



Requirements Specification and Design

ITIS- 5166 Network Based Application Development

Master of Science University of North Carolina at Charlotte

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Application Overview

The aim of the “Carrier Fair website ” is to give an easy availability for the students and employees who are in search of JOB's.

There are two kinds of users present for this application. They are listed below:

- a. Registered/LogedIn User
- b. Un-Registered/Un-LogedIn User.

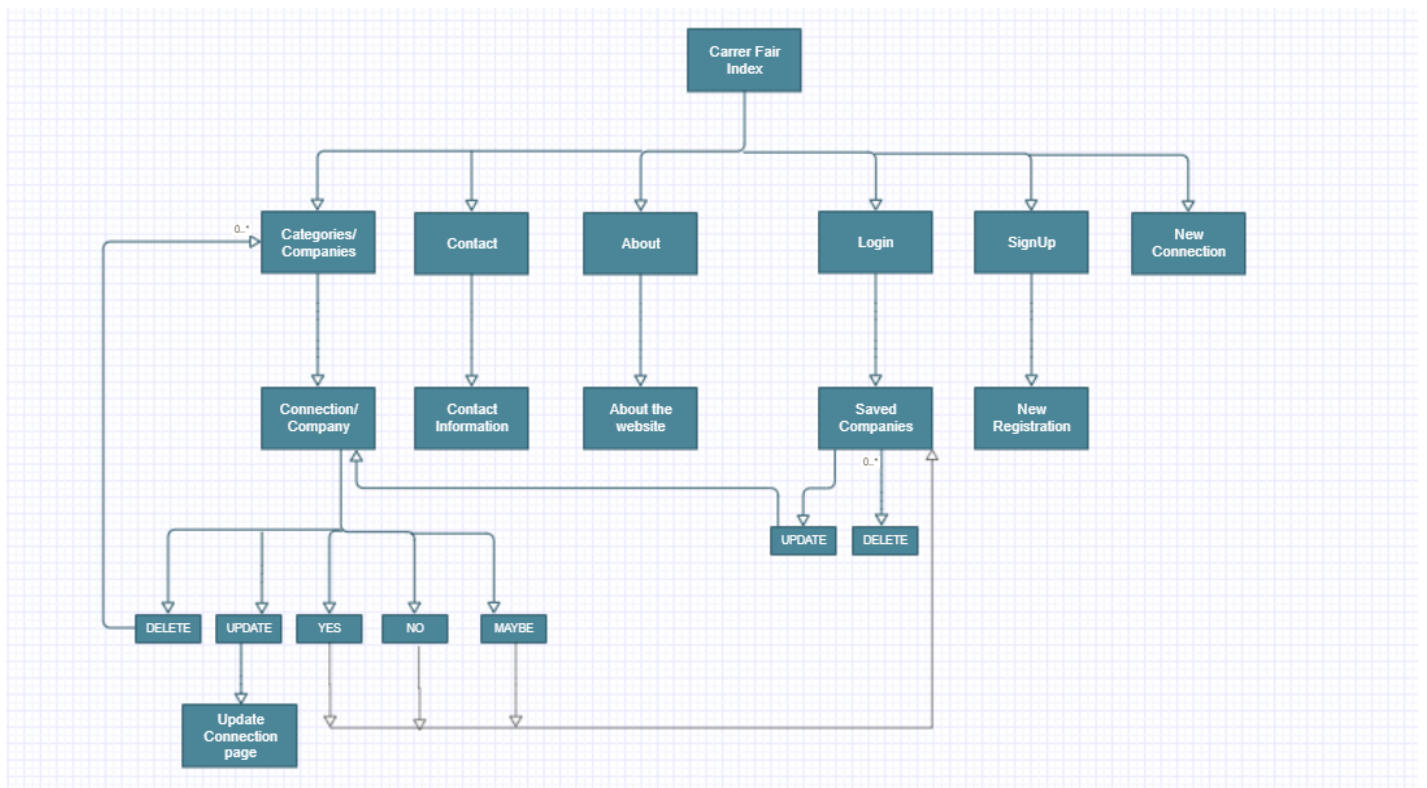
This website give a chance to check the type of jobs available for a person (i.e FULL TIME ,INTERNSHIPS, CONTRACTS etc) and choose whether to apply for it or not. All the things which the user choose to answer YES NO or MAYBE will be gone into his bucket list which is nothing but the

MY CONNECTIONS PAGE where he will be able to update or delete the connections in the future if he changes his opinion . A user can also add a connection into the connections list after logging in with valid credentials.

