



**IT314**  
**SOFTWARE ENGINEERING**

**Group 21**

**Online Forum**

**GUI Testing**

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## **Group Members:**

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- Home Page

The screenshot shows the homepage of a website called "Ask At Ease". On the left, there is a sidebar with a "Create Space" button and a "+" sign. Below it is a list of categories: Education, Books, Music, SPORTS, Science, Technology, System Testing, Database, and Software Engineering. The main content area has a search bar at the top with the placeholder "What do you want to ask?". Below the search bar is a "Add Question" button. Three questions are listed in cards:

- Who is your favourite singer? (Posted on: 02/12/2024) - Includes "Show Answer" and "Answer" buttons.
- What is Blackbox testing? (Posted on: 02/12/2024) - Includes "Show Answer" and "Answer" buttons.
- How can AI and IoT technologies enhance air conditioning (Posted on: 02/12/2024) - Includes "Show Answer" and "Answer" buttons.

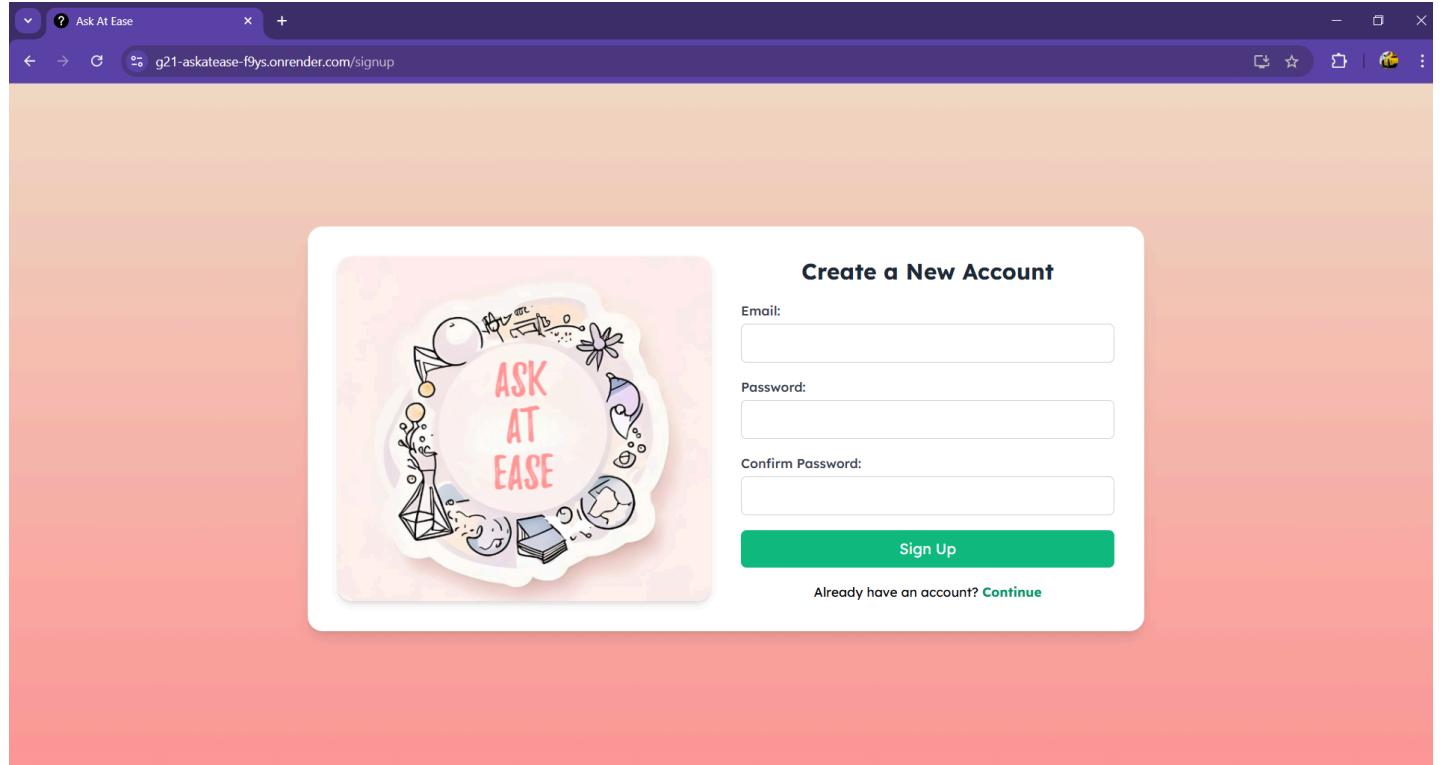
To the right, there is a "Gemini AI by Google" section with a search bar and a "Generate Answer" button.

This screenshot shows the same "Ask At Ease" homepage as the previous one, but with a different set of questions displayed in the main content area:

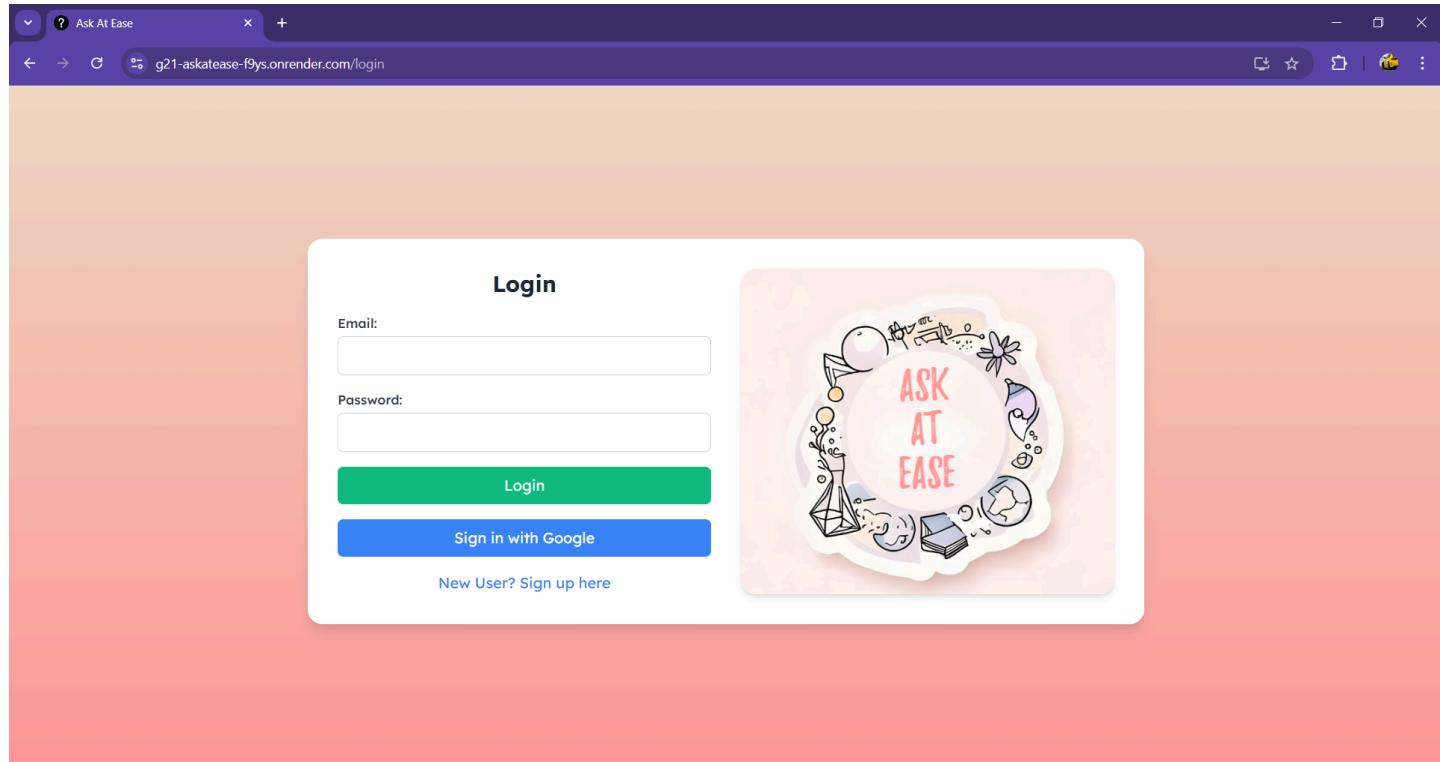
- What are the key features to look for in a cloud hosting provider? (Posted on: 02/12/2024) - Includes "Show Answer" and "Answer" buttons.
- How is Generative AI revolutionizing content creation across industries? (Posted on: 02/12/2024) - Includes "Show Answer" and "Answer" buttons.
- How can science be correct if theories are always changing? (Posted on: 02/12/2024) - Includes "Show Answer" and "Answer" buttons.

A "Show More" button is located at the bottom of the question cards. A small circular icon with an upward arrow is visible in the bottom right corner of the page.

## ● Signup Page



## ● Login Page



## ● Profile Page

The screenshot shows a web browser window for the 'Ask At Ease' platform. The URL is [g21-askatease-f9ys.onrender.com/profile](https://g21-askatease-f9ys.onrender.com/profile). The page features a dark header with the site name and a search bar. Below the header is a user profile card for a user named '2022 01262'. The profile includes a blue placeholder icon, the name '2022 01262', the title 'Software Engineer | Tech Enthusiast', and the joining date 'Joined January 2022'. A 'Edit Profile' button is located in the top right corner of the card. Below the card are three summary boxes: '100 Answers', '50 Questions', and '1.2k Followers'. Underneath these boxes is a section titled 'Recent Activity' containing three entries: 'Answered: How to learn React effectively?' (2 days ago), 'Asked: What are the best resources for learning Tailwind CSS?' (5 days ago), and 'Answered: What is the difference between React and Angular?' (1 week ago).

## ● Change password Page

The screenshot shows a web browser window for the 'Ask At Ease' platform. The URL is [g21-askatease-f9ys.onrender.com/ChangePassword](https://g21-askatease-f9ys.onrender.com/ChangePassword). The page has a light orange gradient background. On the left side, there is a decorative illustration of a circular frame containing various icons related to asking questions and learning, such as a lightbulb, a book, a gear, and a flower. To the right of the illustration is a form titled 'Change Your Password'. The form includes fields for 'Current Password', 'New Password', and 'Confirm New Password', each with a corresponding input box. Below these fields is a large red 'Update Password' button. At the bottom of the form, there is a link 'Changed your mind? [Go Back](#)'.

## GUI testing -

- Login and Signup page

Selenium IDE - Final GUI testing\*

Project: Final GUI testing\*

Executing ✓ Login and Signup Page\*

https://g21-askatease-f9ys.onrender.com

Command	Target	Value
1 ✓ open	/	
2 ✓ set window size	1552x840	
3 ✓ click	css=text-blue-500	
4 ✓ mouse over	css=text-blue-500	
5 ✓ click	css=div:nth-child(1) > .px-4	
6 ✓ type	css=div:nth-child(1) > px-4	meet2004@daiict.ac.in
7 ✓ click	css=div:nth-child(2) > w-full	
8 ✓ type	css=div:nth-child(2) > w-full	unknownuser
9 ✓ click	css=div:nth-child(3) > w-full	
10 ✓ type	css=div:nth-child(3) > w-full	unknownuser
11 ✓ click	css=bg-emerald-500	
12 ✓ click	css=p-1	
13 ✓ click	css=block:nth-child(3)	
14 ✓ click	css=bg-blue-500	
15 ✓ store window handle	root	
16 ✓ select window	handle=\${win6050}	

