

LITHAN

Design & Develop Front End Community Portal

Module Project

Module: NICF-UI Frameworks

Course: NICF-Advanced Certificate in Web Development

Start Date : 2022/07/14

End Date : 2022/07/16

Submission Date : 22/08/2022

Learner Name : Chathushi Jayarathna

Enrollment ID :

Presentation Date :

Versi on Numb er	Effective Date of release	Summary of Included Changes	Author
1	4 th March 2016	First Edition	Satya CVS
2	7 th April 2017	Changed for Module 2	Shrinivas K R
3	14 th May 2017	Changed for Module 3	Shrinivas K R
4	03 rd May 2018	Changed for RQF	Shrinivas K R
5	16 th Sep 2018	Change for Java Track	Shrinivas K R

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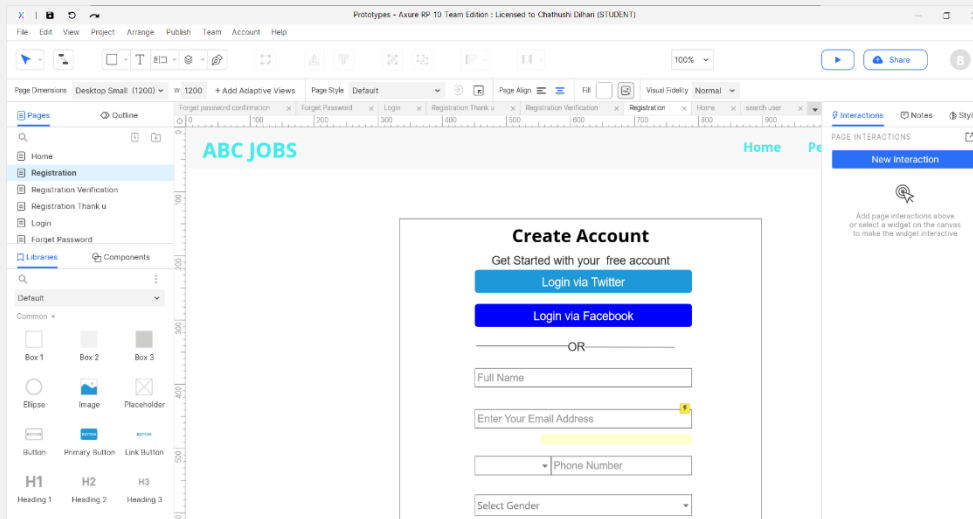
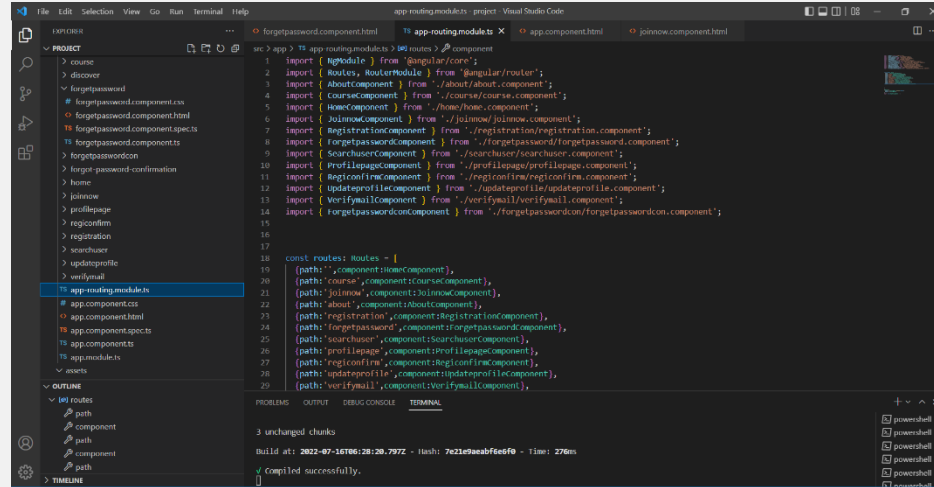
S. No.	Description
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1. Development Tools

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Visual Studio Code



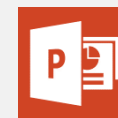
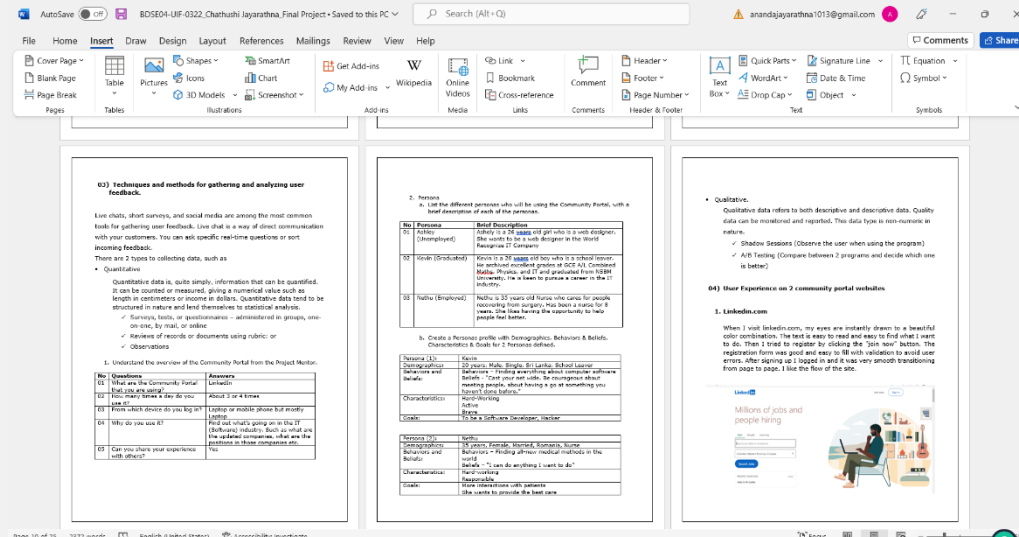
Axure

1. Development Tools

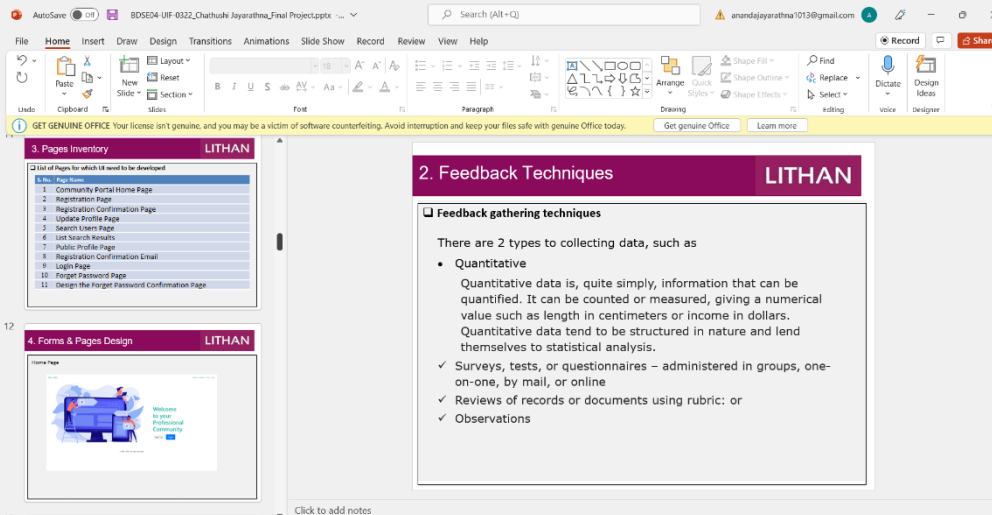
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MS Word



MS PowerPoint

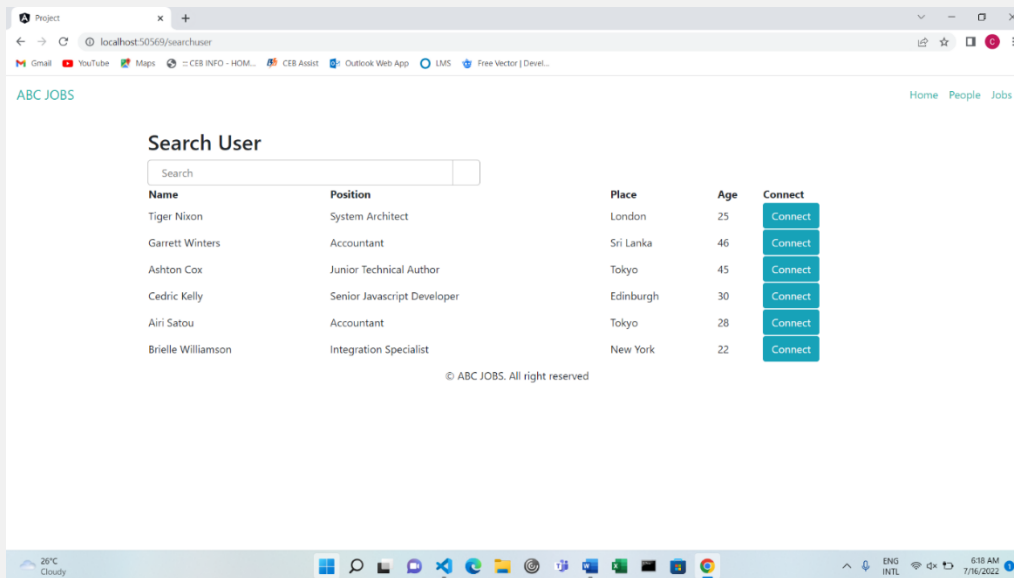
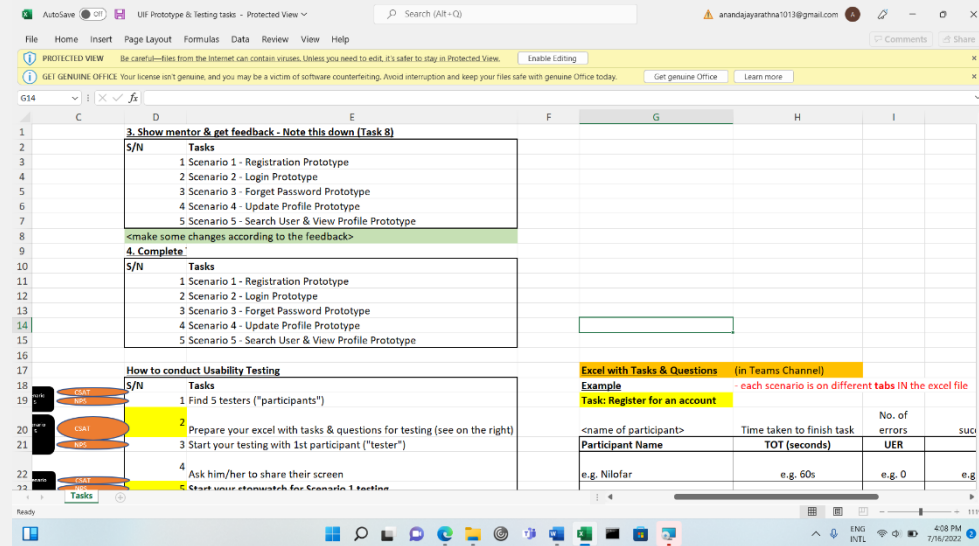


1. Development Tools

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MS Excel



Chrome

1. Development Tools

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Angular

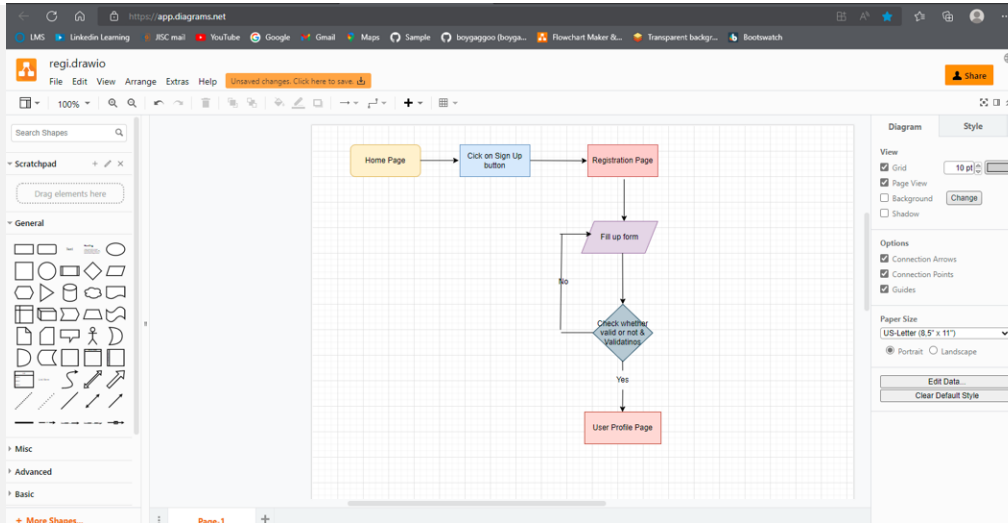
The screenshot shows the Angular CLI web interface in a browser window. The address bar shows 'localhost:4200'. The browser's bookmark bar includes 'Apps', 'Bookmarks', 'Blogs', 'Read later', 'Web', 'Other', 'everywhereIM', and 'Research blogs'. The page has a blue header with the Angular logo and the word 'Welcome', and a Twitter icon on the right. Below the header, a red circular icon with a white rocket ship is next to a blue button that says 'angular-app app is running!'. The main content area is divided into two sections: 'Resources' and 'Next Steps'. The 'Resources' section has the heading 'Here are some links to help you get started:' and three buttons: 'Learn Angular >', '<> CLI Documentation >', and 'Angular Blog >'. The 'Next Steps' section has the heading 'What do you want to do next with your app?' and six buttons arranged in two rows: '+ New Component', '+ Angular Material', '+ Add PWA Support', '+ Add Dependency', '+ Run and Watch Tests', and '+ Build for Production'. Below these buttons is a dark terminal window with the text 'ng generate component xyz'. At the bottom of the page, there are six circular icons for various Angular ecosystem tools and a link 'Love Angular? Give our repo a star.' followed by a '★ Star >' button.

1. Development Tools

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Regi.drawio



```
ng serve
Microsoft Windows [Version 10.0.19043.1706]
(c) Microsoft Corporation. All rights reserved.

C:\Users\PC\ng> npm config global --global, --local are deprecated. Use --location-global instead.
0.11.0

C:\Users\PC\ng> npm install -g typescript
npm config global --global, --local are deprecated. Use --location-global instead.
changed 1 package, and audited 2 packages in 16s

found 0 vulnerabilities

C:\Users\PC\ng> npm install -g angular/cli
npm config global --global, --local are deprecated. Use --location-global instead.
changed 219 packages, and audited 220 packages in 51s

21 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

C:\Users\PC\ng> ng new xyzcars
? Would you like to add Angular routing? Yes
? Which stylesheet format would you like to use? CSS
CREATE xyzcars/angular.json (2027 bytes)
CREATE xyzcars/package.json (1038 bytes)
CREATE xyzcars/README.md (1801 bytes)
CREATE xyzcars/tsconfig.json (563 bytes)
CREATE xyzcars/.editorconfig (274 bytes)
CREATE xyzcars/.gitignore (548 bytes)
CREATE xyzcars/.browserslistrc (600 bytes)
CREATE xyzcars/karma.conf.js (1424 bytes)
CREATE xyzcars/tsconfig.app.json (207 bytes)
CREATE xyzcars/tsconfig.spec.json (333 bytes)
CREATE xyzcars/.vscode/extensions.json (138 bytes)
CREATE xyzcars/.vscode/launch.json (474 bytes)
CREATE xyzcars/.vscode/tasks.json (938 bytes)
CREATE xyzcars/src/favicon.ico (940 bytes)
CREATE xyzcars/src/index.html (203 bytes)
CREATE xyzcars/src/main.ts (372 bytes)
CREATE xyzcars/src/polyfills.ts (2188 bytes)
CREATE xyzcars/src/styles.css (80 bytes)
CREATE xyzcars/src/test.ts (440 bytes)
CREATE xyzcars/src/assets/.gitkeep (0 bytes)
CREATE xyzcars/src/environments/environment.prod.ts (51 bytes)
CREATE xyzcars/src/environments/environment.ts (658 bytes)
CREATE xyzcars/src/app/app-routing.module.ts (245 bytes)
```



2. Feedback Techniques

❑ Feedback gathering techniques

There are 2 types to collecting data, such as

- Quantitative

Quantitative data is, quite simply, information that can be quantified. It can be counted or measured, giving a numerical value such as length in centimeters or income in dollars.