When a Un-Registered User enters the website he will be able to see all the connections created till now in the website ,but will not be able to add any of the connections to his bucket list unless he gets registered into the website.

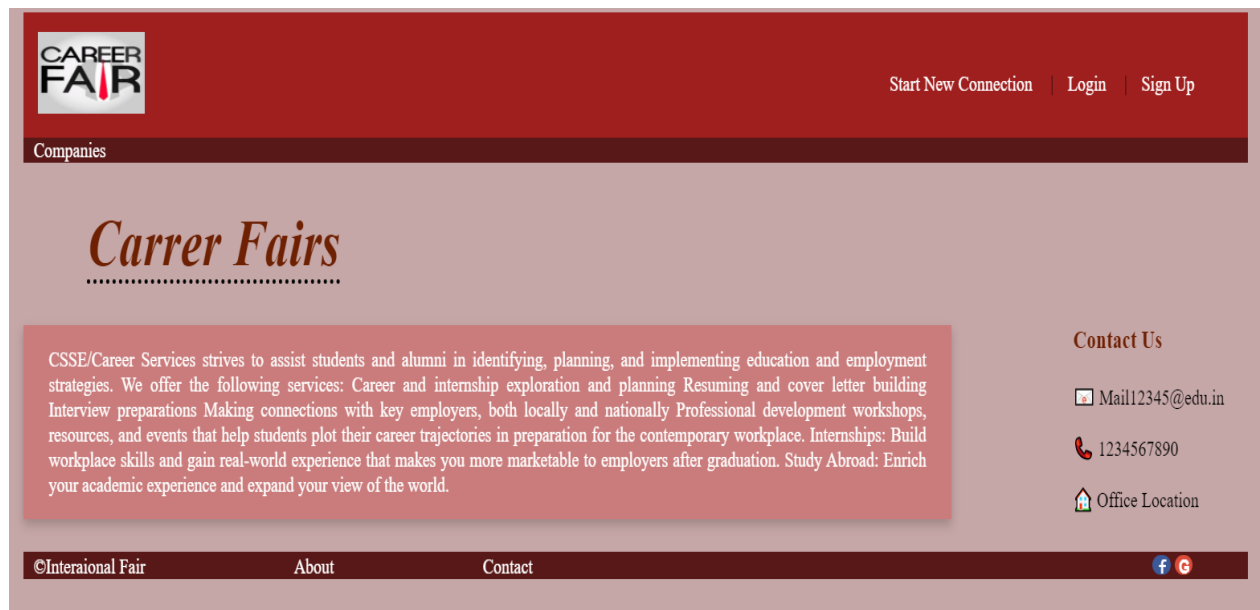
When a Registered User enters the website he will be able to see all the connections created until then ,he will be able to add any number of connections into his bucket list and he can even create a new connection into the connections list .

Website Map



PAGE DESIGN:

Home Page:



File name: index.ejs

Purpose: This page tells the user the main aim of the application.

Page Elements:

User Navigation:

The log In link will take us to the login page for the user to login

Start New Connection link will take to the page where the registered user were he can add new connection into the Companies list.

Sign Up will add new registration and new members into the website.

Site Navigation:

Categories link will take us to the page where the Companies of the different categories are present.

Footer Navigation:

About :Explains about the application in detail.

Contact: Registered and non -registered users can drop in their information for us to contacts

Audience:

All the Registered and Non-Registered Users. For the Non Registered users, the application will prompt to log in if he/she tries to give the RSVP or start a New connection.

About:**File name:** about.ejs**Purpose:** This page tells the user the main aim of the application in detail**Page Elements:****User Navigation:**

- 1) The log In link will take us to the login page for the user to login
- 2) The log Out link will take us to the login page for the user to login
- 3) Start New Connection link will take to the page where the registered user were he can add new connection into the Companies list.
- 4) Sign Up will add new registration and new members into the website.

