REQUIREMENT AND DESIGN DOCUMENT

PROJECT OVERVIEW:

KnB's Meetup is a meet-up site for hosting and registering for Tech Events. It is created with the purpose of using the Internet to bring people together for Tech Meetups, Conferences, and Product Launches. Users can register for events, by viewing the list of meetups to find events that matches their interest, of a specific type. It is a great platform for people who love technology and want to know more about the latest trends in the market.

This web application is structured based on the MVC (Model- View- Controller) pattern:

1. Business layer of the application (model) is implemented using data objects namely user, Connection, userConnection and userProfile.

   A) Connection Model:

   This model is used to represent a connection (event) in the application. It contains the properties/attributes that define a connection.

   B) User Model:

   This model is used to represent a user in the application. It contains properties/attributes of a user.
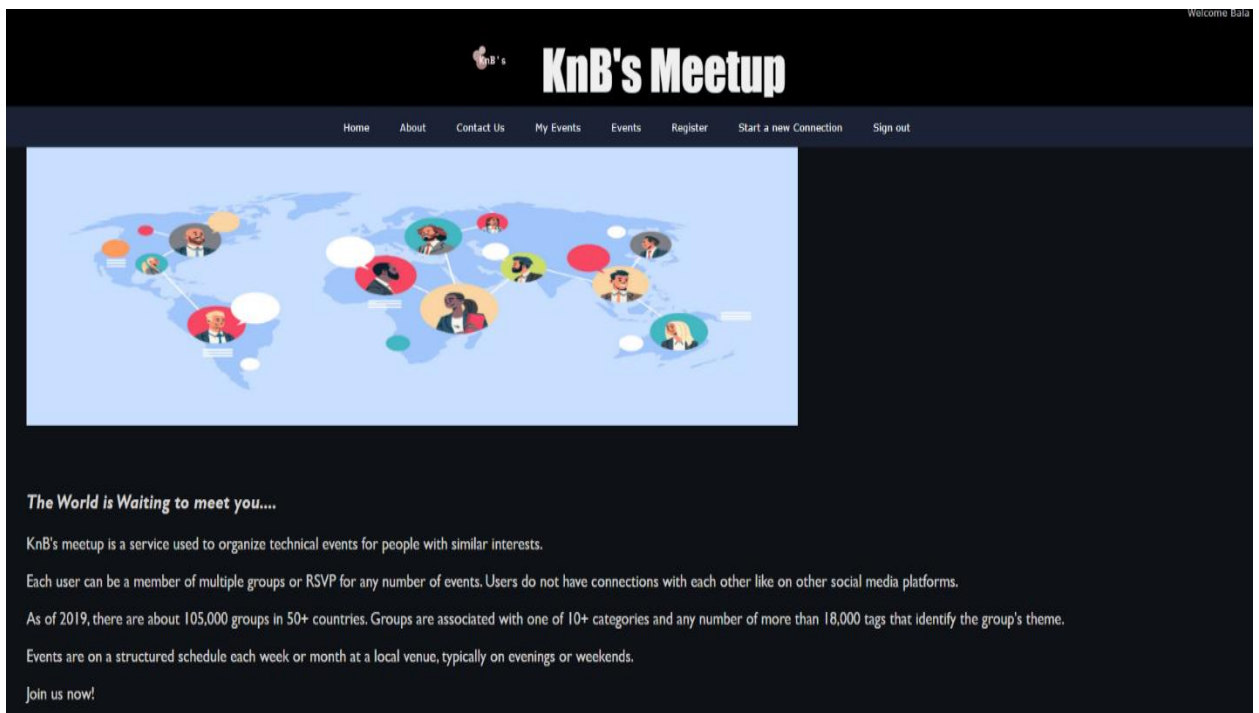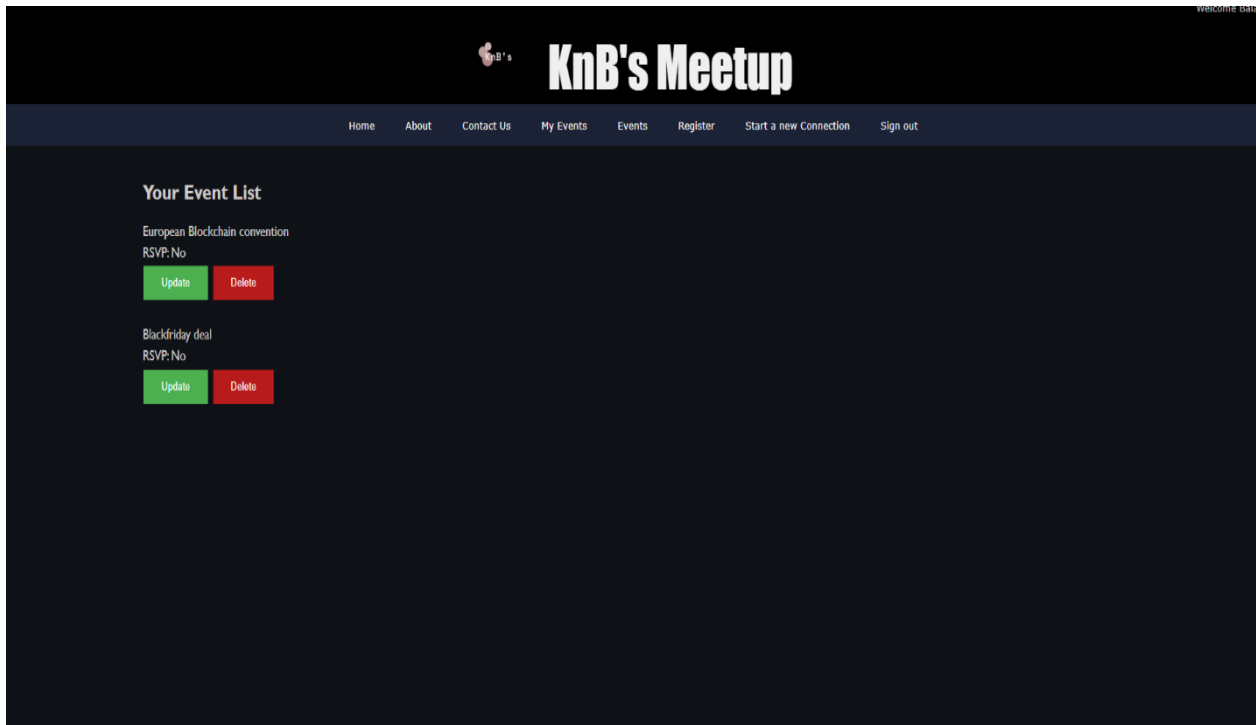
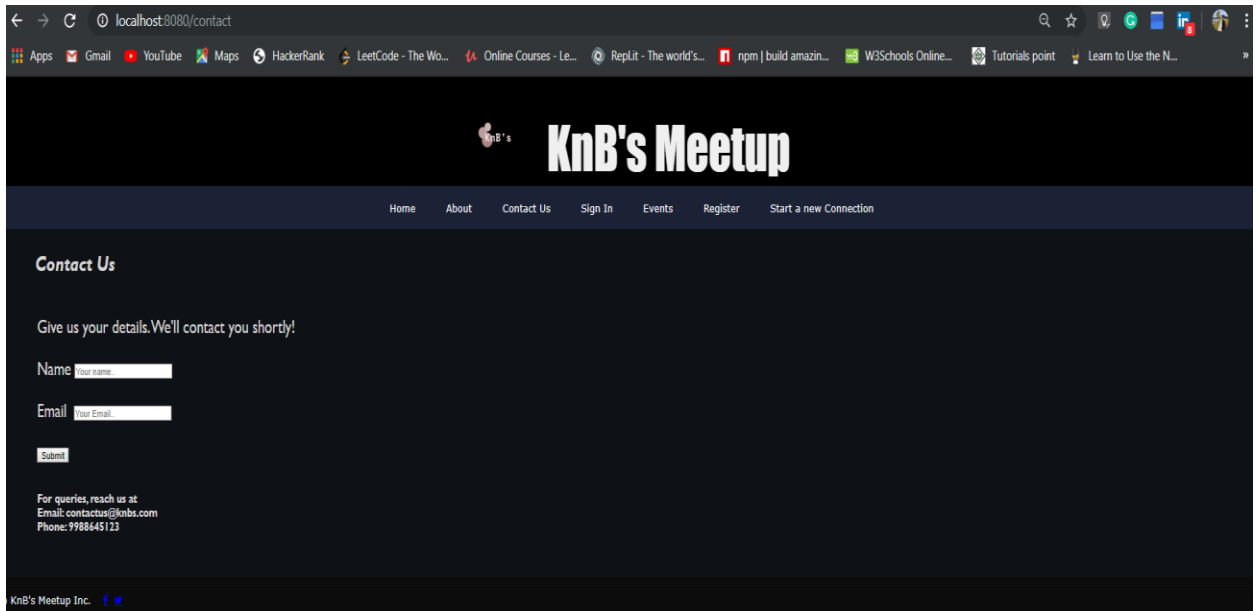   **C) UserConnection Model:**

