

Requirements and Design

1. Project overview

The application is called '</EventHandler>', it is a social platform where users can create social events and also allows user to RSVP to other events in which they are interested. Users can create and edit an event of their choice which other users can participate.

The connections page will show all the connections/events created by all the users. A user can RSVP yes, no or maybe to a particular event and can also modify the inputs later on if they change their minds.

Furthermore, for every creation of an event by a user, they can modify the event details and also remove that event.

2. Site Map

List view:

- HomePage(index)
 - Sign up
 - + login
 - Connections(list of all connections)
 - + connection(single connection from the list of connections)
 - + RSVP
 - + Edit/delete user created connection
 - savedConnections
 - + RSVPed connections
 - About us
 - Contact us

Diagram:

3. Page Design:

HomePage(index.js)

- Purpose: when the user visits the website, they are welcomed with this page and points them to link of login, signup, and view active connections list.
- Audience: Guest users and registered users
- Dynamic data: No dynamic data is displayed on this page
- Validation: No validations on this page
- Buttons/Hyperlinks: The signup link, join eventhandler button, and login link will lead user to the pages respectively. When clicking on the start a new connection link user will be redirected to login page. Furthermore, when user uses connections link, they will be redirected to connections page where they can see all the active connections by registered users.

SignUp(signup.ejs)

- Purpose: When a user wants to join the platform, they are directed to this page to create their user profile and become a registered user who can create connections, edit created connections and RSVP to the connections.
- Audience: Guest users
- Dynamic Data: No dynamic data is displayed on this page.
- Validation: All data inputs are validated for their string size, data type and format.
- Button/Hyperlinks: After successful entering the required fields, the user can press on submit button which will add the user's document containing the user information to Users collection in the database and they will be redirected to login page.

Login(login.ejs)

- Purpose: Registered users can login into the website by using their credentials.
- Audience: Registered users
- Dynamic Data: No dynamic data is displayed on this page.
- Validation: The email and password of users are validated and are matched with the database and if it matches, then user can enter into the website as registered user. If not, then error messages will be shown and will be asked to enter the details again or sign up.
- Button/Hyperlinks: Login button is pressed after the user enters their email and password and it will take them to saved connections page which will show them their RSVPs of the connections.

Connections(connections.ejs)

- Purpose: This page contains all the users created connections which are divided into categories. The connections are bifurcated on the basis of the topics.
- Audience: guest user and registered user
- Dynamic Data: yes, all the connections are shown dynamically from the database to this page.
- Validation: Data are fetched from database and are valid connections.
- Button/Hyperlinks: All connections are hyperlinks which will take the user to the connection page which will show them the single connection and all the details of the event.

Connection(connection.ejs)

- Purpose: After the user select the connection from the connections page, they will be landed on this page which will show the details of the selected connection.
- Audience: Guest user and registered user
- Dynamic Data: yes, details of the connections are shown dynamically from the database to this page.
- Validation: when someone inserts random connectionID (which is not in the database)in the URL then they will be redirected to an error page.
- Button/Hyperlinks: There are 3 RSVP button(yes,no and maybe) which will allow user to select the RSVP for that event which will be reflected in the user connection collection in the database, and the owner of the connection will be given two more button edit and delete which will allow them to edit the connection and delete the connection respectively.

SavedConnections(savedconnections.ejs)

- Purpose: This page shows all the connections which are RSVPed by the registered user and the user can update the RSVP from this page.Also, it show the greeting message with the user's name in it.
- Audience: Registered users
- Dynamic Data: yes, It shows the connection name, topic and RSVP dynamically from the database
- Validation: The data are fetched from the database and are valid data.
- Button/Hyperlinks: There are two buttons(update and cancel) for each connection in the savedconnections page. Update button will take the user to connection page where user can change the RSVP and cancel button will delete the user's RSVP from the database.

NewConnection(newConnection.ejs)

- Purpose: this page allows registered user to add new connection by entering the details of the connections and which we will added to the connections list on the connections page based on the category of the topic entered in the form.
- Audience: Registered user
- Dynamic Data: No, this page only display the form for the new connection where user can enter the details.
- Validation: the details are validated and any field cannot be left blank.
- Button/Hyperlinks: Submit button which allows user to submit the connection with its details on the database.

EditConnection(editConnection.ejs)

- Purpose: this page is rendered when the owner of the collection wants to edit any detail of the connection.
- Audience: owner of the collection
- Dynamic Data: yes, this page displays all the details of the connections from the database.
- Validation: The details cannot be left the blank.
- Button/Hyperlinks: Submit button will allow user to change the details of the connection and update the database.

Header(header.ejs)

- Purpose: Displays the website logo and the hyperlink of login, signup, connections and start a new connection which will allow users to navigate through the website.
- Audience: Guest users
- Dynamic Data: No, this page doesn't include any dynamic data
- Validation: No validation are performed.
- Button/Hyperlinks: There are no buttons or hyperlinks on this page

Header-connection(header-con.ejs)

- Purpose: Displays the website logo and the hyperlink of add a new connection, logout, my connections which will allow logged in users to navigate through the website.
- Audience: Registered users
- Dynamic Data: No, this page doesn't include any dynamic data
- Validation: No validation are performed.
- Button/Hyperlinks: there are no buttons or hyperlinks on this page.

Footer(footer.ejs)

- Purpose: Simply contains the copyright texts and contact us, about us and social media links which users can use to navigate through the website.
- Audience: Guest users and registered users
- Dynamic Data: No dynamic data is displayed.
- Validation: No validation are performed.
- Button/Hyperlinks: there are no buttons or hyperlinks on this page. The social media button are only placeholder and doesn't lead to the actual page.

Contact Us(contact.ejs)

- Purpose: this page shows the contact information of the people running the website, users can visit this page and get the contact information.
- Audience: Guest users and registered users
- Dynamic Data: No dynamic data is displayed.
- Validation: No validation are performed.
- Button/Hyperlinks: There are no buttons or hyperlinks on this page.

About Us(about.ejs)

- Purpose: This page shows the information of the website and what is the purpose of the service, users can visit this page and get the information of the service.
- Audience: Guest users and registered users
- Dynamic Data: No dynamic data is displayed.
- Validation: No validation are performed.
- Button/Hyperlinks: There are no buttons or hyperlinks on this page.

4. ER Diagram of Database:

