IT314 Software Engineering
Hospital Management System (HMS)
GUI Testing

Group - 15
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1. Register Page

Care4You

User Registration

Name:

Enter Name

Email:

doctor@gmail.com

Password:

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Password should be at least 8 characters long and include at least one uppercase letter, one lowercase letter, one number, and one special character.

Re-enter Password:

Re-Enter Password

Phone Number:

Enter Phone Number

Re-Enter Password

Phone Number:

Enter Phone Number

Date of Birth:

mm/dd/yyyy

Blood Group:
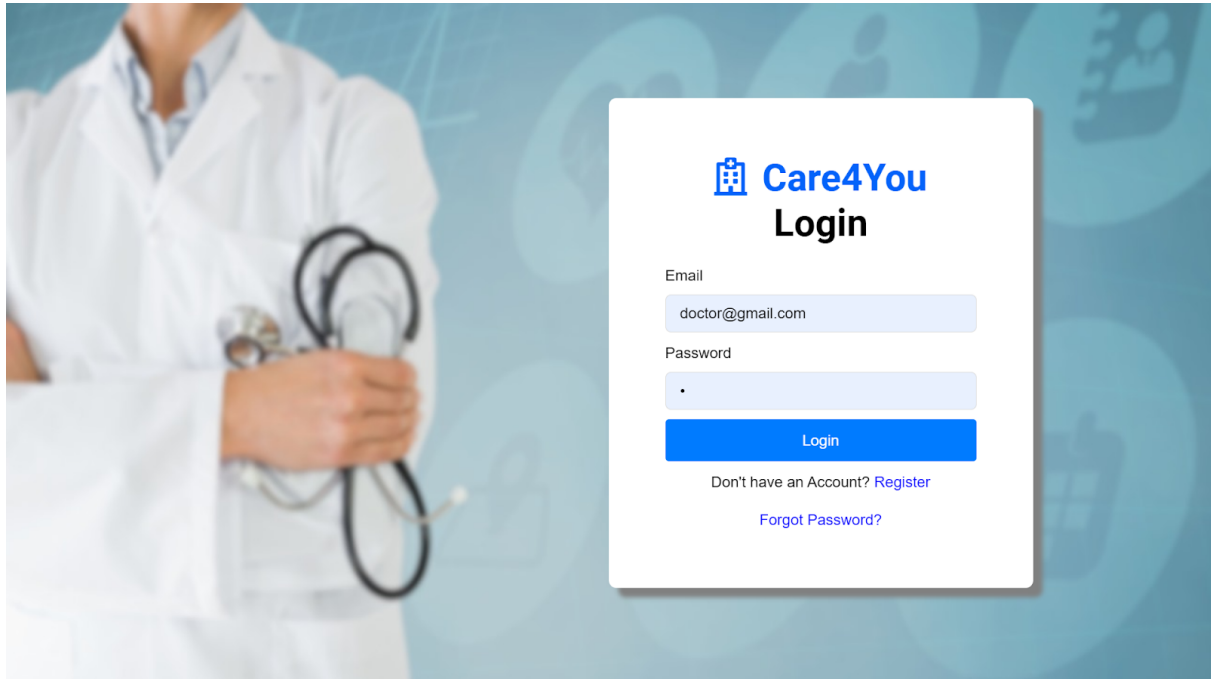
Select

Gender:

Select

Address:

Line 1

Line 2

Postal Code

Register

1. If any field in form is invalid (empty or not correct) then it will show validation error as a feedback prompt which is clearly visible and in red color.

2. Input boxes for all the fields are aligned properly along with their respective labels.

3. Font sizes are appropriate enough for reading which satisfy readability criteria.

4. Logo and Navbar of the application is clearly visible and has good clarity.

5. Tab buttons are working properly, when a tab is pressed from an email it will jump to the next field.

6. Until the user is not successfully register, there will be a loader which will give feedback about backend processing.

2. Login Page

1. If the email and/or password are invalid (empty or not correct) then it will show validation error as a feedback prompt which is clearly visible and in red color.