Site Navigation:

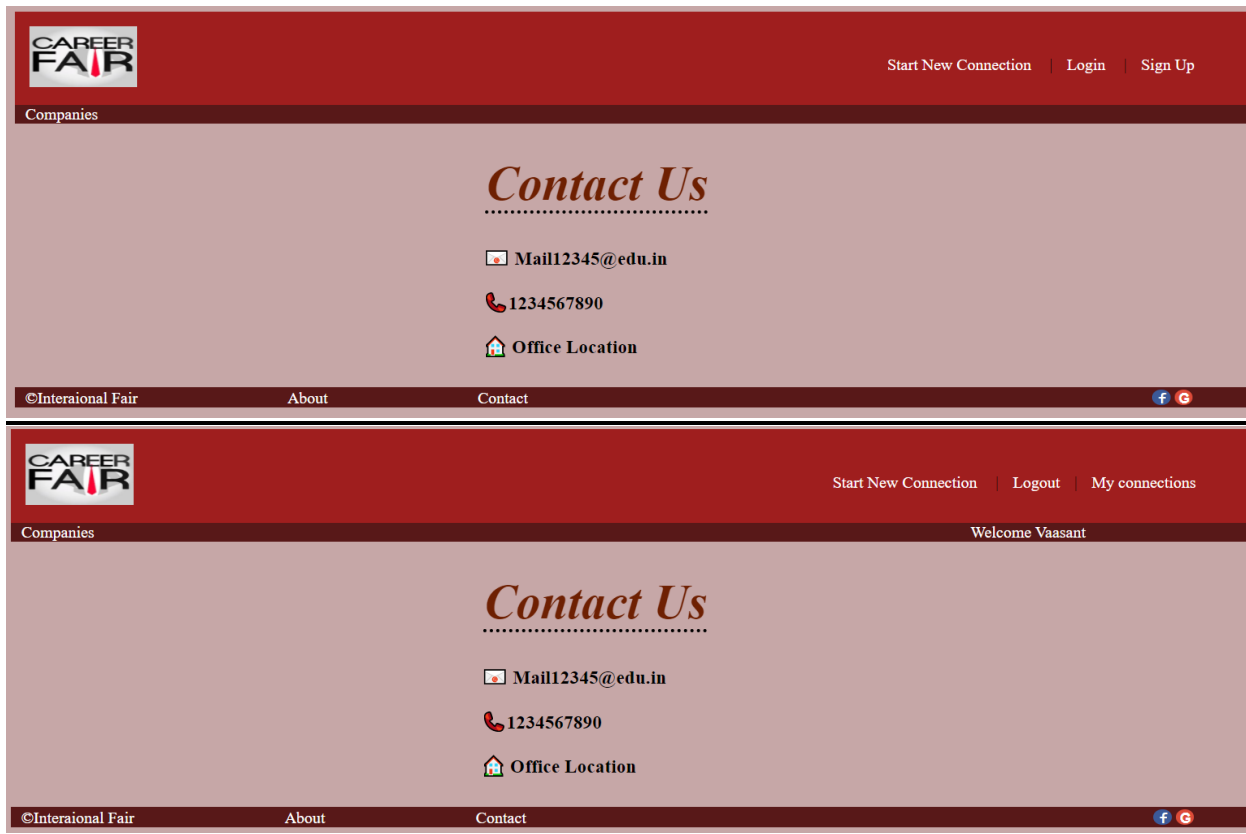
Categories link will take us to the page where the Companies of the different categories are present.

Footer Navigation:

- 1) About :Explains about the application in detail.
- 2) Contact: Registered and non -registered users can drop in their information for us to contacts

Audience:

All the Registered and Non-Registered Users. For the Non Registered users, the application will prompt to log in if user tries to access the RSVP or start new connection.