Quantitative data tend to be structured in nature and lend themselves to statistical analysis.

- ✓ Surveys, tests, or questionnaires – administered in groups, one-on-one, by mail, or online
- ✓ Reviews of records or documents using rubric: or
- ✓ Observations

2. Feedback Techniques

- Qualitative.

Qualitative data refers to both descriptive and descriptive data.

Quality data can be monitored and reported. This data type is non-numeric in nature.

- ✓ Shadow Sessions (Observe the user when using the program)
- ✓ A/B Testing (Compare between 2 programs and decide which one is better)

3. Pages Inventory

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☐ List of Pages for which UI need to be developed

S. No.	Page Name
1	Community Portal Home Page
2	Registration Page
3	Registration Confirmation Page
4	Update Profile Page
5	Search Users Page
6	List Search Results
7	Public Profile Page
8	Registration Confirmation Email
9	Login Page
10	Forget Password Page
11	Design the Forget Password Confirmation Page

4. Forms & Pages Design

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Login Page

ABC JOBSHOMEPEOPLEJOBS

Email Address

Password

[FORGOT PASSWORD](#)

LOG IN

ABC JOBS @ all right reserved

Registration Page

ABC JOBSHOMEPEOPLEJOBS

Create Account
Get Started with your free account

Login via Twitter

Login via Facebook

OR

Full Name

Enter Your Email Address

Phone Number

Select Gender

Create Password

Repeat Password

Create Account

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4. Forms & Pages Design

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Forgot password page

ABC JOBSHOMEPEOPLEJOBS

[Register](#)
[Forgot Password](#)
[Login](#)
[Learn More](#)

Forgot Password

Please enter your email address below and we will send you information to change your password


Email address

[Reset Password](#)

An email has been sent to your address with a reset password you can use to access your account

ABC JOBS @ all right reserved

Forgot password confirmation page



Forgot Password Confirmation

As per your request, you will receive an email with a temporary passwords. Use this password to login. Once you logged in you will be able to change your password.

[Continue](#)

4. Forms & Pages Design

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Search user page

ABC JOBSHOMEPEOPLEJOBS


Search User

Name	Position	Place	Age	Connect
Tiger Nixon	System Architect	London	25	Connect
Garrett Winters	Accountant	Sri Lanka	46	Connect
Ashton Cox	Junior Technical Author	Tokyo	45	Connect
Cedric Kelly	Senior Javascript Developer	Edinburgh	30	Connect
Airi Satou	Accountant	Tokyo	28	Connect
Brielle Williamson	Integration Specialist	New York	22	Connect

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Update Profile Page

ABC JOBSHOMEPEOPLEJOBS



Placeholder for profile picture

Kara Ashley

Software Engineer & Designer

[Edit Profile](#)

Placeholder for bio text

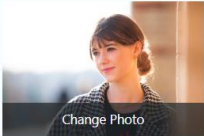
Name	Enter Name Here
Phone	Add Mobile Number
Education	Add Education Qualifications
	+
	+
Skills	Add Skills
	+
	+

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5. Forms & Pages Feedback

c	Forms / Pages	Feedback Received	Modifications Implemented
01	Update Profile Page	It would be great if you could upload a cover photo	Add cover photo section

Before



Change Photo

Kara Ashley

Software Engineer & Designer

Edit Profile

SKILLS

Software Enginner

Designer

UX Designer

Name

Enter Name Here

Phone

Add Mobile Number

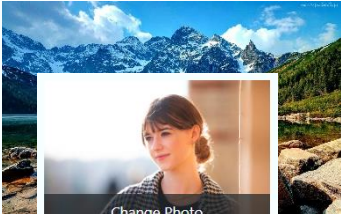
Education

Add Education Qualifications

Skills

Add Skills

After



Change Photo

Kara Ashley

Software Engineer & Designer

Edit Profile

SKILLS

Software Engineer

Designer

UX Designer

Name

Enter Name Here

Phone

Add Mobile Number

Education

Add Education Qualifications

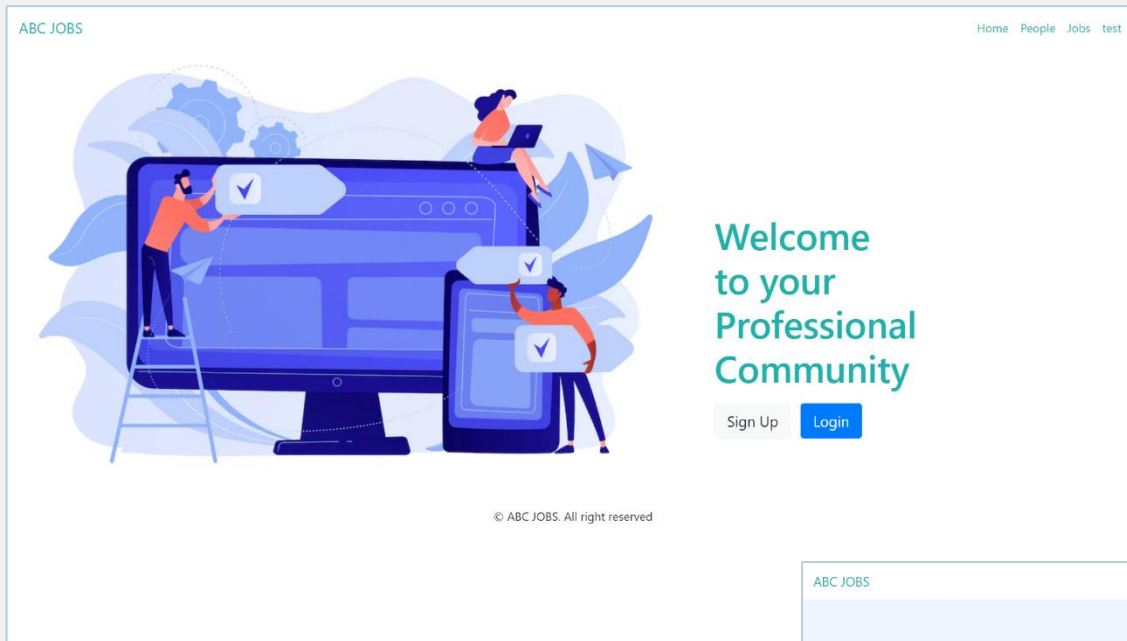
Skills

Add Skills

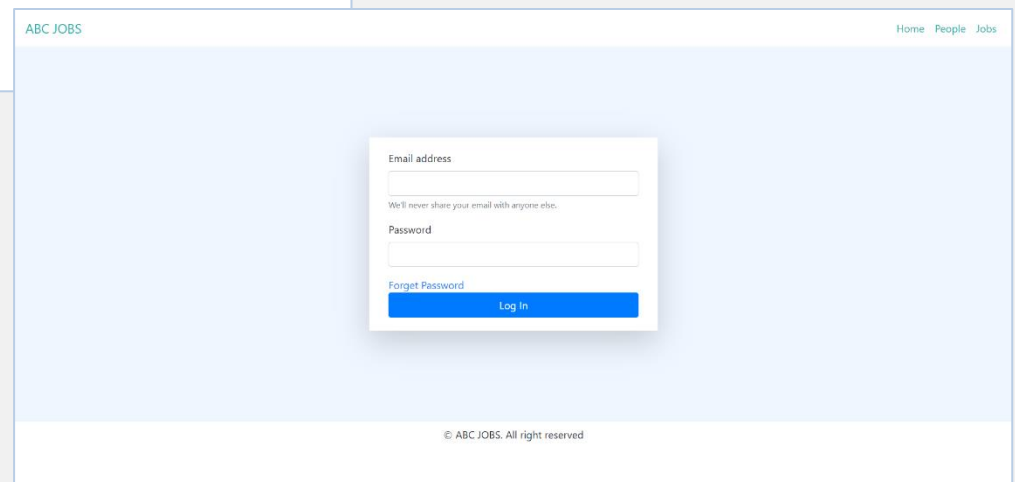
6. HTML Pages

LITHAN

❑ Home Page



Login Page



Forgot Password Page

ABC JOBS

Home People Jobs

Register

Forgot Password

Login

LEARN MORE

Forgot Password

Please enter your email address below and we will send you information to change your password.