2. Input boxes for email and password are aligned properly along with their respective label.

3. Font sizes are appropriate enough for reading which satisfy readability criteria.

4. Logo of the application is clearly visible and has good clarity.

5. Tab buttons are working properly, when a tab is pressed from an email it will jump to the password field.

6. Until the user is not successfully logged in, there will be a loader which will give feedback about backend processing.

3. Home Page
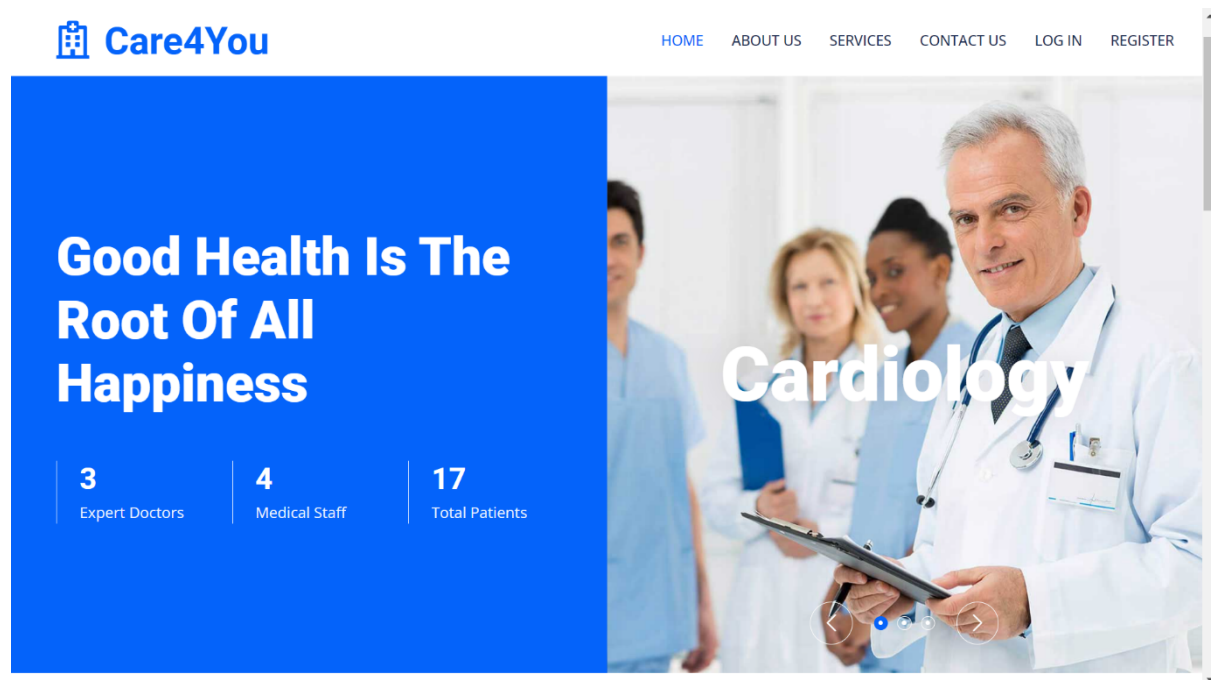
1. After login successfully, user will redirect to this page.

2. Hospital name and logo both are align properly top left side and they are clearly visible.

3. Navbar is align properly on top right side and when we hover on navbar link.
 Hovering effect is visible. When we click on link it will redirect to the corresponding page.

4. Font sizes are appropriate enough for reading which satisfy readability criteria.

5. Images in slider are clearly visible and slider is working correctly like when we click on arrow it will go to previous/next image.

6. all the section on this page like about us, services, footer are align properly and all the items in it are working well.