Runs: 1 Failures: 0

Log Reference

Selenium IDE - Final GUI testing\*

Project: Final GUI testing\*

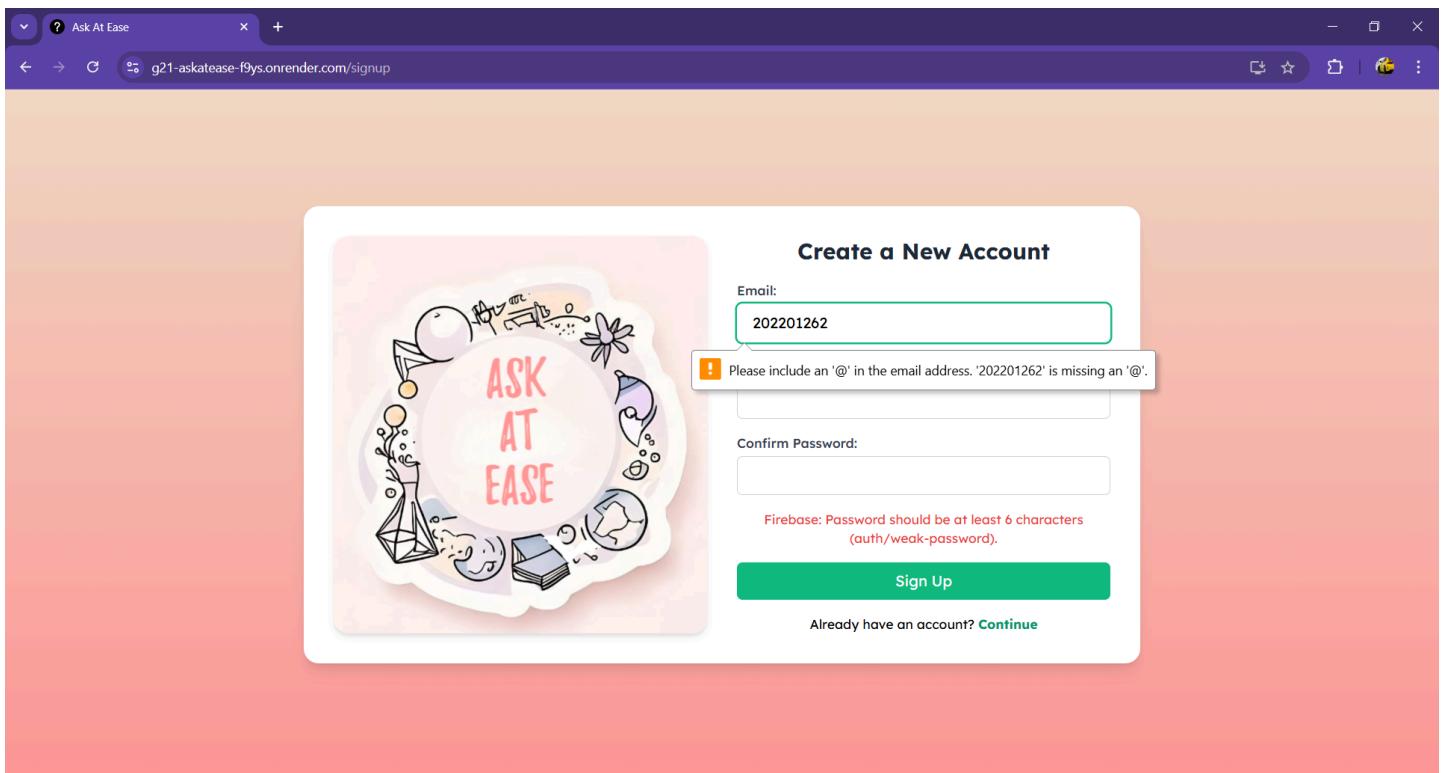
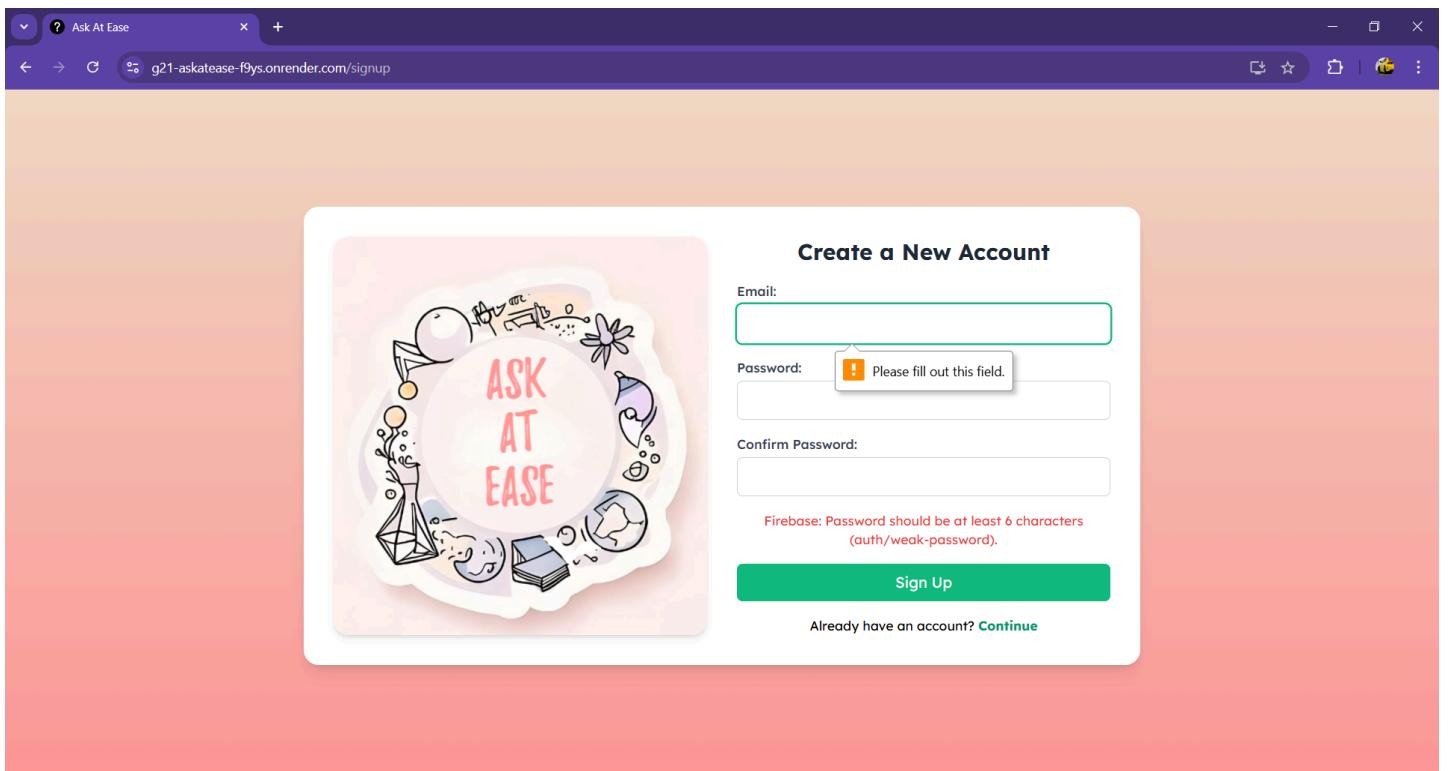
Executing ✓ Login and Signup Page\*

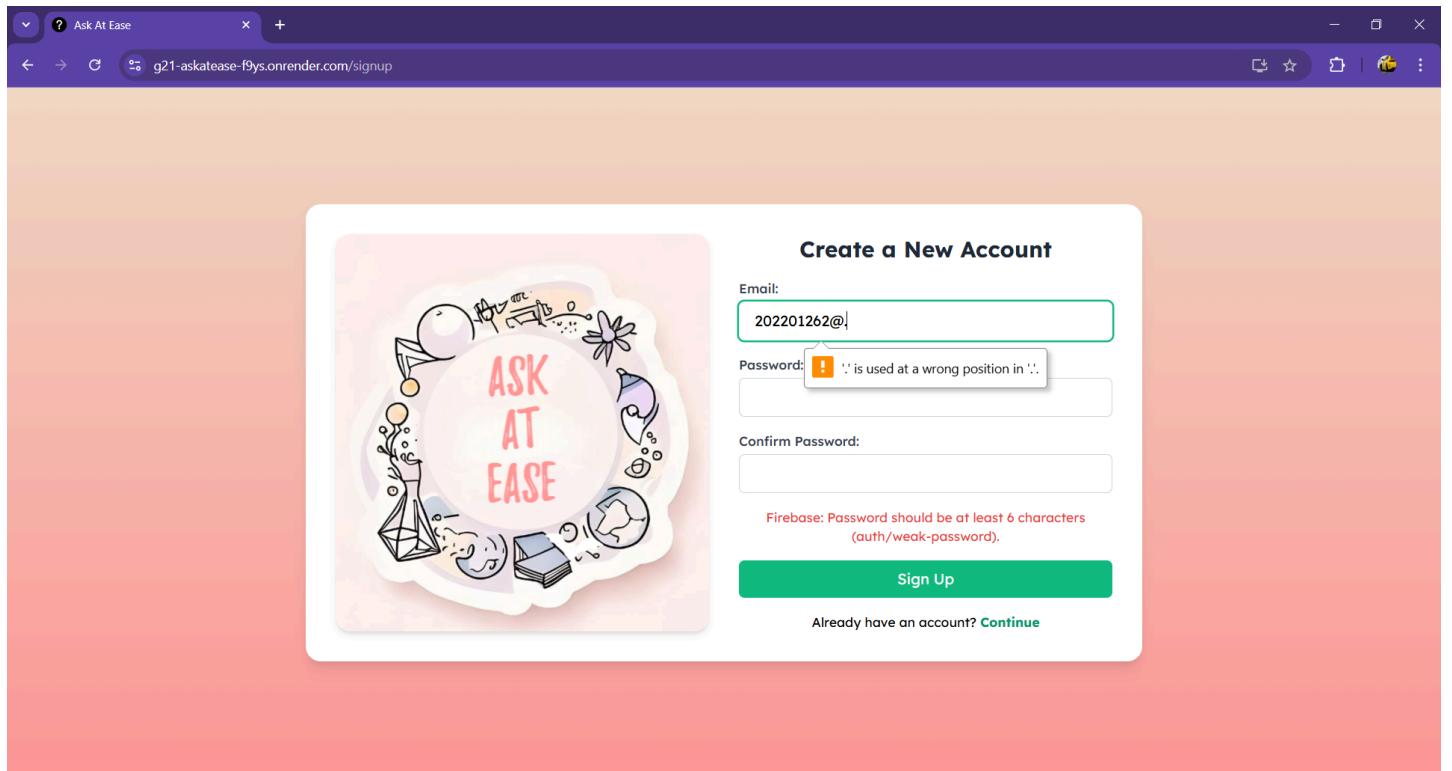
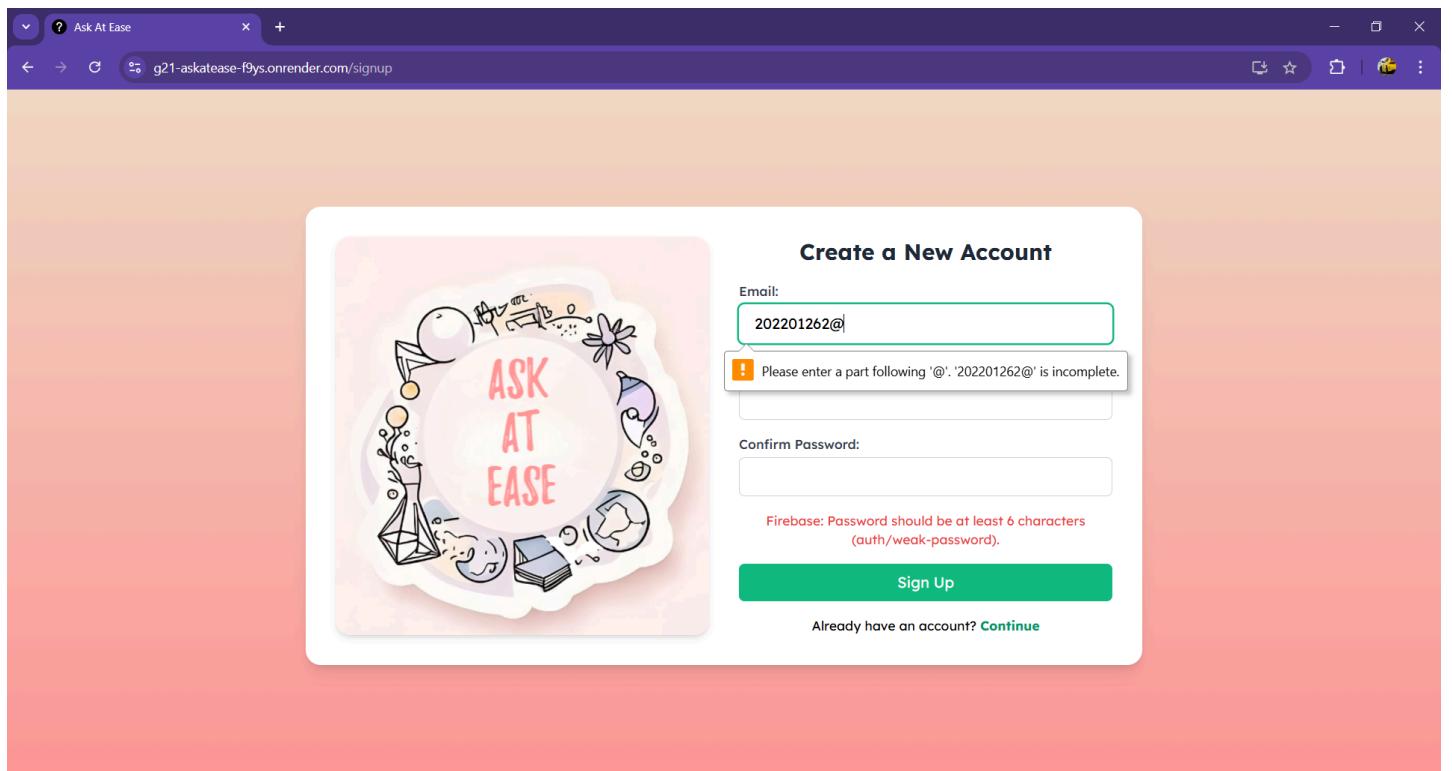
https://g21-askatease-f9ys.onrender.com