Email Address

Reset Password

An email has been sent to your address with a reset password you can use to access your account.

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Reset Password Sent

Forgot Password Conformation

ABC JOBS

Home People Jobs

✓

Forgot Password Confirmation

As per your request, you will receive an email with a temporary passwords. Use this password to login. Once you logged in you will be able to change your password.

Continue

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Registration Form

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Home People Jobs

Create Account

Get started with your free account

Login via Twitter

Login via facebook

OR

Full name

Email address

+94 Phone number

Select Gender

Create password

Repeat password

Create Account

Have an account? [Log In](#)

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6. HTML Pages

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Registration Confirmation Email

ABC JOBS

Home People Jobs

ABC JOBS

Verify your Email Address

Please verify that name@gmail.com is your email address by clicking the button below


Confirm Email

© ABC JOBS. All right reserved

Registration Thank you

ABC JOBS

Home People Jobs



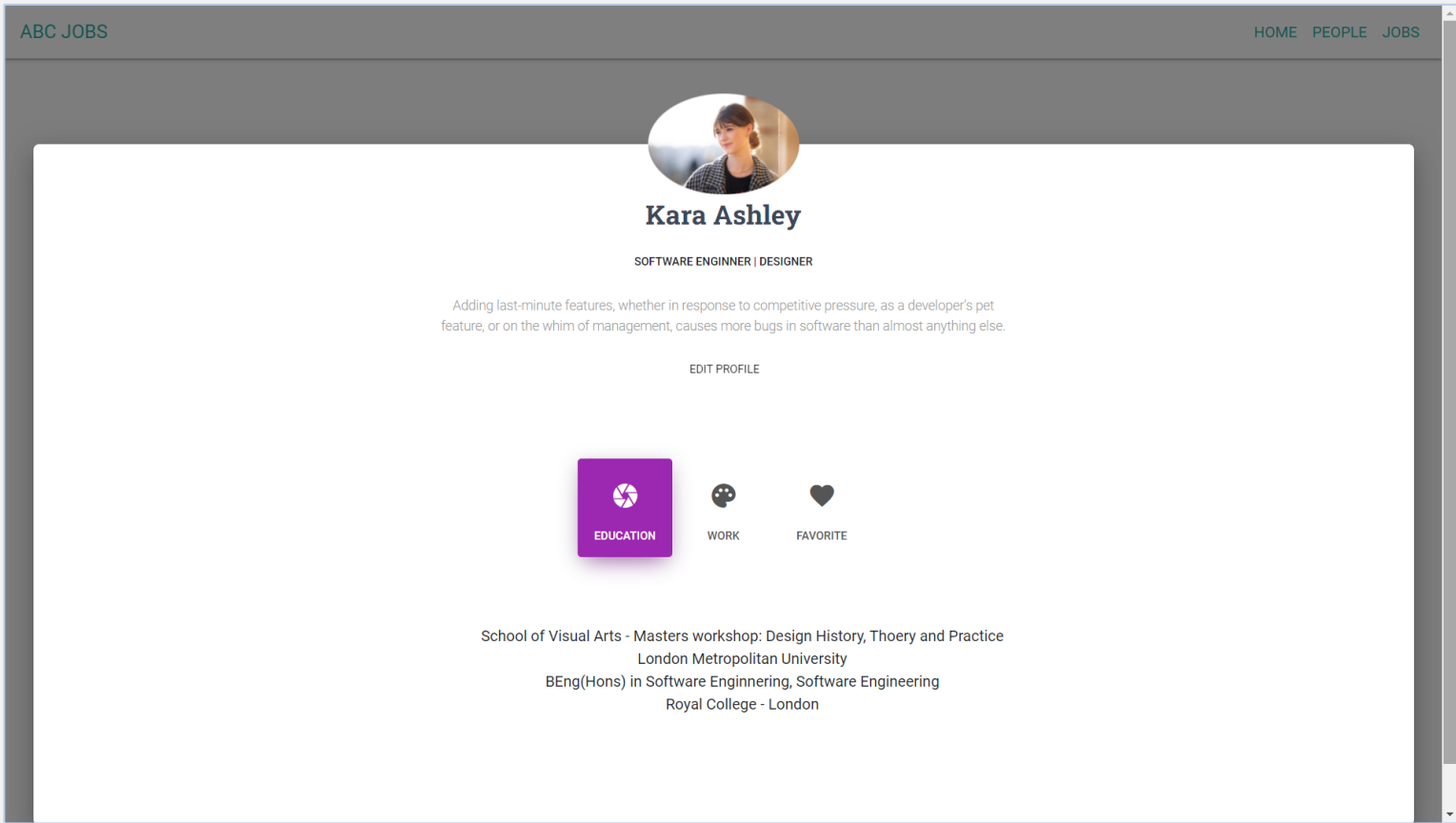
Thank you for Your Registration

We have sent email to name@gmail.com to confirmation. Please confirm your email to activate your account

Continue

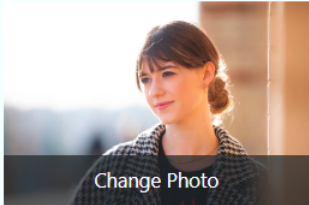
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User Profile page