7. On the bottom right corner when we click on up arrow option, it will scroll the on top smoothly.

4. Admin Pages

4.1 Dashboard
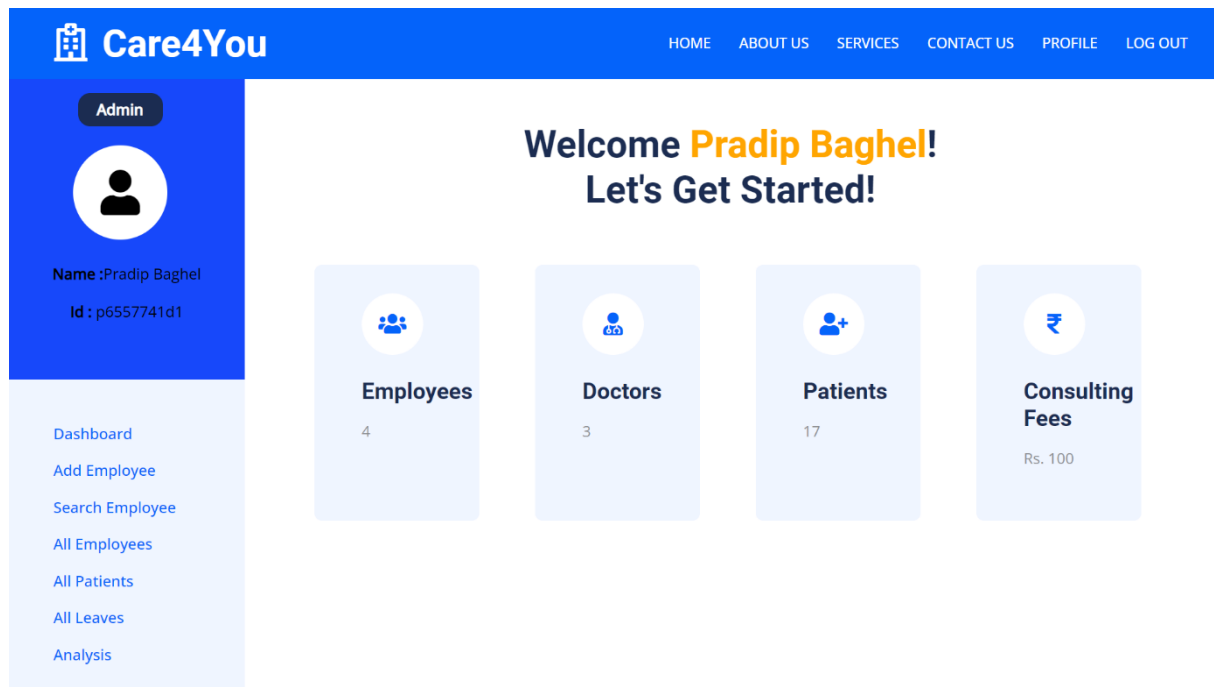
1. After successfully login as admin, it will redirect to this page.

2. On the top left corner hospital logo and name are clearly visible and on the top right corner links are provided which are working as expected.

3. On the left of page sidebar is visible which is fixed(sticky) and it has multiple options.

4. In sidebar heading, icon and links are aligned properly. And when we click on link it will redirect as expected. And it has also some hovering effect.

5. All fonts are clearly visible and headings of the page are bolded to provide more visibility.

6. All the boxes in dashboard are aligned properly and it has some hovering effect.

4.2 Add Employee

1. When we click on add employee button, it will redirect to this page.

2. On the top left corner hospital logo and name are clearly visible and on the top right corner links are provided which are working as expected.

3. On the left of page sidebar is visible which is fixed(sticky) and it has multiple options.

4. In sidebar heading, icon and links are aligned properly. And when we click on link it will redirect as expected. And it has also some hovering effect.

5. All fonts are clearly visible and headings of the page are bolded to provide more visibility.

6. If any field in form is invalid (empty or not correct) then it will show validation error as a feedback prompt which is clearly visible and in red color.

7. Input boxes for all fields are aligned properly along with their respective label. When we click on submit button, employee is successfully added. And when we click on clear button, form will be cleared.

4.3 Search Employee

1. When we click on search employee button, it will redirect to this page.

2. On the top left corner hospital logo and name are clearly visible and on the top right corner links are provided which are working as expected.