   This model represents a connection saved to the user profile (associates a connection to a user profile).
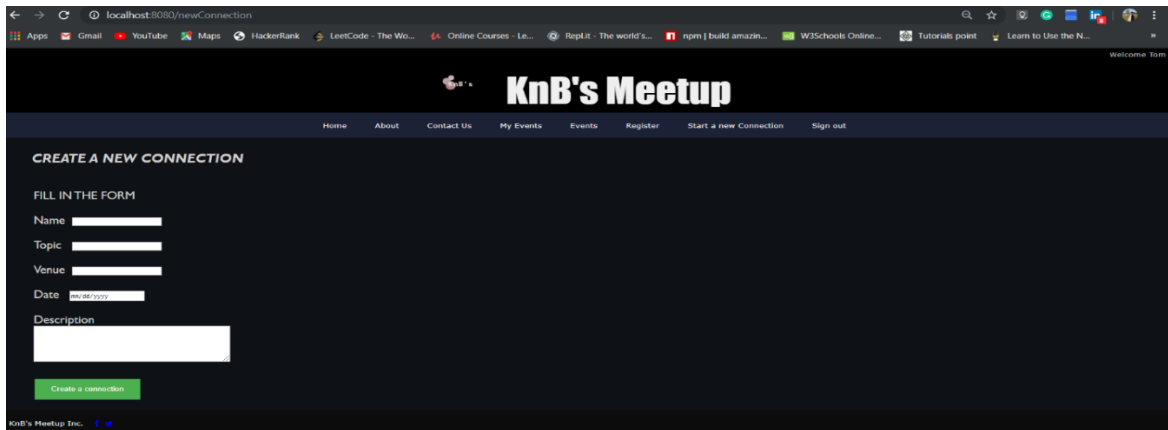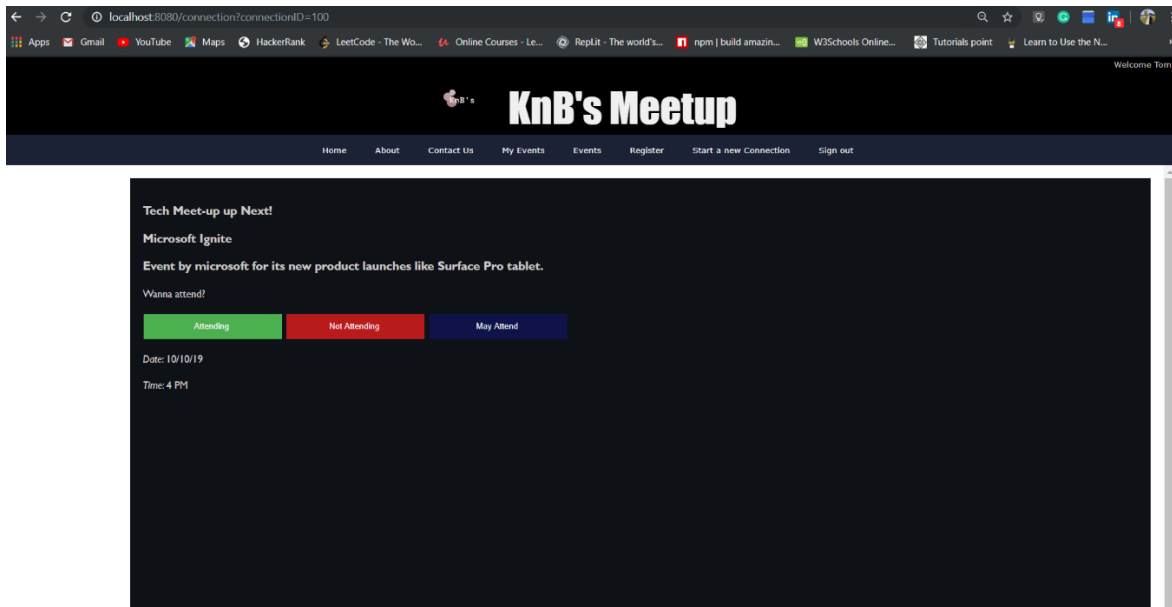
   D) UserProfile Model:

   This model is used to represent the user profile and list of connections. It supports getting, adding and removing connections from the list of user connections.

2. Dynamic pages (Connection page, Connections page, savedConnections, newConnection) have been implemented to present the view to the browser and make user interact with the web application.

KnB's Meetup

Home   About   Contact Us   Sign In   Events   Register   Start a new Connection

Contact Us

Give us your details.We'll contact you shortly!

Name [Your name...]

Email [Your Email...]

[Submit]

**For queries, reach us at
Email: contactus@knbs.com
Phone: 9988645123**

KnB's Meetup Inc.

KnB's Meetup

Home   About   Contact Us   My Events   Events   Register   Start a new Connection   Sign out

Your Event List

European Blockchain convention
RSVP: No
[Update] [Delete]

Blackfriday deal
RSVP: No
[Update] [Delete]

3. Two Controller logics (profileController and connectionController) have been implemented to control the flow of the application.

Connection Controller

This controller is responsible for handling and directing requests that pertain to displaying the categories of connections (catalog) and individual connection details. An application user should be able to navigate to a view that lists all connections saved in the application as well as navigate to a page providing connection details from the connections page. The connection controller will be utilized to create the flow of the application.

This route controller is responsible for handling the following two requests:

- for a request to view the complete list of connections this controller responds by bringing all connection models from the database and sending that data to the connections view for display.
- for a request to view a single connection this controller responds by bringing the requested connection model from the database and sending that data to the connection view for display.
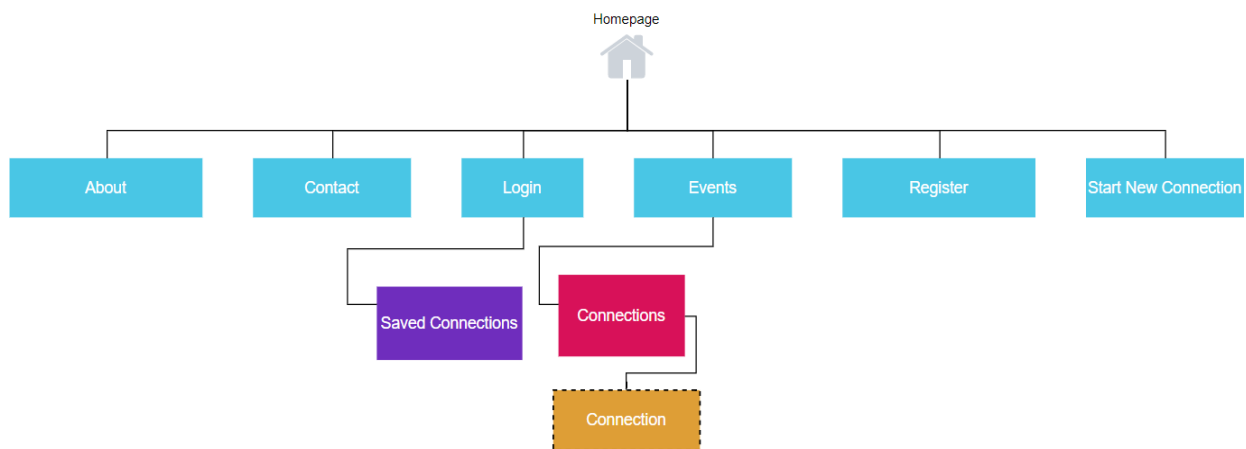
ProfileController