6. HTML Pages

Update Profile page



Change Photo

SKILLS

Software Enginner
Designer
UX Designer

Kara Ashley

Software Engineer & Designer

Edit Profile

Name

Enter Name Here

Phone

Add Mobile Number

Education

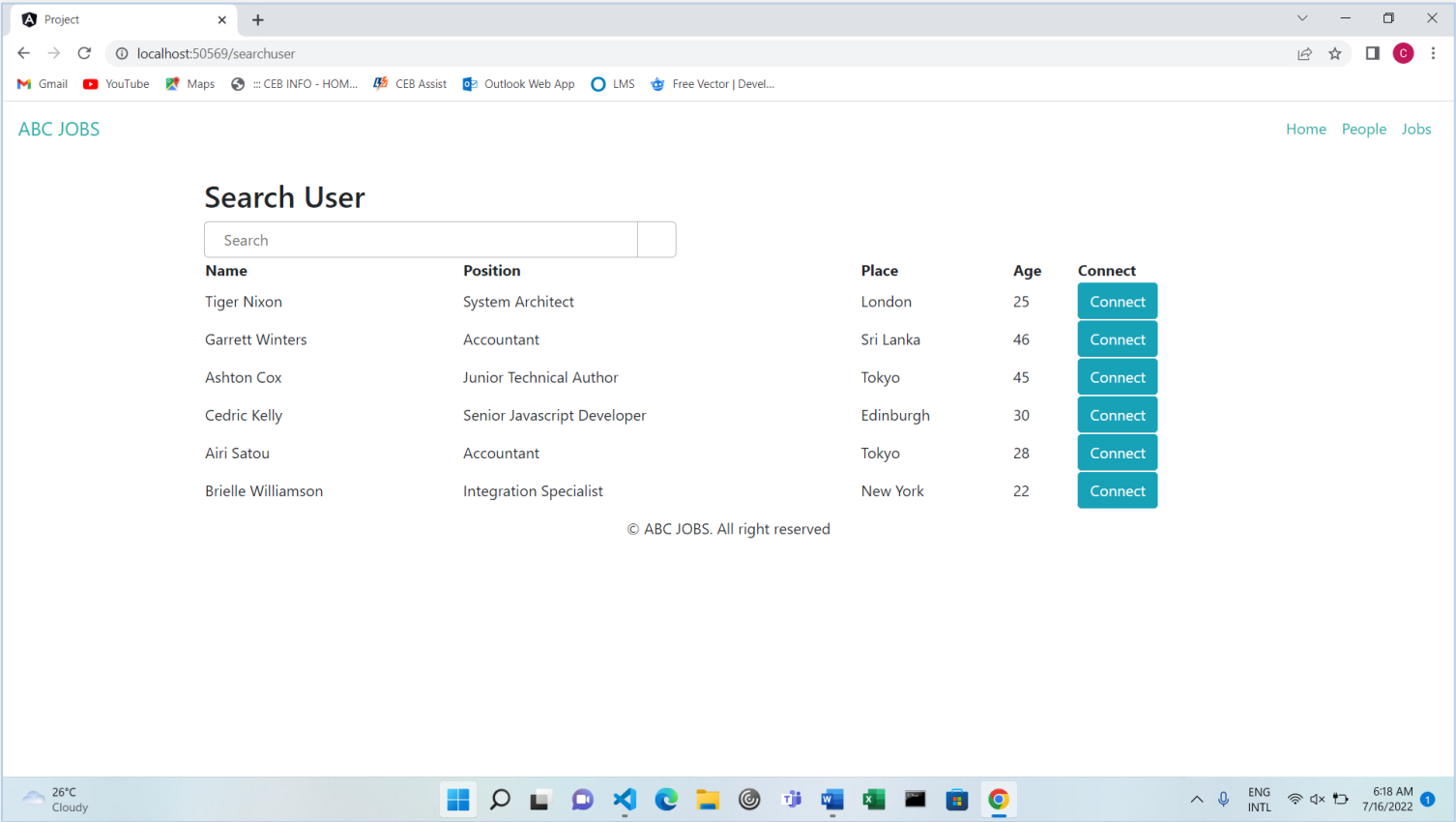
Add Education Qualifications

Skills

Add Skills

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Search user Page



7. Usability Metrics

- Test name (The content name which is going to be tested)
- Test cases (For the serial and case number of test for the selected form)
- Features (The section with which developer want to test)
- Description (Description section is for the description of the selected page)
- Steps to execute (Explain the steps need to execute on the text)
- Test data (initially not required)
- Expected results (the result will be displayed after execute the mentioned test)

Participant Name	TOT (seconds)	UER	TSR	Observation	Feedback
	TOT	UER	TSR		
Average Score					
<u>Analysis & Suggested Improvements</u>					
- ...					

8. User Interaction Steps

❑ Scenario 1: Login Page

Interaction Process

From Portal Home Page

- User clicks on “Login” button link and reaches the Login page
- User is required to key in all the required information (Email address and password)
- Upon clicking on the login button validation checks will be performed and error messages will be promoted
- If cannot remember password user can click “Forgot password” link and reaches the forgot password page to reset password
- User is required to add email address
- Upon clicking on reset password button user can reset password
- If their no invalid details user will enters to the community portal successfully

8. User Interaction Steps

❑ Scenario 1: Registration Page

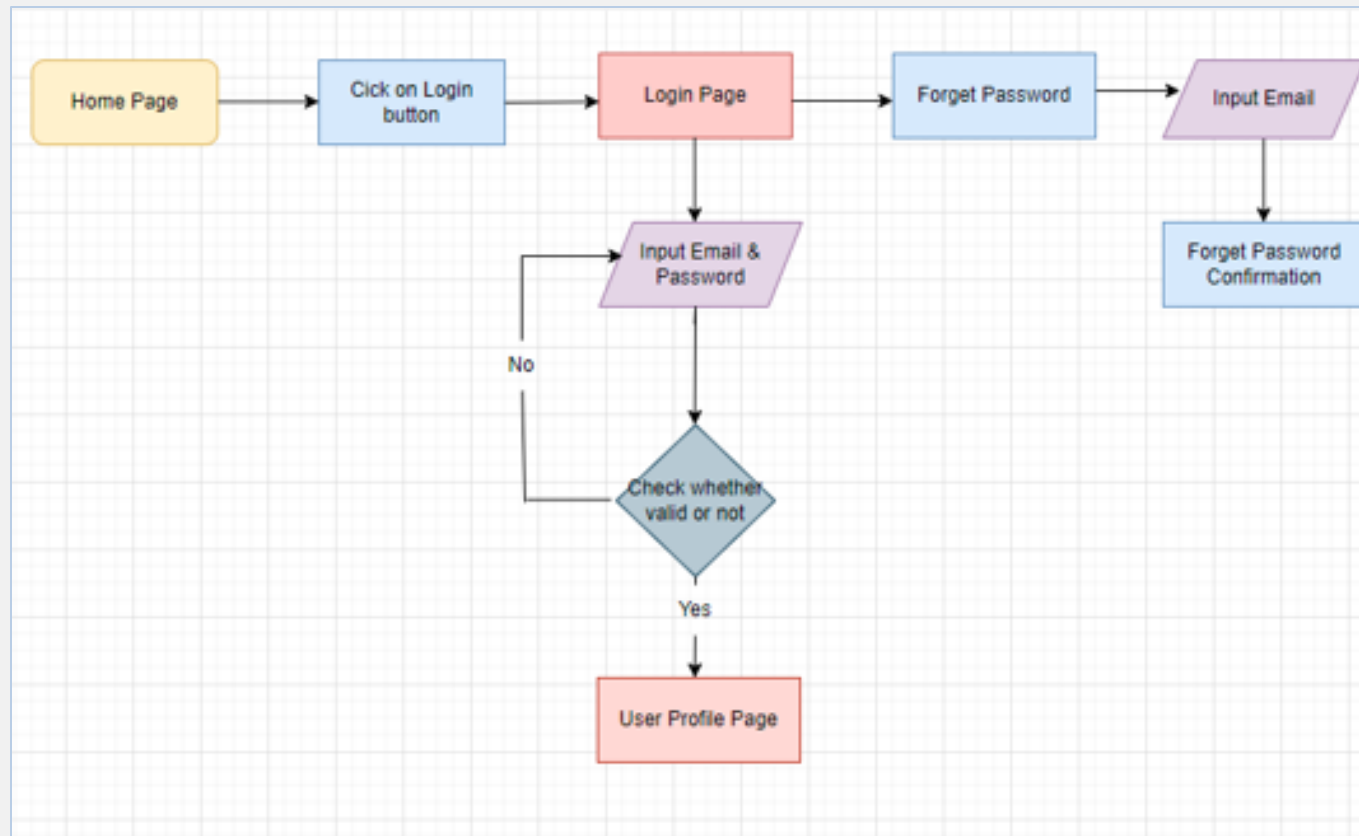
Interaction Process

From landing home page

1. Users click on the "sign up" button to reach the login page.
2. User is required to key in the required information(Name, Email, Phone number, Gender, password) and clicks on the "sign up" button
3. Upon clicking on the signup button, validation checks will be performed, and error messages will be prompted to the user if any required information is missing.
4. Displaying the Registration confirmation page
5. Upon clicking on the "Continue" button reach the registration confirmation mail page
6. Upon clicking the "Verify Email address" button reach the Login page
7. User clicking the "sign in" link reaches the login page