3. On the left of page sidebar is visible which is fixed(sticky) and it has multiple options.

4. In sidebar heading, icon and links are aligned properly. And when we click on link it will redirect as expected. And it has also some hovering effect.

5. All fonts are clearly visible and headings of the page are bolded to provide more visibility. And search box is properly aligned center.

6. If employee id in form is invalid (empty or not correct) then it will show validation error as a feedback prompt which is clearly visible and in red color.

7. Input boxes for all fields are aligned properly along with their respective label. When we click on search button, details of that employee will be shown.

4.4 All Employees

1. When we click on all employee button, it will redirect to this page.

2. On the top left corner hospital logo and name are clearly visible and on the top right corner links are provided which are working as expected.

3. On the left of page sidebar is visible which is fixed(sticky) and it has multiple options.

4. In sidebar heading, icon and links are aligned properly. And when we click on link it will redirect as expected. And it has also some hovering effect.

5. All fonts are clearly visible and headings of the page are bolded to provide more visibility. And search box is properly aligned center.

6. All the employees in the table are listed and aligned properly. View button corresponding to each employee is aligned properly. And when we click on view button, details of that employee will be shown.

4.4.1 All Admins

1. When we click on all admins button, it will redirect to this page.

2. On the top left corner hospital logo and name are clearly visible and on the top right corner links are provided which are working as expected.

3. On the left of page sidebar is visible which is fixed(sticky) and it has multiple options.

4. In sidebar heading, icon and links are aligned properly. When we click on link it will redirect as expected. And it has also some hovering effect.

5. All fonts are clearly visible and headings of the page are bolded to provide more visibility. And search box is properly aligned center.

6. All the admins in the table are listed and aligned properly. View button corresponding to each admin is aligned properly. And when we click on view button, details of that admin will be shown.

4.4.2 All Doctors

1. When we click on all doctors button, it will redirect to this page.

2. On the top left corner hospital logo and name are clearly visible and on the top right corner links are provided which are working as expected.

3. On the left of page sidebar is visible which is fixed(sticky) and it has multiple options.

4. In sidebar heading, icon and links are aligned properly. And when we click on link it will redirect as expected. And it has also some hovering effect.

5. All fonts are clearly visible and headings of the page are bolded to provide more visibility. And search box is properly aligned center.

6. All the doctors in the table are listed and aligned properly. View button corresponding to each doctor is aligned properly. And when we click on view button, details of that doctor will be shown.
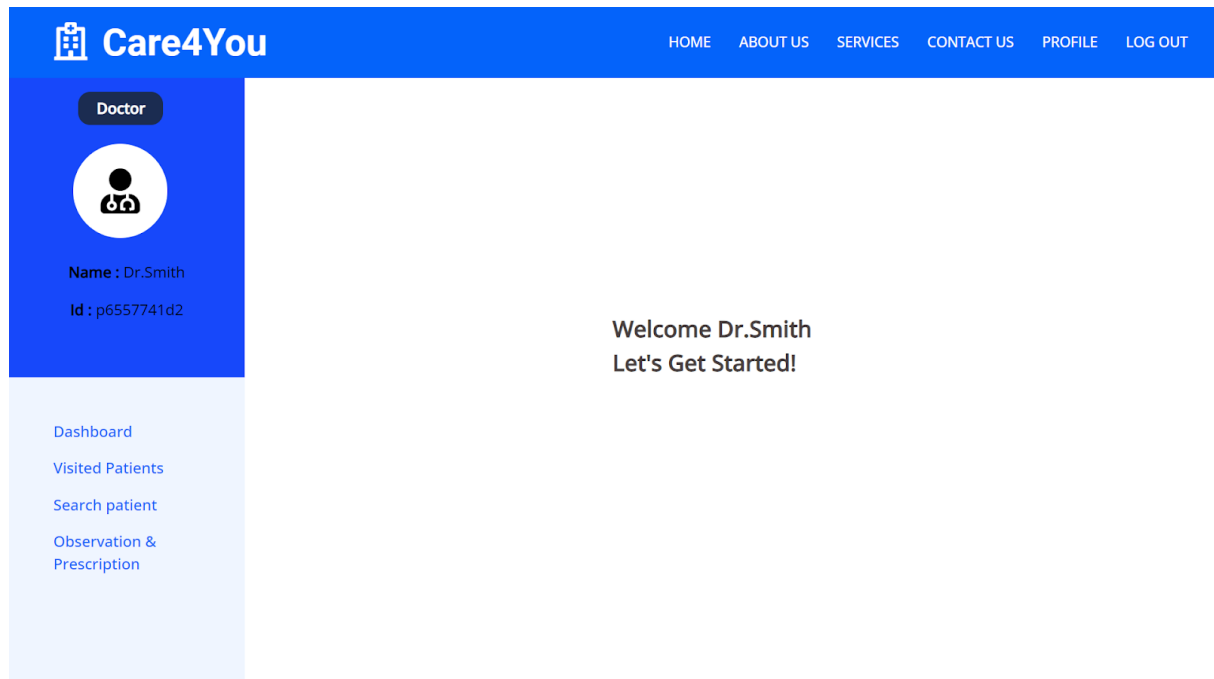
4.4.3 All Receptionists

1. When we click on all receptionists button, it will redirect to this page.

2. On the top left corner hospital logo and name are clearly visible and on the top right corner links are provided which are working as expected.

3. On the left of page sidebar is visible which is fixed(sticky) and it has multiple options.

4. In sidebar heading, icon and links are aligned properly. And when we click on link it will redirect as expected. And it has also some hovering effect.

5. All fonts are clearly visible and headings of the page are bolded to provide more visibility. And search box is properly aligned center.

6. All the receptionists in the table are listed and aligned properly. View button corresponding to each receptionist is aligned properly. And when we click on view button, details of that receptionist will be shown.

4.5 All Leaves

1. When we click on all leaves button, it will redirect to this page.

2. On the top left corner hospital logo and name are clearly visible and on the top right corner links are provided which are working as expected.

3. On the left of page sidebar is visible which is fixed(sticky) and it has multiple options.

4. In sidebar heading, icon and links are aligned properly. When we click on link it will redirect as expected. And it has also some hovering effect.

5. All fonts are clearly visible and headings of the page are bolded to provide more visibility. And search box is properly aligned center.

6. All the leaves in the table are listed and aligned properly. Action button corresponding to each employee is aligned properly.

4.6 Profile
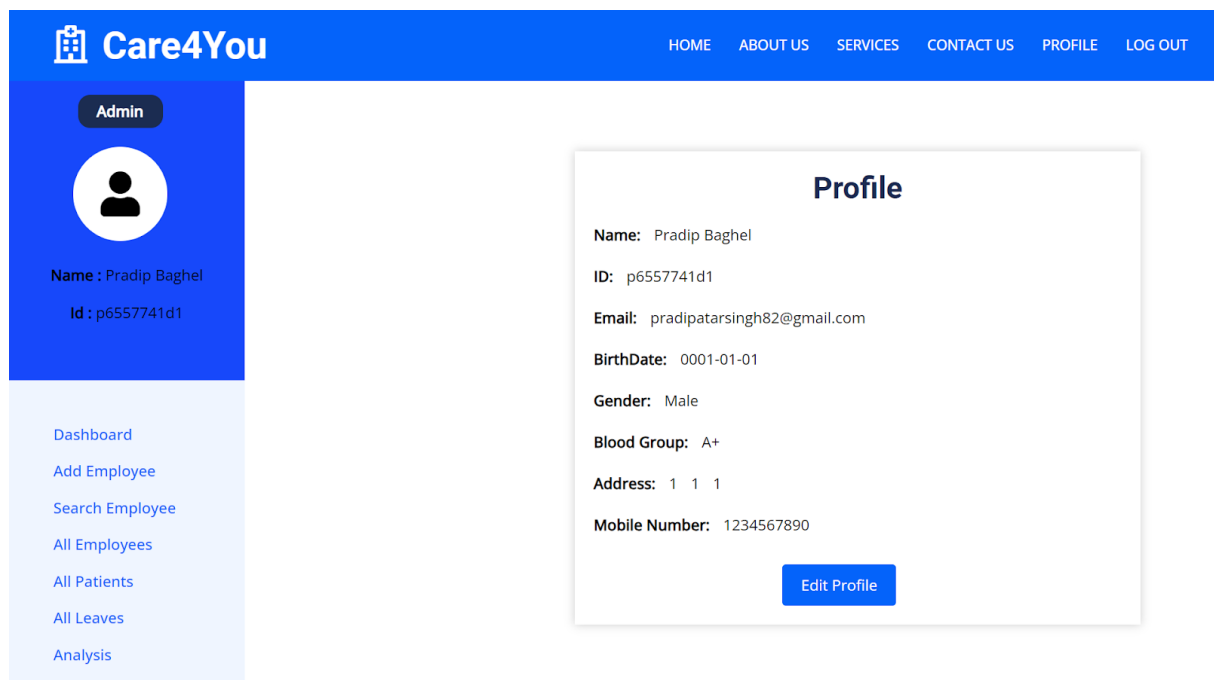
1. When we click on profile in navbar, it will redirect to this page.