Contact:**File name:** contact.ejs**Purpose:** This page tells the user the way to contact firm or page owner**Page Elements:****User Navigation:**

- 1) The log In link will take us to the login page for the user to login
- 2) The log Out link will take us to the login page for the user to login
- 3) Start New Connection link will take to the page where the registered user were he can add new connection into the Companies list.
- 4) Sign Up will add new registration and new members into the website.

Site Navigation:

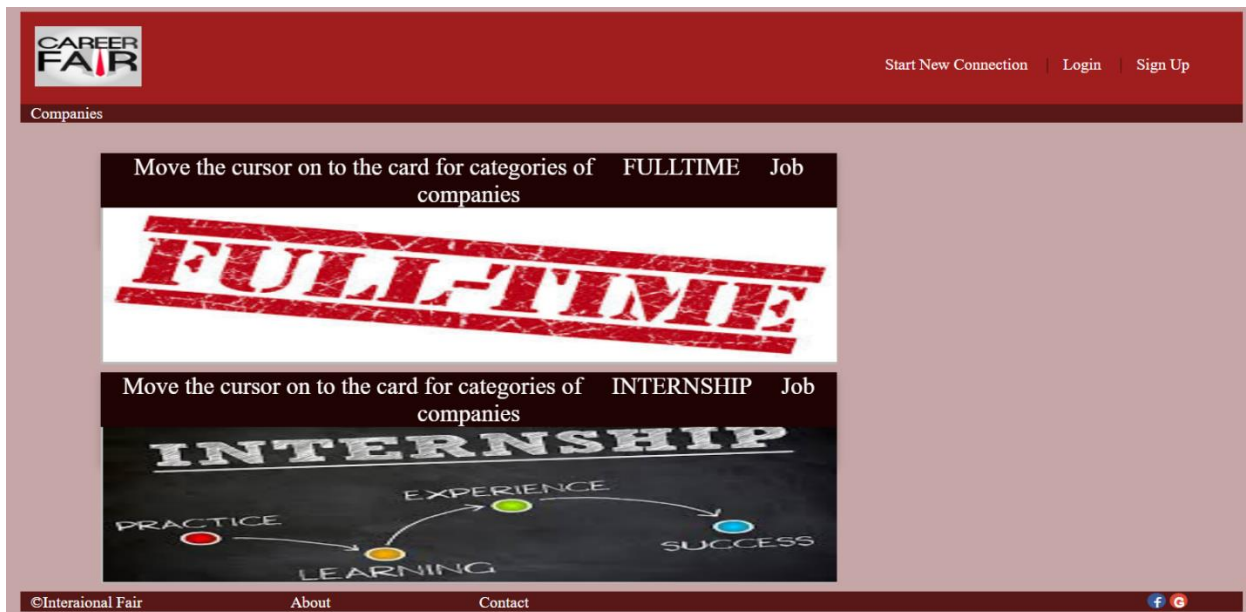
Categories link will take us to the page where the Companies of the different categories are present.

Footer Navigation:

- 1) About : Explains about the application in detail.
- 2) Contact: Registered and non -registered users can drop in their information for us to contacts

Audience:

All the Registered and Non-Registered Users. For the Non-Registered users, the application will prompt to log in if user tries to access the RSVP or start new connection.

Categories:

File name: CompaniesInfo.ejs

Purpose: This page displays all the Companies that are available when hovered on the cards for all the categories

Page Elements:**User Navigation:**

- 1) The log In link will take us to the login page for the user to login
- 2) Start New Connection link will take to the page where the registered user were he can add new connection into the Companies list.
- 3) Sign Up will add new registration and new members into the website.

Site Navigation:

Categories link will take us to the page where the Companies of the different categories are present.

Footer Navigation:

- 1) About :Explains about the application in detail.
- 2) Contact: Registered and non - registered users can drop in their information for us to contacts

Audience:

All the Registered and Non-Registered Users.

Log In:

CAREER FAIR

Start New Connection | Login | Sign Up

Companies

Welcome to "Carrer Search" Login with UserID

USERID: Vaasant2511

PASSWORD:

Submit

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File name: login.ejs

Purpose: This page allows the Registered User to log in to the application

Page Elements:

User Navigation:

- 1) The log In link will take us to the login page for the user to login
- 2) Start New Connection link will take to the page where the registered user were he can add new connection into the Companies list.
- 3) Sign Up will add new registration and new members into the website.