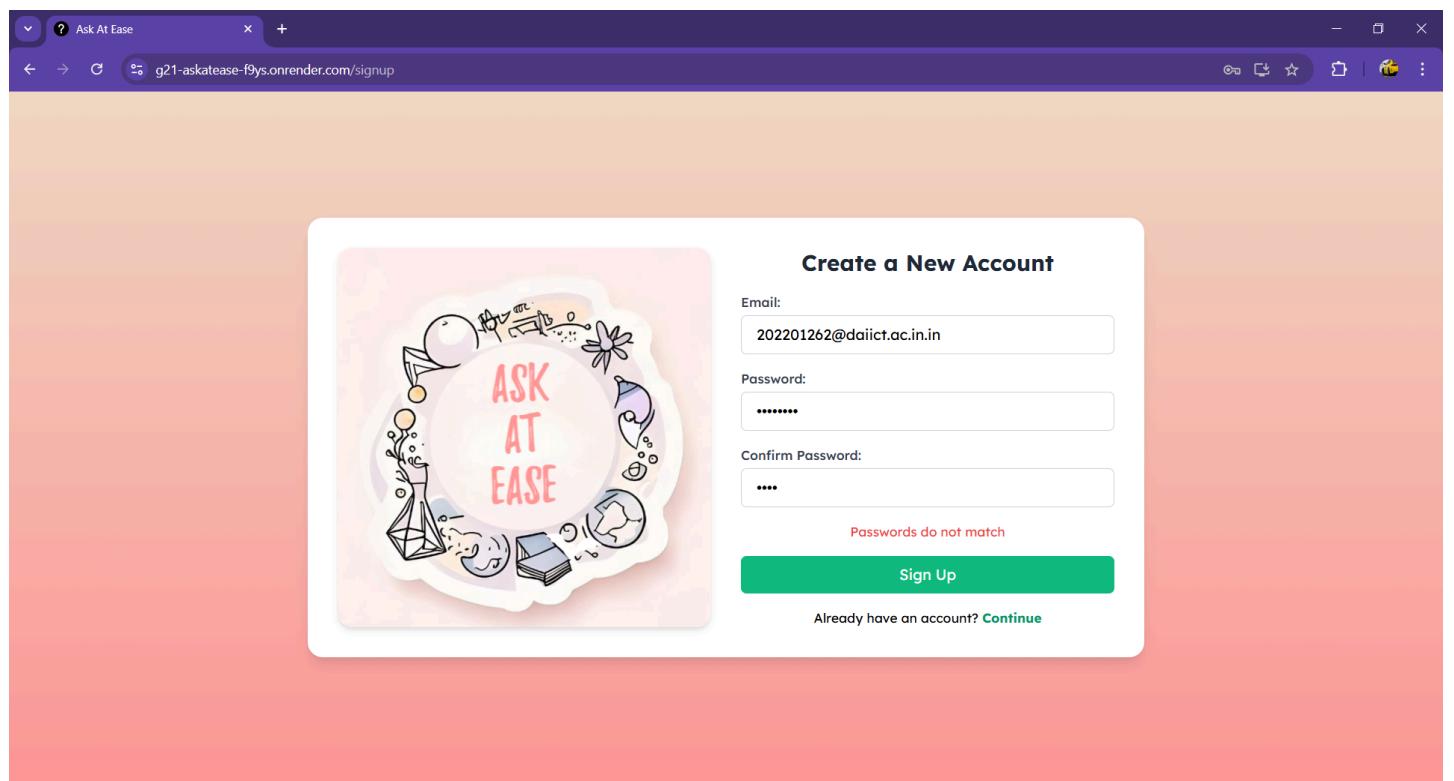
Command	Target	Value
7 ✓ click	css=div:nth-child(2) > w-full	
8 ✓ type	css=div:nth-child(2) > w-full	unknownuser
9 ✓ click	css=div:nth-child(3) > w-full	
10 ✓ type	css=div:nth-child(3) > w-full	unknownuser
11 ✓ click	css=bg-emerald-500	
12 ✓ click	css=p-1	
13 ✓ click	css=block:nth-child(3)	
14 ✓ click	css=bg-blue-500	
15 ✓ store window handle	root	
16 ✓ select window	handle=\${win6050}	
17 ✓ click	css=aZvCDFnth-child(2)_pGzURd	
18 ✓ close		
19 ✓ select window	handle=\${root}	
20 ✓ close		

Runs: 1 Failures: 0

Log Reference







-> Site gives warnings for syntactically wrong inputs such as email format wrong, blank inputs, weak password,etc...

## ● Home page -

Command		
	Target	Value
1 ✓ open	/ReturnHome	
2 ✓ set window size	782x831	
3 ✓ click	css=w-auto	
4 ✓ click	css=qHeader	
5 ✓ click	id=searching	
6 ✓ type	css=h-28	How to write a good user story
7 ✓ click	css=text-3	
8 ✓ click	css=text-sm:nth-child(1)	
9 ✓ click	css=text-sm:nth-child(1)	
10 ✓ mouse down at	css=h-28	356.8000030517578,227.6999969482422
11 ✓ mouse move at	css=max-w-md:nth-child(2)	346.8000030517578,419.70000076293945

Command		
	Target	Value
11 ✓ mouse move at	css=max-w-md:nth-child(2)	346.8000030517578,419.70000076293945
12 ✓ mouse up at	css=max-w-md:nth-child(2)	346.8000030517578,419.70000076293945
13 ✓ click	css=h-28	
14 ✓ click	css=max-w-md:nth-child(2)	
15 ✓ mouse down at	css=h-28	360.8000030517578,43.199981689453125
16 ✓ mouse move at	css=h-28	360.8000030517578,43.199981689453125
17 ✓ mouse up at	css=h-28	360.8000030517578,43.199981689453125
18 ✓ click	css=h-28	
19 ✓ click	css=absolute	
20 ✓ click	css=text-xl	
21 ✓ click	css=mb-4:nth-child(1) > .px-4	
22 ✓ type	css=mb-4:nth-child(1) > .px-4	Testing
23 ✓ click	css=mb-4:nth-child(2) > .w-full	
24 ✓ click	css=bg-gray-300	
25 ✓ click	css=flex-1	
26 ✓ type	css=p-3:nth-child(2)	Testing
27 ✓ click	css=w-full nth-child(3)	
28 ✓ select	css=w-full nth-child(3)	label=Test space - Test description
29 ✓ click	css=bg-button:nth-child(2)	
30 ✓ assert alert	Question added successfully!	
31 ✓ click	css=text-xl	
32 ✓ click	css=mb-4:nth-child(2) > .w-full	

Command	Target	Value
32 ✓ click	css=.mb-4:nth-child(2) > .w-full	
33 ✓ click	css=bg-button:nth-child(2)	
34 ✓ click	css=p-4 nth-child(3).hover3A bg-slate-500	
35 ✓ click	css=py-2:nth-child(1)	
36 ✓ mouse over	css=py-2:nth-child(1)	
37 ✓ mouse out	css=py-2:nth-child(1)	
38 ✓ click	id=answer	
39 ✓ type	id=answer	Yes, I like to play cricket very much
40 ✓ click	css=.w-96	
41 ✓ click	css=.mb-4:nth-child(3)	
42 ✓ click	css=bg-button:nth-child(2)	



https://g21-askatease-f9y9s.onrender.com		
Line	Command	Target
42	✓ click	css=.og-button:nth-child(2)
43	✓ click	css=.absolute
44	✓ click	css=.mt-4:nth-child(1)
45	✓ click	css=.font-bold
46	✓ click	css=.font-bold
47	✓ click	css=.w-auto
48	✓ mouse over	css=.w-auto
49	✓ click	css=a:nth-child(2).h-8
50	✓ click	id=searching
51	✓ click	css=.absolute
52	✓ click	css=.space-x-8
53	✓ click	css=a:nth-child(4).h-8

https://g21-askatease-f9ys.onrender.com		
	Command	Target
		Value
46	✓ click	css=.font-bold
47	✓ click	css=w-auto
48	✓ mouse over	css=w-auto
49	✓ click	css=a:nth-child(2).h-8
50	✓ click	id=searching
51	✓ click	css=absolute
52	✓ click	css=space-x-8
53	✓ click	css=a:nth-child(4).h-8
54	✓ click	css=p-1
55	✓ click	linkText=My Profile

## Some of the home page functionalities -

The screenshot shows the 'Ask At Ease' home page. On the left, there's a sidebar with a 'Create Space' button and a list of categories: Education, Books, Music, SPORTS, Science, Technology, System Testing, Database, and Software Engineering. In the center, there are several cards representing posts. One card for 'Who is your favorite author?' is visible. A modal window is open in the foreground, titled 'Create Space'. It contains fields for 'Space Name' (set to 'Nature') and 'Description' (set to 'All about Nature'). At the bottom of the modal are 'Cancel' and 'Create' buttons.

This screenshot shows the same 'Ask At Ease' interface. The sidebar now lists 'Nature' as the selected category. A modal window is open, titled 'Add Question', with the question 'What is the best tool for GUI testing?' entered. Below the question, a dropdown menu shows 'Software Engineering -' as the selected category. At the bottom of the modal are 'Cancel' and 'Submit' buttons.

Ask At Ease

g21-askatease-f9ys.onrender.com/ReturnHome

Gemini AI by Google

Create Space +

Nature

Education

Books

Music

SPORTS

Science

Technology

System Testing

Database

Software Engineering

What do you want to ask?

Add Question

Posted on: 02/12/2024

Who is your favourite singer?

Show Answer

Answer

Question: What is the best tool for GUI testing?

Your Answer:

One of the best tools is Selenium. You can try it out.

Submit Answer

Posted on: 02/12/2024

What is the best tool for GUI testing?

Show Answer

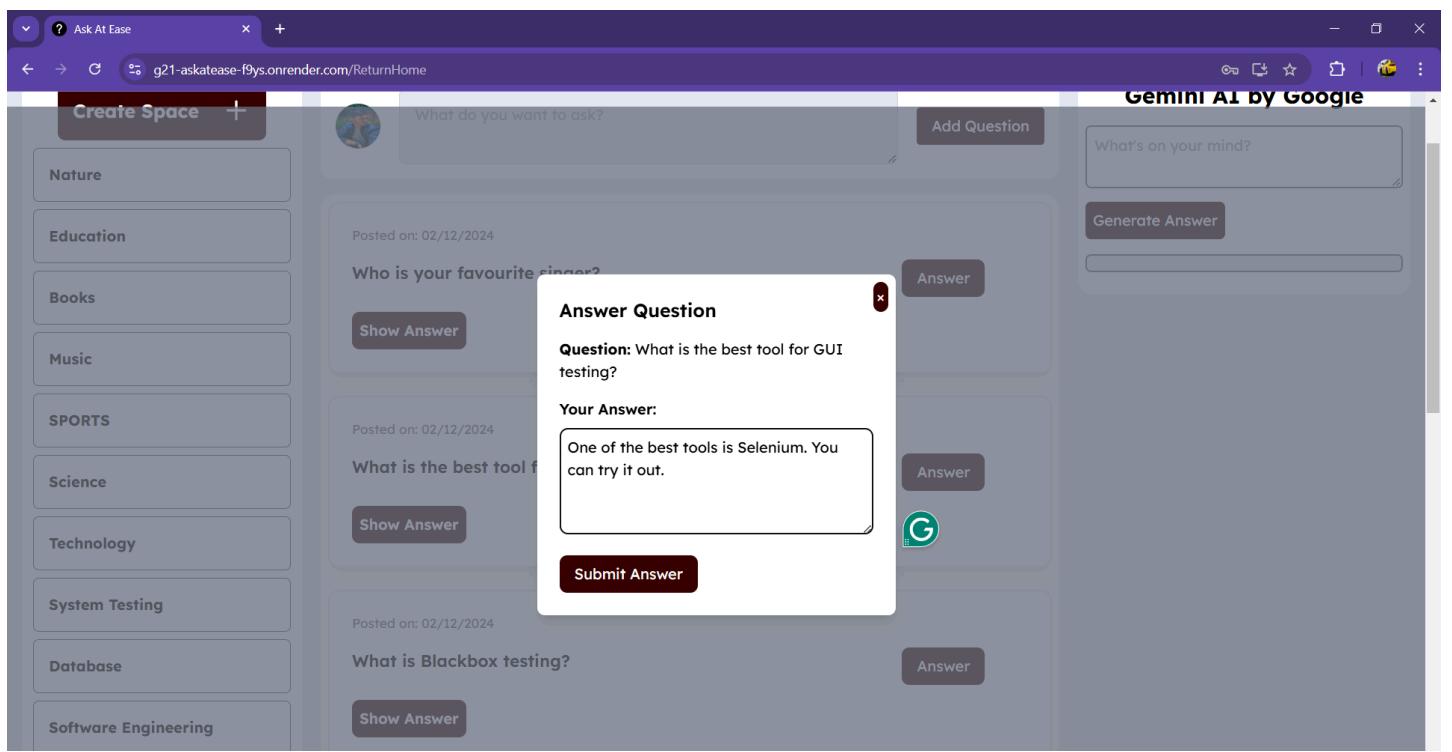
Answer

Posted on: 02/12/2024

What is Blackbox testing?