2. On the top left corner hospital logo and name are clearly visible and on the top right corner links are provided which are working as expected.

3. On the left of page sidebar is visible which is fixed(sticky) and it has multiple options.

4. In sidebar heading, icon and links are aligned properly. And When we click on link it will redirect as expected. And it has also some hovering effect.

5. All fonts are clearly visible and headings of the page are bolded to provide more visibility. And profile box is properly aligned center.

6. Content of the box is aligned properly. When we click on edit profile button, Form will be shown in which we can edit the detail.

5. Doctor Pages

5.1 Dashboard

1. After successfully login as doctor, it will redirect to this page.

2. On the top left corner hospital logo and name are clearly visible and on the top right corner links are provided which are working as expected.

3. On the left of page sidebar is visible which is fixed(sticky) and it has multiple options.

4. In sidebar heading, icon and links are aligned properly. And when we click on link it will redirect as expected. And it has also some hovering effect.

5. All fonts are clearly visible and headings of the page are bolded to provide more visibility.

5.2 Visited Patient

1. After click on Visited Patient button we redirect to this page.

2. All fonts are clearly visible and labels are bolded to provide more visibility.

3. One submit button with blue background is there with curve border.

4. All spelling are correct in this page.

5. Two text boxes aligned properly. One for date and another for Doctor's name.

5.3 Observation & Prescription

1. After click on Observation & Prescription button we redirect to this page.

2. All fonts are clearly visible and headings of the page are bolded to provide more visibility.

3. One submit button with blue background is there with curve border.

4. All spelling are correct in this page. We use red asterisk for representing note.

5. Content border is blue and curve.

6. In middle of the page there is one content box with light blue background. All content in this box is aligned properly. Name of the doctor is in bolded font.

6. Patient Pages

6.1 Book Appointment

1. After click on Book Appointment button we redirect to this page.

2. All spellings are correct. Title's font are bold and black.

3. In middle of the page there is one content box. All content in this box is aligned properly. Name of the doctor is in bolded font.

4. "Show Available Slots" button with blue background is there.

6.2 View and Edit Appointment

1. After click on "View and Edit Appointment" button we redirect to this page.

2. Title and Table heading row fonts are bold and black. All spellings are correct.

3. One Table is there in middle of page. All content in this box is aligned properly. Name of the doctor is in bolded font.

6.3 View Prescription

1. After click on "View Prescription" button we redirect to this page.

2. Title and Table heading row fonts are bold and black. All spellings are correct.

3. One Table is there in middle of page. All content in this box is aligned properly. Name of the doctor is in bolded font.

