLE_TESTS
registration_form_1_test.cy.js M
form_1_test_exercise.cy.js
Settings
cypress > e2e > registration_form_1_test.cy.js > describe('This is first test suite, Kristin Raudberg') callback > it('User cannot submit data when phone number is absent') callback
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
zsh
Ln 102, Col 56
Spaces: 4
UTF-8
LF
{} JavaScript

```
    /*
    Assignment 3: add the content to the following tests
    */

    it('User cannot submit data when phone number is absent', () => {
        // Add test, similar to previous one with phone number field not filled in
        // All other fields should be entered correctly
        // Assert that submit button is not enabled and that successful message is not visible
        cy.get('#username').type('KristinR')
        cy.get('[data-testid="phoneNumberTestId"]').clear()
        cy.get('input[name="password"]').type('Kuusepuu123')
        cy.get('[name="confirm"]').type('Kuusepuu123')
        cy.get('h2').contains('Password').click()
        cy.get('.submit_button').should('be.disabled')
        cy.get('#success_message').should('not.be.visible')


    })

    it('User cannot submit data when password and/or confirmation password is absent', () => {
        // Add test, similar to previous one with password field not filled in
        // All other fields should be entered correctly
        // Assert that submit button is not enabled and that successful message is not visible
        cy.get('#username').type('KristinR')
        cy.get('[data-testid="phoneNumberTestId"]').type('555666777')
        cy.get('input[name="password"]').type('Kuusepuu123')
        cy.get('[name="confirm"]').clear()
        cy.get('h2').contains('Password').click()
        cy.get('.submit_button').should('be.disabled')
        cy.get('#success_message').should('not.be.visible')
    })



    it('User cannot add letters to phone number', () => {
        // Next verification is given as example
        // how we can check from html code, that phone number should contain only numbers
        cy.get('#username').type('KristinR')
        cy.get('[data-testid="phoneNumberTestId"]').type('Cerebrum Hub')
        cy.get('[data-testid="phoneNumberTestId"]').should('have.attr', 'type', 'number')
        cy.get('input[name="password"]').type('Kuusepuu123')
        cy.get('[name="confirm"]').type('Kuusepuu123')
        cy.get('h2').contains('Password').click()
        cy.get('.submit_button').should('be.disabled')
        cy.get('#success_message').should('not.be.visible')

        // Add steps, when all fields are correctly filled in, except phone number
        // Try typing letters to phone number field
        // Assert that submit button is not enabled and that successful message is not visible
    })
})
```

```
I8Cb16LaJ6zZMXEgUN541ADhIFDWtomm4SBQ1Pnif4EgUNW-tIfBIFDc5BTHoSBQ0f7oCsIQLP1cdbW6Cg?alt=proto 200 1167.268 ms - -
GET /cypress/fixtures/registration_form_1.html 200 4.546 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 6.322 ms - -
GET /cypress/fixtures/registration.js 304 9.423 ms - -
GET /cypress/fixtures/registration.css 304 4.626 ms - -
GET /cypress/fixtures/registration_form_1.html 200 2.394 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 5.124 ms - -
GET /cypress/fixtures/registration.js 304 7.566 ms - -
GET /cypress/fixtures/registration.css 304 9.375 ms - -
GET /cypress/fixtures/registration_form_1.html 200 2.271 ms - -
GET /cypress/fixtures/cerebrum_hub_logo.png 304 7.344 ms - -
GET /cypress/fixtures/registration.js 304 9.058 ms - -
GET /cypress/fixtures/registration.css 304 5.195 ms - -
POST /v1:GetModels?key=AIzaSyBOti4mM-6x9WDnZIjIeyEU210pBXqWBgw 200 563.795 ms - -
```

Assignment 4&5

- ✓ *Create new functional tests for registration form 2.*



cypress_simple_tests

localhost:55384/__/#/specs/runner?file=cypress/e2e/Kristin_Raudberg_registration_form_2_test.cy.js

Chrome is being controlled by automated test software.