Show Answer

Answer



Ask At Ease

g21-askatease-f9ys.onrender.com/ReturnHome

Gemini AI by Google

Create Space +

Nature

Education

Books

Music

SPORTS

Science

Technology

System Testing

Database

Software Engineering

What do you want to ask?

Add Question

Posted on: 02/12/2024

Who is your favourite singer?

Show Answer

Answer

Question: What is the best tool for GUI testing?

Your Answer:

Write your answer here...

Submit Answer

Posted on: 02/12/2024

What is the best tool for GUI testing?

Show Answer

Answer

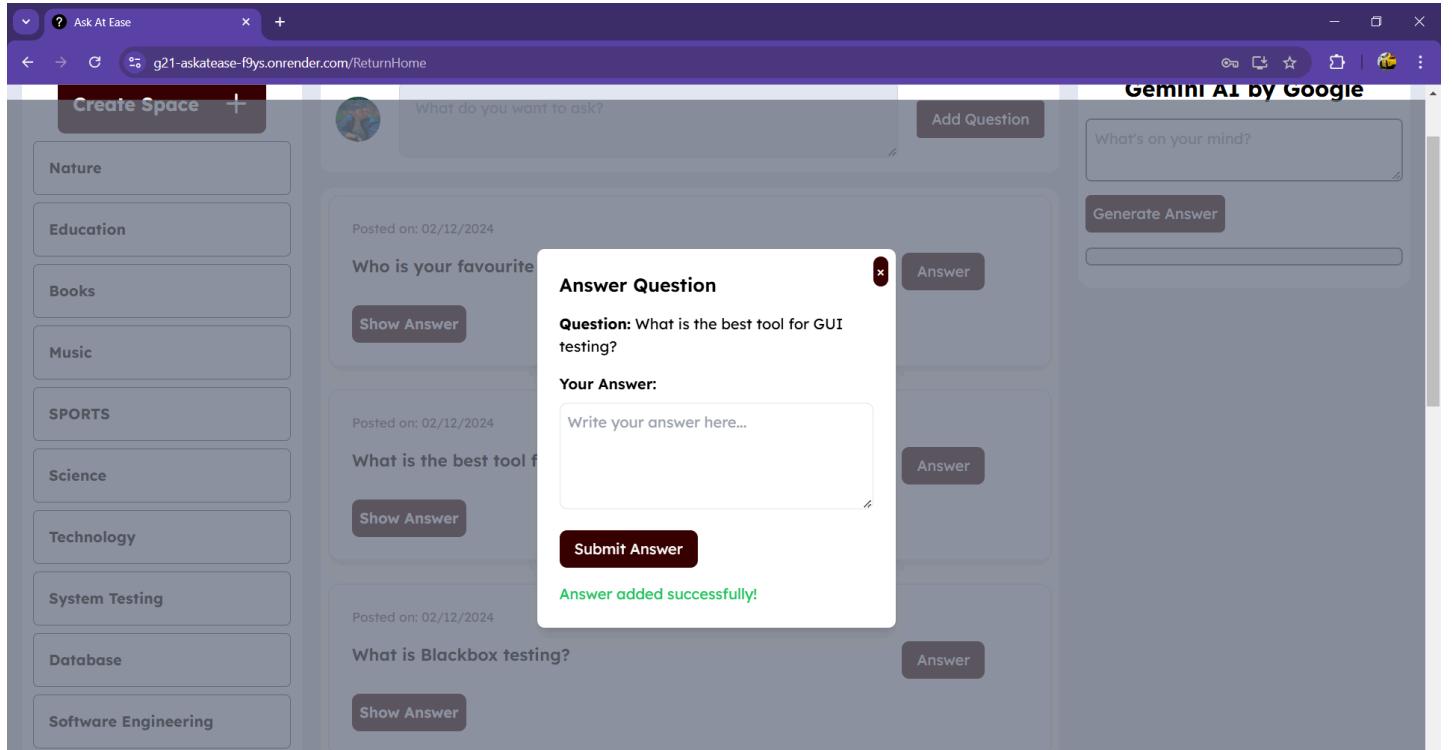
Posted on: 02/12/2024

What is Blackbox testing?

Show Answer

Answer

Answer added successfully!



- Profile Page -

Selenium IDE - Project GUI testing\*

Project: Project GUI testing\*

Tests +

Search tests...

✓ Home page\*  
✓ Login Signup page  
✓ Profile Page\*

https://g21-askatease-flsys.onrender.com

	Command	Target	Value
12	✓ click	css=.space-x-4:nth-child(1)	
13	✓ click	css=max-w-6xl	
14	✓ click	css=qHeader	
15	✓ click	css=w-auto	
16	✓ click	css=p-1	
17	✓ click	css=absolute	
18	✓ click	css=p-1	
19	✓ click	linkText=My Profile	
20	✓ click	css=p-4:nth-child(3)>text-xl	
21	✓ click	css=bg-white:nth-child(2)>text-xl	
22	✓ click	css=mt-4	

Command  //

Target

Value

Description

Log Reference

46. click on css=font-bold OK 11:00:23  
47. click on css=w-auto OK 11:00:23  
48. mouseOver on css=w-auto OK 11:00:23  
49. click on css=a:nth-child(2).h-8 OK 11:00:24  
50. click on id=searching OK 11:00:24

Selenium IDE - Project GUI testing\*

Project: Project GUI testing\*

Tests + ✖️ ✖️ ✖️ ✖️ ✖️ ✖️

Search tests... ✖️ ✖️ ✖️ ✖️ ✖️ ✖️

https://g21-askatease-f9ys.onrender.com

Command	Target	Value
✓ Home page*		
✓ Login Signup page		
✓ Profile Page*		
23 ✓ mouse over	css=.mt-4	
24 ✓ mouse out	css=.mt-4	
25 ✓ click	id=name	
26 ✓ click	id=name	
27 ✓ mouse down at	id=bio	332.3999938964844,53.899993896484375
28 ✓ mouse move at	id=bio	332.3999938964844,53.899993896484375
29 ✓ mouse up at	id=bio	332.3999938964844,53.899993896484375
30 ✓ click	id=bio	
31 ✓ click	id=bio	
32 ✓ click	id=name	
33 ✓ click	id=name	