7. Receptionist Pages

7.1 Update Patient Visit

1. After click on "Update Patient Visit" button we redirect to this page.

2. All spellings are correct.

3. In middle of the page there is one content box.

4. All text boxes and drop down menu aligned properly.

4. "Update as Visited" button with blue background is there.

7.2 Apply for leave

1. After click on "Apply for leave" button we redirect to this page.

2. All spellings are correct.

3. In middle of the page there is one content box.

4. "Apply for leave" button with blue background is there.

7.3 View and edit appointment
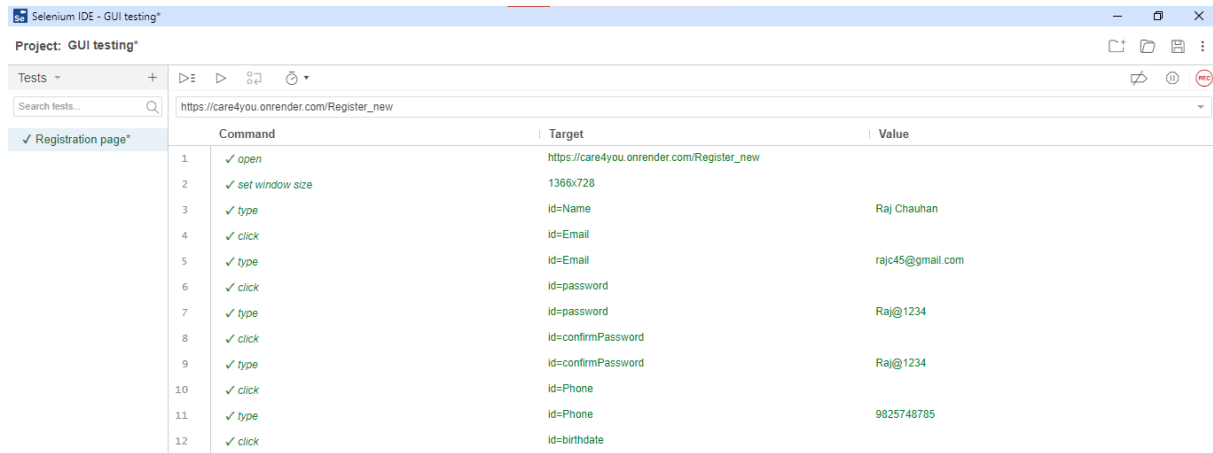

1. After click on "View and edit appointment" button we redirect to this page.

2. All spellings are correct.

3. In middle of the page there is one content box.

4. "View" button with blue background is there.

GUI testing using Selenium:

1.Register


```javascript
// Generated by Selenium IDE
const { Builder, By, Key, until } = require('selenium-webdriver')
const assert = require('assert')

describe('GUI 1', function() {
  this.timeout(30000)
  let driver
  let vars
  beforeEach(async function() {
    driver = await new Builder().forBrowser('chrome').build()
    vars = {}
  })
  afterEach(async function() {
    await driver.quit();
  })
  it('GUI 1', async function() {
    await driver.get("https://care4you.onrender.com/Register_new")
    await driver.manage().window().setRect({ width: 1366, height: 728 })
    await driver.findElement(By.id("Name")).sendKeys("Raj Chauhan")
    await driver.findElement(By.id("Email")).click()
```

```javascript
    await
driver.findElement(By.id("Email")).sendKeys("rajc45@gmail.com")

    await driver.findElement(By.id("password")).click()

    await driver.findElement(By.id("password")).sendKeys("Raj@1234")

    await driver.findElement(By.id("confirmPassword")).click()

    await
driver.findElement(By.id("confirmPassword")).sendKeys("Raj@1234")

    await driver.findElement(By.id("Phone")).click()

    await driver.findElement(By.id("Phone")).sendKeys("9825748785")

    await driver.findElement(By.id("birthdate")).click()

    await driver.findElement(By.id("birthdate")).sendKeys("2003-07-19")

    await driver.findElement(By.css(".registration-form")).click()

    await driver.findElement(By.id("blood_group")).click()

    {

      const dropdown = await driver.findElement(By.id("blood_group"))

      await dropdown.findElement(By.xpath("//option[. =
'B+']")).click()

    }

    await driver.findElement(By.id("Gender")).click()

    {

      const dropdown = await driver.findElement(By.id("Gender"))

      await dropdown.findElement(By.xpath("//option[. =
'Male']")).click()

    }

    await driver.findElement(By.id("AddressLine1")).click()

    await driver.findElement(By.id("AddressLine1")).sendKeys("Devpriya
bunglows")

    await driver.findElement(By.id("AddressLine2")).click()

    await
driver.findElement(By.id("AddressLine2")).sendKeys("Chandlodiya")

    await driver.findElement(By.id("AddressPostalCode")).click()

    await
driver.findElement(By.id("AddressPostalCode")).sendKeys("284587")

    await driver.findElement(By.css("button:nth-child(26)")).click()

  })

})
```