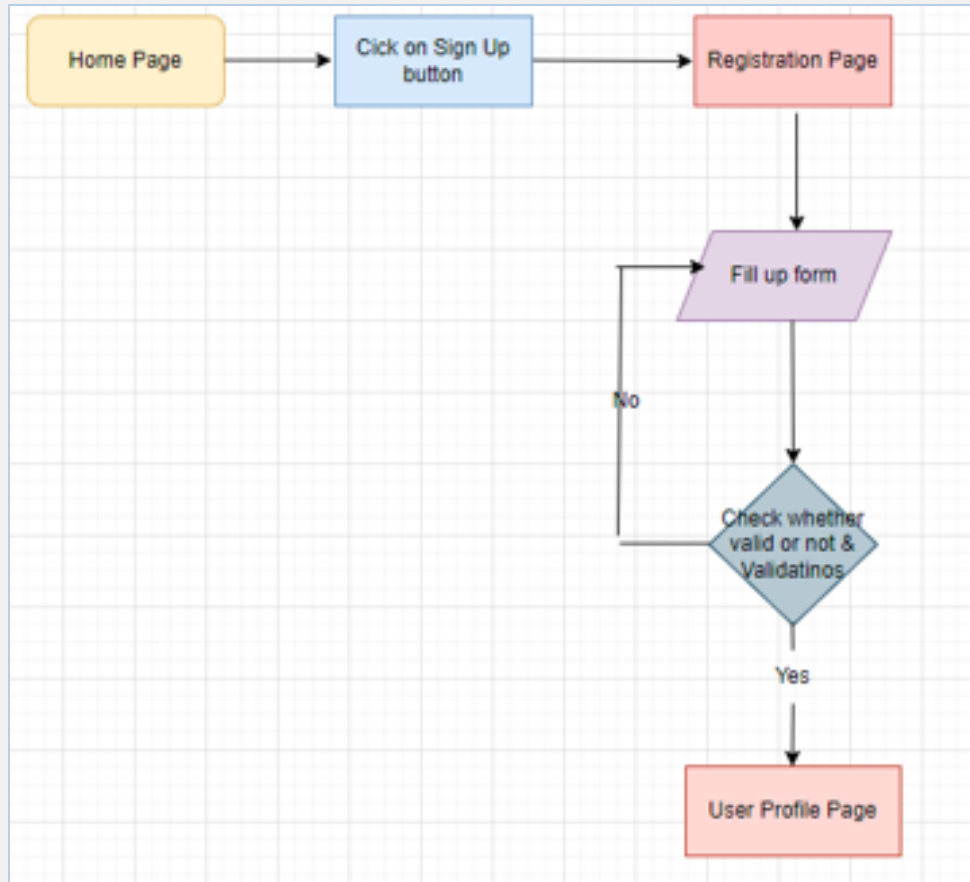
9. User Interaction Flowchart

❑ Scenario 1: Login Page



9. User Interaction Flowchart

❑ Scenario 1: Registration Page



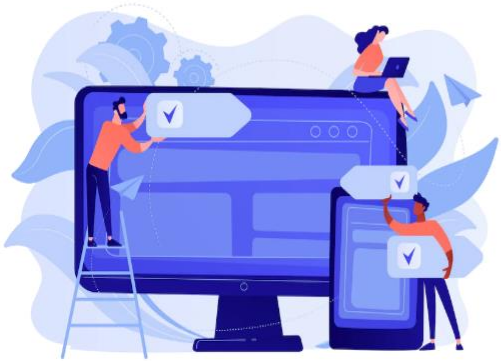
11. Prototype Screen

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Home Page

ABC JOBS

HomePeopleJobs



Welcome
to your
Professional
Community

Sign UpLogin

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Registration page

ABC JOBS

HomePeopleJobs

Create Account

Get Started with your free account

Login via Twitter

Login via Facebook

OR

Full Name

Enter Your Email Address

Phone Number

Select Gender

Create Password

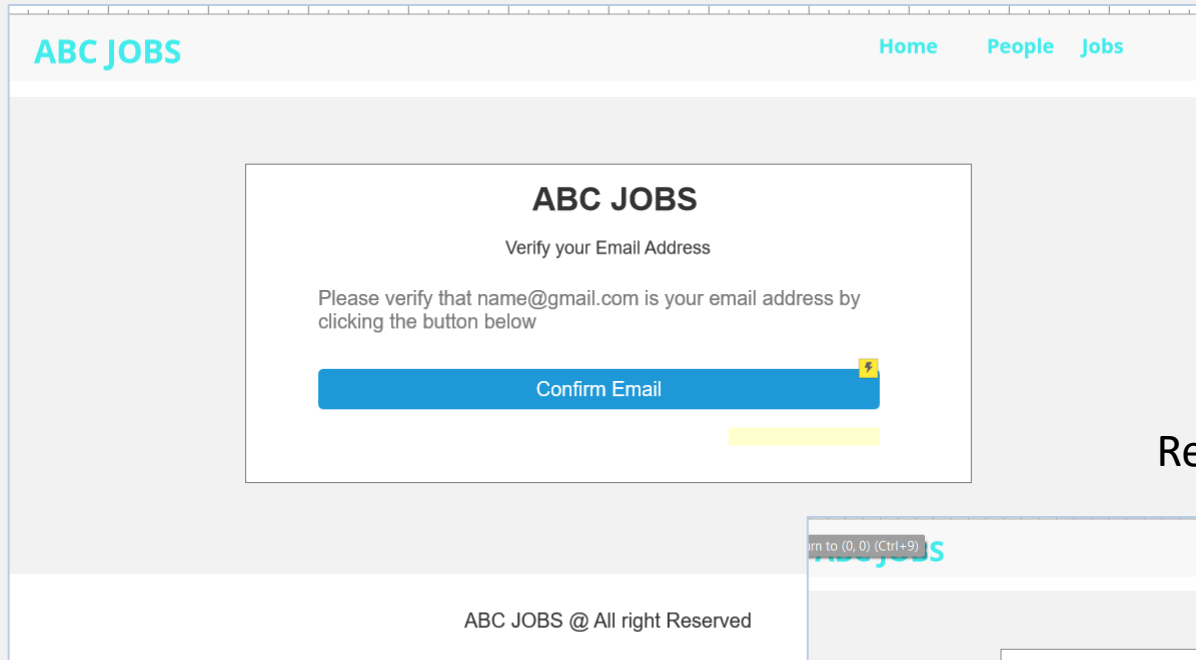
Repeat Password

Create Account

11. Prototype Screen

LITHAN

Email Verification



ABC JOBS

Home People Jobs

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Verify your Email Address

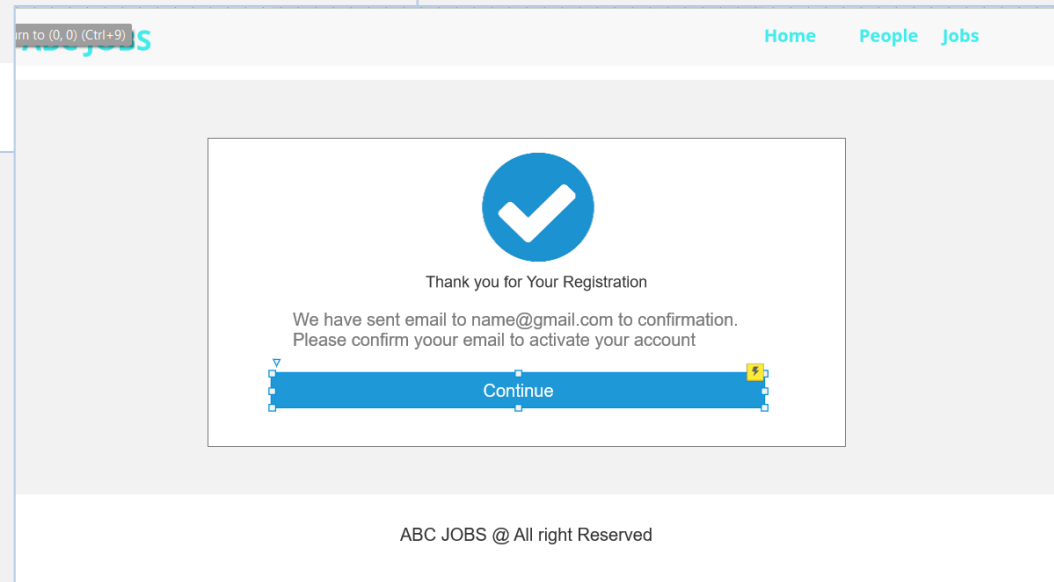
Please verify that name@gmail.com is your email address by clicking the button below

Confirm Email

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This is a prototype of an email verification screen. It features a header with the 'ABC JOBS' logo and navigation links for 'Home', 'People', and 'Jobs'. The main content area contains a centered box with the title 'ABC JOBS' and the instruction 'Verify your Email Address'. Below this, a message asks the user to verify their email address (name@gmail.com) by clicking a button. The button is labeled 'Confirm Email' and has a yellow cursor icon. A yellow rectangular area is visible below the button. The footer contains the text 'ABC JOBS @ All right Reserved'.