This controller is responsible for answering requests that pertain to user-specific functionality. These are the requests for accessing a service the application provides to support its users. These are for the registered users and these services/functionalities are specific and available to them. An application-user should be able to navigate to a view that lists connections they saved in the application as well as navigate to a view to provide connection RSVP.

This controller is responsible for handling the following requests:

- Login a user (add a user to the session without email/password verification)
- Store a user's profile contents in the session
- Save a user's rsvp for a connection
- Update a user's rsvp for a connection
- Display a user's list of saved connections
- Logout a user (remove a user from the session)

SITEMAP FOR THE WEB APPLICATION:

A sitemap is a diagrammatic representation of a hierarchy of a web application.

PAGE DESIGN AND LAYOUT

This section describes each page on the website, the purpose of the page, the audience of the page, etc.

Index Page (Home page)

This page is the homepage of the web application. This is the first page with which the user interacts with the web application. This page has two major components apart from the body of the page, which is maintained across all the pages in the application. They are the header and footer. The header has two functionalities namely the Login and the Sign Up. Each page serves a different purpose and is explained further in their respective sections. The footer consists of links to Company's social handles and the copyright information. The Index page contains links to all other pages of the site namely Login, Events, Contact and About page.

About

The About Page consists of the information about the meetup site. The KnB's website is all about the techies who love technology and want to know more about the latest trends in the market.

Contact

This page is for all general inquiries regarding the website or any of the past/future events. The users can give their information and the company will contact them based on the information.

Login

The Login Page is for users who have already registered with the website. Only valid users who have registered can be logged in and can rsvp to the events or create a new event. While logging in, the user details will be entered which will, in turn, be checked at the database and validated.

Sign-up

The Signup Page provides us with the facility to register on the website for new visitors to the website. Once registered, they will be prompted to Login and they can further proceed with the events of their choice.

Connections (Connections page)

Connections page contains all the events where users can click on a event to see more details about the event. This page consists of two categories i.e., all the meetups and events that will take place in the future or had occurred in the past. Users of this website can either sign in or register into the site and can RSVP for the event that they are interested to attend. Other users are not allowed to register for the events. They can only view the list of events.

Connection (Connection page)

This page displays all the information about the event that the user is interested in. For each event, the page will contain the details of the meetup such as Event description, date, and venue. Users will find three options *yes, no* and *maybe*. They can RSVP for the event and it will get added to their saved connections.

Saved Connection

This page is exclusively for the users who have already registered with the website. They can view the events that they have made an rsvp to already. The users can further go to the Events page and rsvp to a new event that will be added to their database.

Add New Connection

This page allows you to create a new meetup event. It contains a form where the user has to enter all the details required regarding the event details. Upon submitting, the new meetup event gets added to the Connections list. This option is only for the registered users on this website. The form asks information regarding the location, date and other information about the meetup that is about to take place and a few more details. Upon creating an event, this will be reflected in the Events page and users can rsvp to this event if they are interested in attending.

ER DIAGRAM

USERS

+**UserID:** String
+**FirstName:** String
+**LastName:** String
+**Email:** String
+**City:** String
+**Phone:** String
+**Password:** Object

CONNECTIONS

+**ConnectionID:** String
+**ConnectionName:** String
+**ConnectionTopic:** String
+**Venue:** String
+**Date:** String
+**Time:** String
+**Details:** String
+**HostedBy:** String

USERCONNECTIONS

+**UserID:** String
+**ConnectionID:** String
+**ConnectionName:** String
+**RSVP:** String