2.Login


```javascript
// Generated by Selenium IDE
const { Builder, By, Key, until } = require('selenium-webdriver')
const assert = require('assert')

describe('Login page', function() {
  this.timeout(30000)
  let driver
  let vars
  beforeEach(async function() {
    driver = await new Builder().forBrowser('chrome').build()
    vars = {}
  })
  afterEach(async function() {
    await driver.quit();
  })
  it('Login page', async function() {
    await driver.get("https://care4you.onrender.com/login")
    await driver.manage().window().setRect({ width: 1366, height: 728 })
    await driver.findElement(By.id("email")).sendKeys("vaidikp9@gmail.com")
    await driver.findElement(By.id("password")).click()
    await driver.findElement(By.id("password")).sendKeys("Vaidik@1234")
    await driver.findElement(By.css("button")).click()
  })
})
```

3.Book appointment


```javascript
// Generated by Selenium IDE
const { Builder, By, Key, until } = require('selenium-webdriver')
const assert = require('assert')

describe('Book appointment', function() {
  this.timeout(30000)
  let driver
  let vars
  beforeEach(async function() {
    driver = await new Builder().forBrowser('chrome').build()
    vars = {}
  })
  afterEach(async function() {
    await driver.quit();
  })
  it('Book appointment', async function() {
    await driver.get("https://care4you.onrender.com/receptionist_book_app")
    await driver.manage().window().setRect({ width: 1366, height: 728 })
    {
      const dropdown = await driver.findElement(By.id("doctor"))
      await dropdown.findElement(By.xpath("//option[. = 'Dr.Jones']")).click()
    }
```

```
    await driver.findElement(By.id("date")).click()

    await driver.findElement(By.id("date")).sendKeys("2023-12-14")

    await driver.findElement(By.css("button:nth-child(3)")).click()

    await driver.findElement(By.id("name")).click()

    await driver.findElement(By.id("name")).sendKeys("Vaidik")

    await driver.findElement(By.css(".vsc-initialized")).click()

    await
driver.findElement(By.css(".side-bar-top-info:nth-child(4)")).click()

    {

      const element = await
driver.findElement(By.css(".side-bar-top-info:nth-child(4)"))

      await driver.actions({ bridge:
true}).doubleClick(element).perform()

    }

    await
driver.findElement(By.css(".side-bar-top-info:nth-child(4)")).click()

    await
driver.findElement(By.css(".side-bar-top-info:nth-child(4)")).click()

    await driver.findElement(By.css(".container-fluid")).click()

    await driver.findElement(By.css(".side-bar-bottom")).click()

    await
driver.findElement(By.css(".side-bar-top-info:nth-child(4)")).click()

    await
driver.findElement(By.css(".side-bar-top-info:nth-child(4)")).click()

    {

      const element = await
driver.findElement(By.css(".side-bar-top-info:nth-child(4)"))

      await driver.actions({ bridge:
true}).doubleClick(element).perform()

    }

    await driver.findElement(By.id("ID")).click()

    await driver.findElement(By.id("ID")).sendKeys("Q655789121")

    await driver.findElement(By.css("button:nth-child(6)")).click()

  })

})
```