Registration Thank you



ABC JOBS

Home People Jobs



Thank you for Your Registration

We have sent email to name@gmail.com to confirmation.
Please confirm your email to activate your account

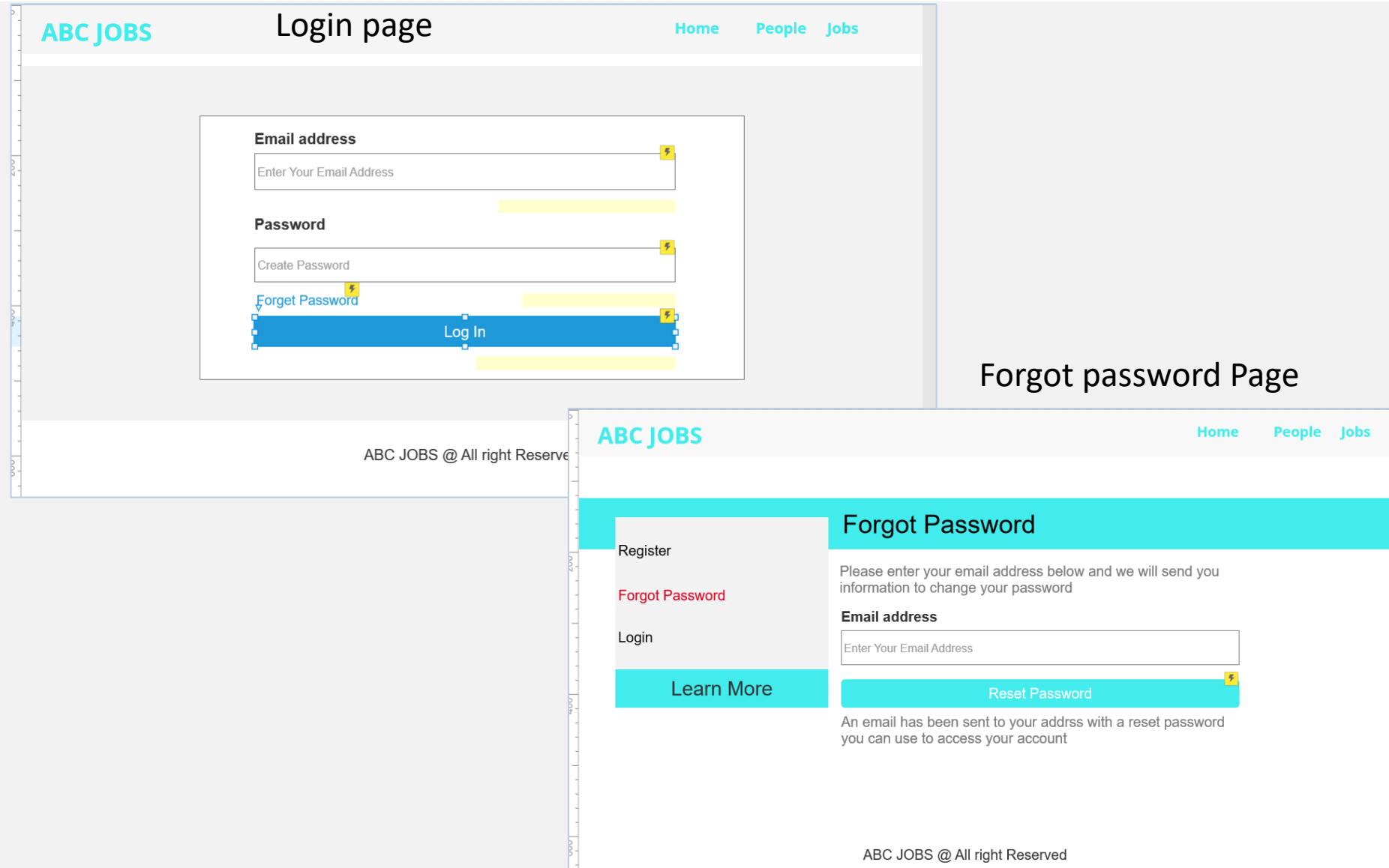
Continue

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This is a prototype of a registration thank you screen. It features a header with the 'ABC JOBS' logo and navigation links for 'Home', 'People', and 'Jobs'. The main content area contains a centered box with a large blue checkmark icon at the top. Below the icon, the text reads 'Thank you for Your Registration'. A message follows: 'We have sent email to name@gmail.com to confirmation. Please confirm your email to activate your account'. Below this message is a blue button labeled 'Continue' with a yellow cursor icon. The footer contains the text 'ABC JOBS @ All right Reserved'.

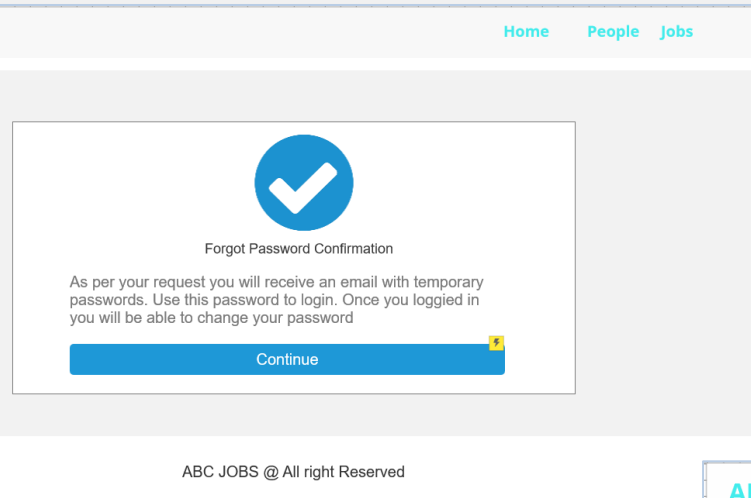
11. Prototype Screen

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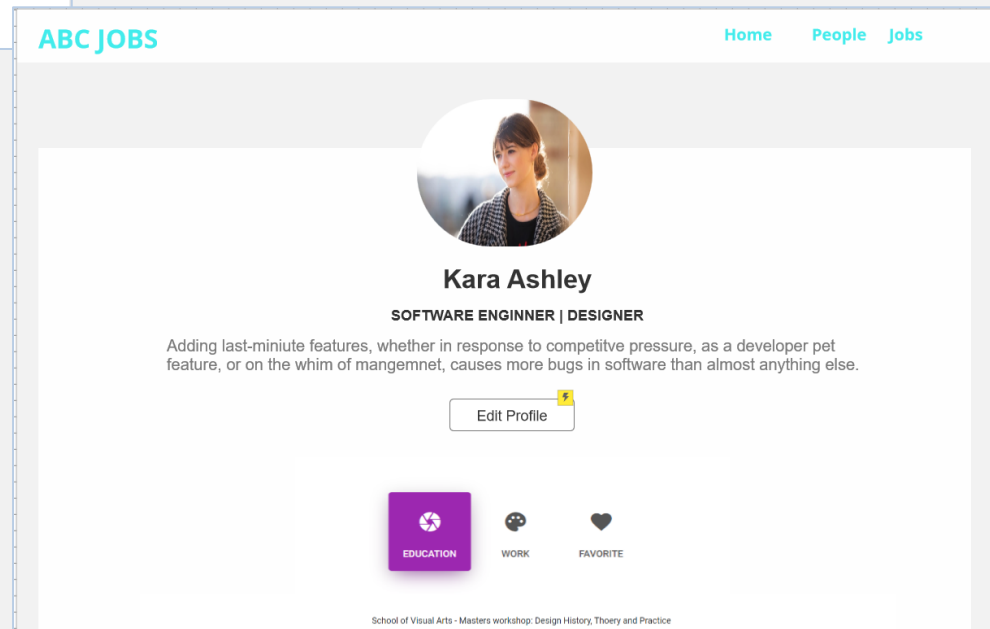


11. Prototype Screen

Forgot password Confirmation



User Profile page



11. Prototype Screen

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Search User list

ABC JOBS[Home](#)[People](#)[Jobs](#)