Command ✖️ ✖️ ✖️

Target ✖️ ✖️ ✖️

Value ✖️ ✖️ ✖️

Description ✖️ ✖️ ✖️

Log Reference ✖️

```

46. click on css=font-bold OK
11:00:23
47. click on css=w-auto OK
11:00:23
48. mouseOver on css=w-auto OK
11:00:23
49. click on css=a:nth-child(2).h-8 OK
11:00:24
50. click on id=searching OK
11:00:24
51.click on ree= absolute OK
11:00:24

```

Selenium IDE - Project GUI testing\*

Project: Project GUI testing\*

Tests + ✖️ ✖️ ✖️ ✖️ ✖️ ✖️

Search tests... ✖️ ✖️ ✖️ ✖️ ✖️ ✖️

https://g21-askatease-f9ys.onrender.com

Command	Target	Value
✓ Home page*		
✓ Login Signup page		
✓ Profile Page*		
30 ✓ click	id=bio	
31 ✓ click	id=bio	
32 ✓ click	id=name	
33 ✓ click	id=name	
34 ✓ click	id=bio	
35 ✓ click	css=bg-gray-300	
36 ✓ click	css=span:nth-child(3)>.h-8	
37 ✓ click	css=w-12	
38 ✓ click	linkText=Change Password	
39 ✓ close		

Command ✖️ ✖️ ✖️

Target ✖️ ✖️ ✖️

Value ✖️ ✖️ ✖️

Description ✖️ ✖️ ✖️

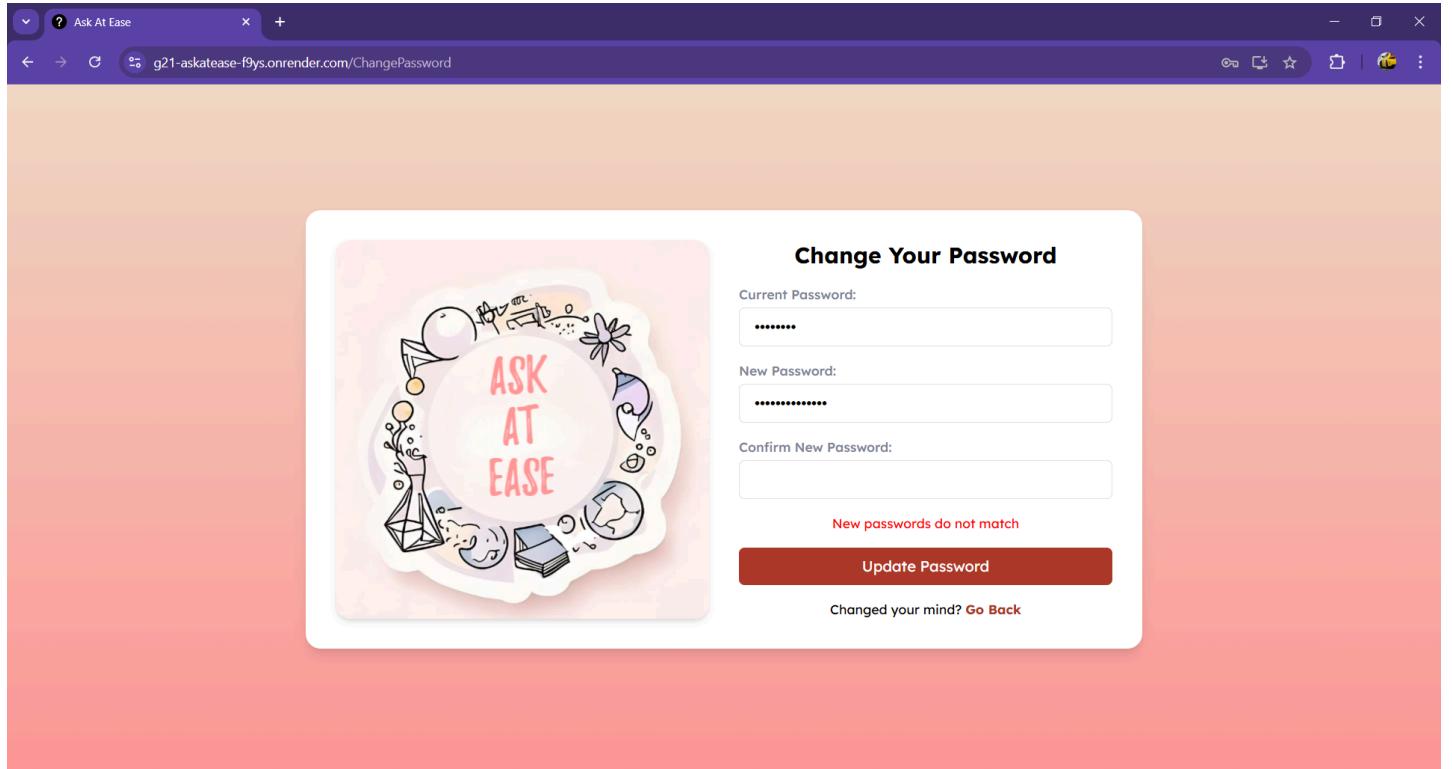
Log Reference ✖️

```

46. click on css=font-bold OK
11:00:23
47. click on css=w-auto OK
11:00:23
48. mouseOver on css=w-auto OK
11:00:23
49. click on css=a:nth-child(2).h-8 OK
11:00:24
50. click on id=searching OK
11:00:24
51.click on ree= absolute OK
11:00:24

```

- Change password -  
Displays error when passwords do not match



## GUI testing -

The screenshot shows the Selenium IDE interface with a test project named 'Change password page'. The test case is titled 'Password change page'. The test steps are as follows:

Step	Command	Target	Value
1	open	/ReturnHome	
2	set window size	782x831	
3	click	css=.p-1	
4	click	linkText=Change Password	
5	click	css=div:nth-child(1) > .px-4	
6	type	css=div:nth-child(1) > px-4	Mee_theunknown
7	click	css=div:nth-child(2) > w-full	
8	type	css=div:nth-child(2) > w-full	Meet2004#
9	click	css=div:nth-child(3) > w-full	
10	type	css=div:nth-child(3) > w-full	Meet2004#
11	click	css=bg-[#AD3B29]	
12	close		