Site Navigation:

Categories link will take us to the page where the Companies of the different categories are present.

Footer Navigation:

- 1) About : Explains about the application in detail.
- 2) Contact: Registered and non - registered users can drop in their information for us to contacts

Audience:

All the Registered Users.

Data Fields:

UserID and Password boxes for the user input. Submit Button to navigate to the users Items view(savedConnections.ejs)

Validations:

The UserID box lets us enter the email id in the correct format. This UserID must already be registered.

The Password box allows to enter the password associated to the user only. The password must be having at least one Alphabet one number and one Special character with a size of at least 8.

MySavedConnections:

The screenshot shows a web application interface for 'CAREER FAIR'. The header is dark red with the logo on the left and links for 'Start New Connection', 'Logout', and 'My connections' on the right. Below the header, a dark red bar contains 'Companies' and 'Welcome Vaasant'. The main content area has a heading 'Niner's Saved Companies' followed by a table of saved connections.

Name of companies	Type of Job	Applied?	Action
Credit Karma	FULLTIME	YES	Update Remove
Spectrum	FULLTIME	MAYBE	Update Remove

The footer is dark red and contains '©Interaional Fair', 'About', 'Contact', and social media icons for Facebook and Google+.

File name: SavedConnections.ejs

Purpose: This page displays the companies that are RSVPed and associated to the user. The companies RSVP's seen here can be updated and deleted.

Page Elements:**User Navigation:**

- 1) The log Out link will take us to the login page for the user to login
- 2) Start New Connection link will take to the page where the registered user can add new connection into the Companies list.
- 3) My connections which will direct to my connection page which has all saved companies.

Site Navigation:

Categories link will take us to the page where the Companies of the different categories are present.

Footer Navigation:

- 1) About : Explains about the application in detail.
- 2) Contact: Registered and non - registered users can drop in their information for us to contacts

Audience:

All the Registered Users.

Buttons:

- 1) Update button lets us to update the RSVP.
- 2) Delete button deletes the RSVPed Connection from the users items list.

New Connections:

CAREER FAIR

Start New Connection | Logout | My connections

Companies Welcome Vaasant

TOPIC

NAME

DETAILS

LOCATION

DATE

Submit

©Interaional Fair About Contact

File name: newConnection.ejs

Purpose: The aim of the page is to create a new company and the connection/company is stored in the database with userID with which the user is loggedIn.

Page Elements:**User Navigation:**

- 1) The log Out link will take us to the login page for the user to login
- 2) Start New Connection link will take to the page where the registered user can add new connection into the Companies list.
- 3) My connections which will direct to my connection page which has all saved companies.

Site Navigation:

Categories link will take us to the page where the Companies of the different categories are present.

Footer Navigation:

- 1) About :Explains about the application in detail.
- 2) Contact: Registered and non - registered users can drop in their information for us to contacts

Audience:

All the Registered Users.

Data Fields:

There are text boxes to take topic ,name ,details ,Location and the date of the new users.

Validation:

- 1) The text box for Topic accepts only the alphabets and numbers.
- 2) The text box for name must be of length 3.
- 3) The text box for details must be of length 8.
- 4) The text box for location must be of length 5.
- 5) The text box for date must be of length 5.

Buttons:-The submit button lets you to add the new connection into the connections list.

Connection:

CAREER FAIR

Start New Connection | Logout | My connections

Companies | Welcome Vaasant

FULLTIME

Tata Consultancy Services

Hosted By UNCC
November 25th, 2019 10:30am-2:00pm
WoodwardHall 3rd Floor

Ready to apply ?
Yes No Maybe
UPDATE DELETE

Details

Tata Consultancy Services Limited (TCS) is an Indian multinational information technology (IT) service and consulting company headquartered in Mumbai, Maharashtra, India. It is a subsidiary of Tata Group and operates in 149 locations across 46 countries. TCS is the largest Indian company by market capitalization. TCS is now placed among the most valuable IT services brands worldwide. In 2015, TCS was ranked 64th overall in the Forbes World's Most Innovative Companies ranking, making it both the highest-ranked IT services company and the top Indian company. It is the world's largest IT services provider. As of 2018, it is ranked eleventh on the Fortune India 500 list. In April 2018, TCS became the first Indian IT company to reach \$100 billion market capitalization, and second Indian company ever (after Reliance Industries achieved it in 2007) after its market capitalization stood at ₹6,79,332.81 crore (\$102.6 billion).