Specs ✓ 12 ✗ -- ⟳ --

Kristin_Raudberg_registration_form_2_test.cy.js 00:24

Section 1: Functional tests
- ✓ User can use only same both first and validation passwords
- ✓ User can submit form with all fields added
- ✓ User can submit form with valid data and only mandatory fields added
- ✓ User is unable to submit form without last name

Section 2: Visual tests
- ✓ Check that logo is correct and has correct size
- ✓ My test for second picture
- ✓ Check navigation part
- ✓ Check the second link to the Registration form 3
- ✓ Check that radio button list is correct
- ✓ Check that the list of checkboxes is correct
- ✓ Car dropdown is correct
- ✓ Favourite animal dropdown is correct

http://localhost:55384/cypress/fixtures/registration_form_2.html

Chrome 119 · 1000x660

○ HTML
○ CSS
○ JavaScript ○ PHP

Your favourite transport

Not mandatory field

□ I have a bike
□ I have a car
□ I have a boat

Select a car

This section is simply to check functionality, simply chose one brand from the list

Choose a car: Volvo

Select your favourite animal

Cat

Password section

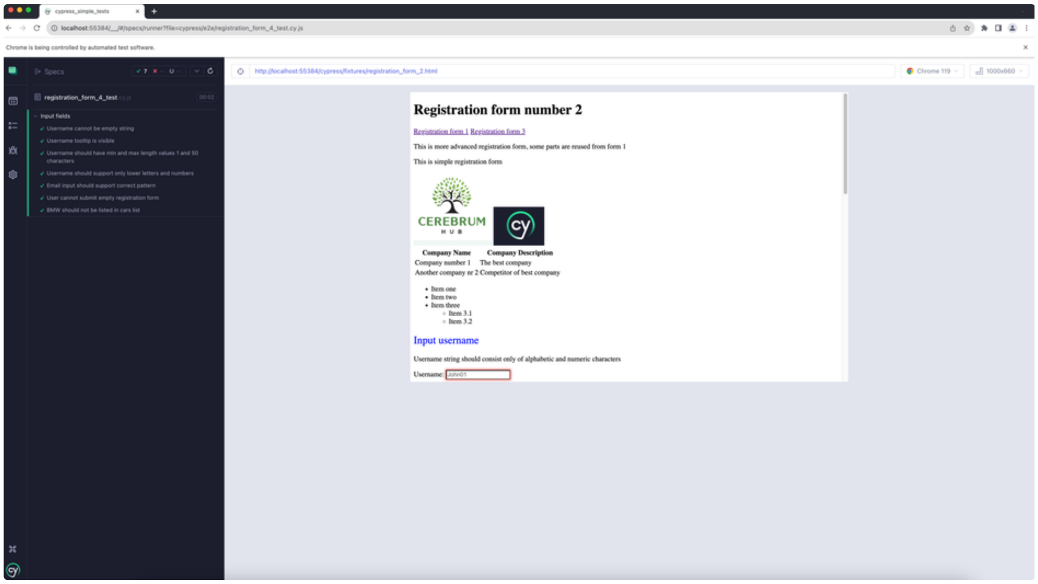
NB! Passwords should match

Password: Qwerty
Confirm: Qwerty
Submit

Kristin_Raudbe… t.cy.js
07 Nov 2023, 07:46 am

Assignment 6

Fix test file with failed tests



cypress_simple_tests

localhost:55384/__/#/specs/runner?file=cypress/e2e/registration_form_4_test.cy.js

Chrome is being controlled by automated test software.

Specs ✓ 7 ✗ -- ⟳ --

registration_form_4_test.cy.js 00:02

Input fields
- ✓ Username cannot be empty string
- ✓ Username tooltip is visible
- ✓ Username should have min and max length values 1 and 50 characters
- ✓ Username should support only lower letters and numbers
- ✓ Email input should support correct pattern
- ✓ User cannot submit empty registration form
- ✓ BMW should not be listed in cars list

http://localhost:55384/cypress/fixtures/registration_form_2.html

Chrome 119 · 1000x660

Registration form number 2

Registration form 1 Registration form 3

This is more advanced registration form, some parts are reused from form 1

This is simple registration form

Company Name	Company Description
Company number 1	The best company
Another company nr 2	Competitor of best company

- Item one
- Item two
- Item three
  - Item 3.1
  - Item 3.2

Input username

Username string should consist only of alphabetic and numeric characters

Username: John01

registration_for… t.cy.js
07 Nov 2023, 03:42 pm