Search User


Search

Name	Position	Place	Age	Connect
Tiger Nixon	System Architect	London	25	Connect
Garrett Winters	Accountant	Sri Lanka	46	Connect
Ashton Cox	Junior Technical Author	Tokyo	45	Connect
Cedric Kelly	Senior Javascript Developer	Edinburgh	30	Connect
Airi Satou	Accountant	Tokyo	28	Connect
Brielle Williamson	Integration Specialist	New York	22	Connect

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Update profile page

ABC JOBS[Home](#)[People](#)[Jobs](#)



Kara Ashley
Software Engineer & Designer

Edit Profile

Skills
Software Engineer
Designer
UX Designer

Name

Enter Name Here

Phone

Add Mobile Number

Education

Add Education Qualifications

+

+

Skills

Add Skills

+

+

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12. Prototype Feedback

1. Community Portal Home Page – Add Logo
2. Registration Page – Add county dropdown
3. Registration Confirmation Page – All good
4. Update Profile Page – Add cover photo section
5. Search Users Page – Add types (like city, education, etc,)
6. List Search Results
7. Public Profile Page -
8. Registration Confirmation Email – All good
9. Login Page – Add username field without email
10. Forget Password Page – All good

13. Usability Test

- Registration Page

Participant Name	TOT (Seconds)	UER	TSR	Observation	Feedback
Chathu	47	0	1	All good	No feedback
Tharuka	53	2	1	Not entering phone code	No feedback
Thusith	39	1	1	Not select gender	No feedback
Cara	41	0	1	All good	Add Region
Rahul	43	0	1	All good	No feedback

	TOT	UER	TSR
Average Score	30	30%	100%

13. Usability Test

- Update Profile Page

Participant Name	TOT (Seconds)	UER	TSR	Observation	Feedback
Chathu	32	0	1	All good	No feedback
Tharuka	52	1	1	Trying to change email	No feedback
Thusith	44	0	1	All good	No feedback
Cara	32	1	1	Trying to change email	No feedback
Rahul	20	0	1	All good	No feedback

	TOT	UER	TSR
Average Score	36%	28%	100%

14. Project Milestones & Tasks

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Project Task ID	Project Task Description	Project Milestone ID
1	Create requirement specification	1
2	Develop wireframe/prototype for the website	1
3	Develop user interaction steps and flowchart	1
4	Develop HTML Pages with Bootstrap and Angular	2
5	Analysis user experience	2
6	Test the application	2

15. Milestone Feedback & Action taken

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Project Milestone ID	Milestone Feedback received from Tutor / Learning Facilitator	Action Taken (Yes / No)
1	Add icon to update photo in update profile page	yes
2	Add validations to phone numbers	No
3		

16. Project Results (1/2)

❑ List of HTML Pages being Produced

- Homepage
- Login Page
- Registration Page
- Registration Confirmation Page
- Registration Confirmation Email page
- Forgot Password Page
- Forgot Password Confirmation Page
- Search Users Page
- Public Profile View Page
- Profile Page
- Edit Profile Page

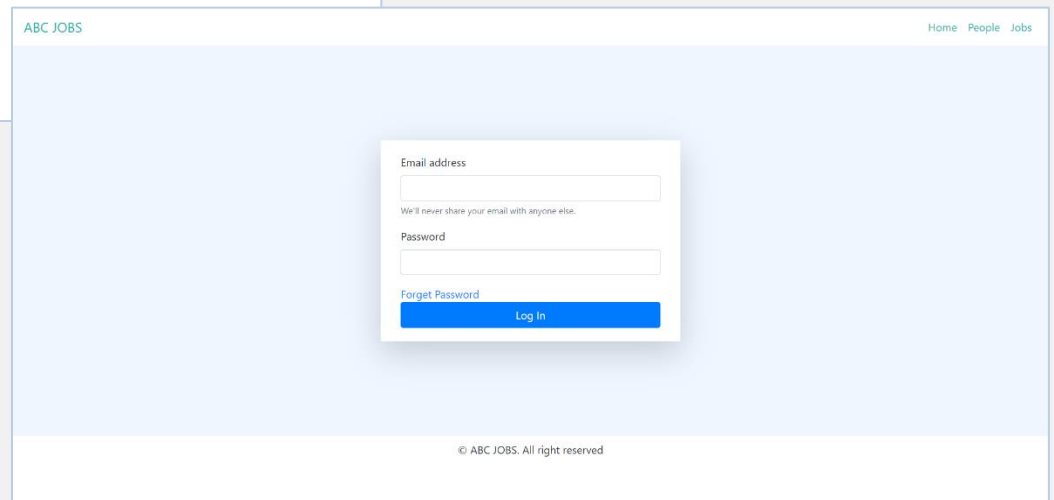
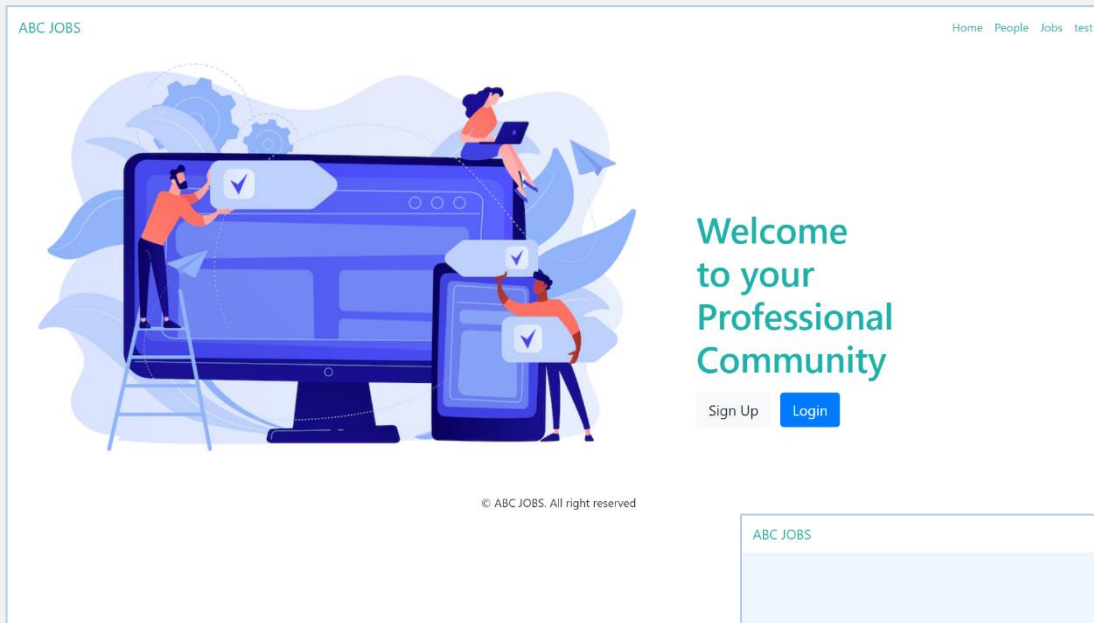
❑ Links of the Pages

- Localhost:4200/login
- Localhost:4200/registration
- Localhost:4200/reg-con-email
- Localhost:4200/reg-con
- Localhost:4200/user-search
- Localhost:4200/search-list
- Localhost:4200/forgot-password
- Localhost:4200/forgot-pass-confirm
- Localhost:4200/user-profile
- Localhost:4200/edit-user-profile

16. Project Results (2/2)

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❑ Screen Capture of Pages Using Bootstrap & Angular



16. Project Results (2/2)

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Create Account

Get started with your free account

Login via Twitter

Login via facebook

OR

Full name

Email address

+94 Phone number

Select Gender

Create password

Repeat password

Create Account

Have an account? [Log In](#)

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ABC JOBS Home People Jobs

Register

Forgot Password

Login

LEARN MORE

Forgot Password

Please enter your email address below and we will send you information to change your password.

Email Address

Reset Password

An email has been sent to your address with a reset password you can use to access your account.

Reset Password Sent

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17. Proposed Improvements

☐ List of Improvements

- Add Validations to all text fields
- Use gradient color in all pages