©Interaional Fair | About | Contact

File name: connection.ejs**Purpose:** This page displays the company related information**Page Elements:****User Navigation:**

- 1) The log Out link will take us to the login page for the user to login
- 2) Start New Connection link will take to the page where the registered user can add new connection into the Companies list.
- 3) My connections which will direct to my connection page which has all saved companies.

Site Navigation:

Categories link will take us to the page where the Companies of the different categories are present.

Footer Navigation:

About :Explains about the application in detail.

Contact: Registered and non - registered users can drop in their information for us to contacts

Audience:

- 1) All the Registered Users and Non-Registered Users.
- 2) For Registered User, this displays the information of the company and can RSVP to the savedconnections page using YES NO and MAYBE buttons and the person who is created the connection can update and delete the connection.
- 3) A non-registered user can view this page by clicking the companies related links on categories page.

Buttons:

- 1) Yes ,No,Maybe button gives the RSVP values and get added into the savedconnection list.
- 2) Update button will navigate to the UpdateConnection page and gets updated if the user is authorized
- 3) Delete button will delete the connection if he is the authorized user to delete or it will navigate to non authorized link page.

Update Connection:

File name: connectionUpdateDelete.ejs

Purpose: The aim of the page is to update the created connection with connectionID disabled and cannot be changed .

Page Elements:**User Navigation:**

- 1) The log Out link will take us to the login page for the user to login
- 2) Start New Connection link will take to the page where the registered user can add new connection into the Companies list.
- 3) My connections which will direct to my connection page which has all saved companies.

Site Navigation:

Categories link will take us to the page where the Companies of the different categories are present.

Footer Navigation:

- 1) About :Explains about the application in detail.
- 2) Contact: Registered and non - registered users can drop in their information for us to contacts

Audience:

All the Registered Users.

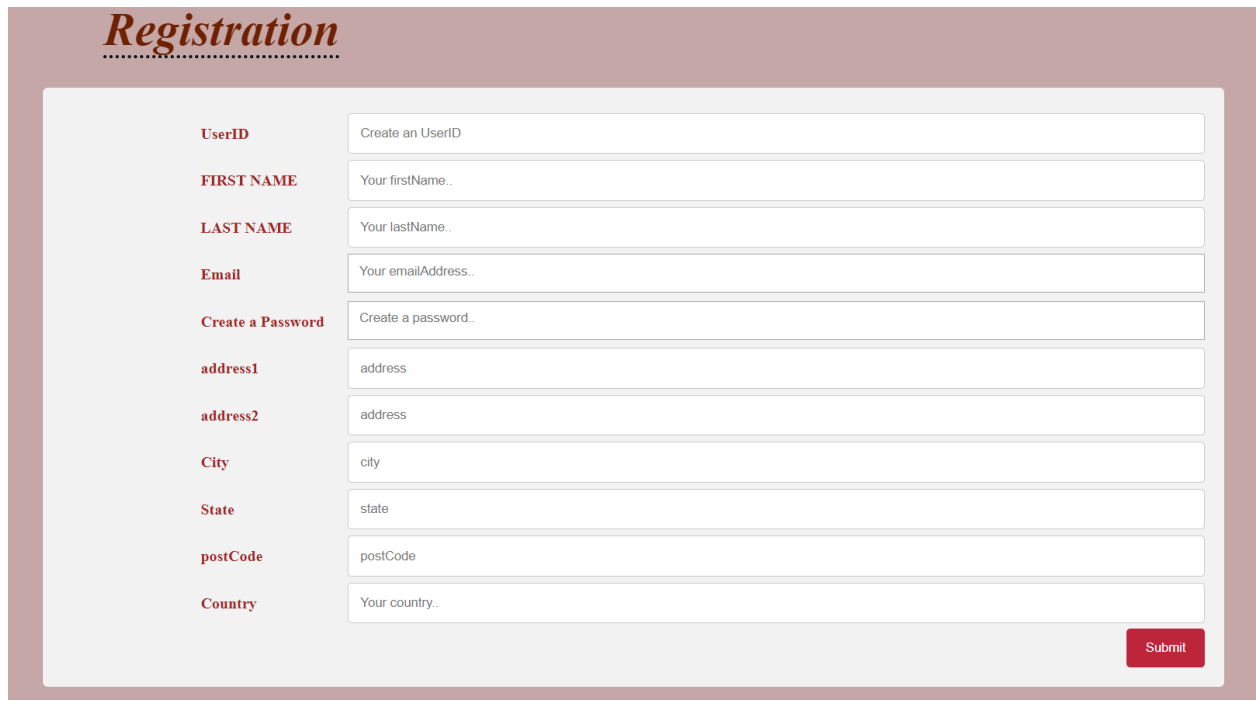
Data Fields:

There are text boxes to take topic ,name ,details ,Location and the date of the new users.

Validation:

- 1) The text box for Topic accepts only the alphabets and numbers.
- 2) The text box for name must be of length 3.
- 3) The text box for details must be of length 8.
- 4) The text box for location must be of length 5.
- 5) The text box for date must be of length 5.

Buttons:-The submit button lets you to check weather the user is authorized to update and then updates the company details.

Registration:A screenshot of a web registration form titled "Registration" in a stylized font. The form is set against a light gray background with a darker gray border. It contains several input fields with labels in red text: "UserID" (placeholder: "Create an UserID"), "FIRST NAME" (placeholder: "Your firstName.."), "LAST NAME" (placeholder: "Your lastName.."), "Email" (placeholder: "Your emailAddress.."), "Create a Password" (placeholder: "Create a password.."), "address1" (placeholder: "address"), "address2" (placeholder: "address"), "City" (placeholder: "city"), "State" (placeholder: "state"), "postCode" (placeholder: "postCode"), and "Country" (placeholder: "Your country.."). A red "Submit" button is located at the bottom right of the form.

File name: SignUp.ejs

Purpose: This page lets the new users create an account with our site, by registration

Page Elements:

User Navigation:

The log In link will take us to the login page for the user to login

Start New Connection link will take to the page where the registered user were he can add new connection into the Companies list.

Sign Up will add new registration and new members into the website.

Site Navigation:

Categories link will take us to the page where the Companies of the different categories are present.

Footer Navigation:

About :Explains about the application in detail.

Contact: Registered and non - registered users can drop in their information for us to contacts

Audience:

All the Non-Registered Users.

Buttons:

Submit button completes the registration process, and the user is added to the list of users in the database.

Data Fields:

There are text boxes to take user ID, first name, last name, email id , password,address1, address2,city,state,postcode and the country of the new users.

Validation:

- 1) The text box for UserID accepts only the alphabets and numbers.
- 2) The text boxes for first name, last name, accepts only alphabet set.
- 3) The email must be in the form of email format.
- 4) The text box for Password does not special characters.
- 5) The text box for address field1 and address field 2 must be of length 3.
- 6) The text box for city must be of length 2.
- 7) The text box for State must be of length 2.
- 8) The text box for postcode must be of length 5.
- 9) The text box for country must be of length 3.

Database structure

The entire application uses not only SQL(NoSQL) approach for database implementation. MongoDB's flexible document data model makes working with data intuitive, whether you're building an app from scratch or updating an existing one." Carrer " is the db created.

Below are the 3 collections that are used in my application.

- 1) Connections
- 2) UserConnections
- 3) Users

Connections: This collection holds the details of companies

UserConnections: This collection consists of all the RSVPed connections of a specific user.

Users: Lists all the registered users' details. The details we provide in registration page are saved here, and the user gets access.



```
Command Prompt - mongo
> use carrers
switched to db carrers
> show collections
connections
userconnections
users
>
```

ER Diagram

