

## REQUIREMENT AND DESIGN DOCUMENT

### PROJECT OVERVIEW:

Insider'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.

Insider's meet up application is designed to connect fellow dancers on a web platform to access information on Dance Events happening near their area. In this application the users will be able to find meet ups regarding try outs, practice and competitions. It is built to be a great platform to connect people who are interested in dance events.

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

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

#### **A) Connection Model:**

This model is used to display an event connection through the application. It contains the properties/ traits that define a connection.

#### **B) User Model:**

This model represents users in the application. It contains properties/traits of a user.

#### **C) UserConnection Model:**

This model displays a saved connection 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 inputs, updating and removing connections from the given list of user connections.

2. The Dynamic pages such as Connection page, Connections page, savedConnections, newConnection have been executed to present the view to the browser and make an interact with the web interface for the user.
3. In this application we have used two Controller logics namely profileController and connectionController, executed to control the flow of the application.

## **Connection Controller**

Connection controller is designed for handle and direct requests that relates to displaying the categories of available connection catalog and individual connection details. The application user will be able to navigate to view which lists all saved connections in the application and also navigate to a page providing connection details from the connections page. The connection controller is utilised to plan the flow of the application.

This route controller is expected to handle the following two requests in the application:

- A request to view the entire list of saved connections this controller responds by bringing all connection models from the database and move that data to the connections, and view for display.
- A request to view a single connection, this controller behaves by bringing the requested connection model from the database and send that data to the connection view for display.

## **ProfileController**

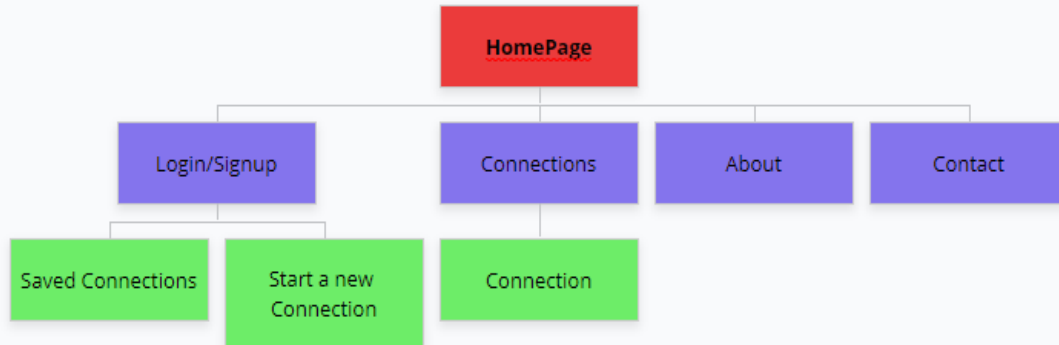
This controller is used for responding to requests that relates to user associated functionality. These requests access a service which provides support to the user. These are for the registered users and these services/functionalities are specific and available to them. An application user will be able to navigate to a view which displays a lists of connections saved in the application and also navigate to a view to give connection RSVP.

ProfileController is expected to handle the following requests:

- User login (Add a user to the session without email/password verification)
- Storage of user contents during the session
- Storage of user rsvp for a connection
- Updating of a user rsvp for a connection
- Display an user's list of saved connections
- Logout the user (Removal of user from the session)

## SITEMAP FOR THE WEB APPLICATION:

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

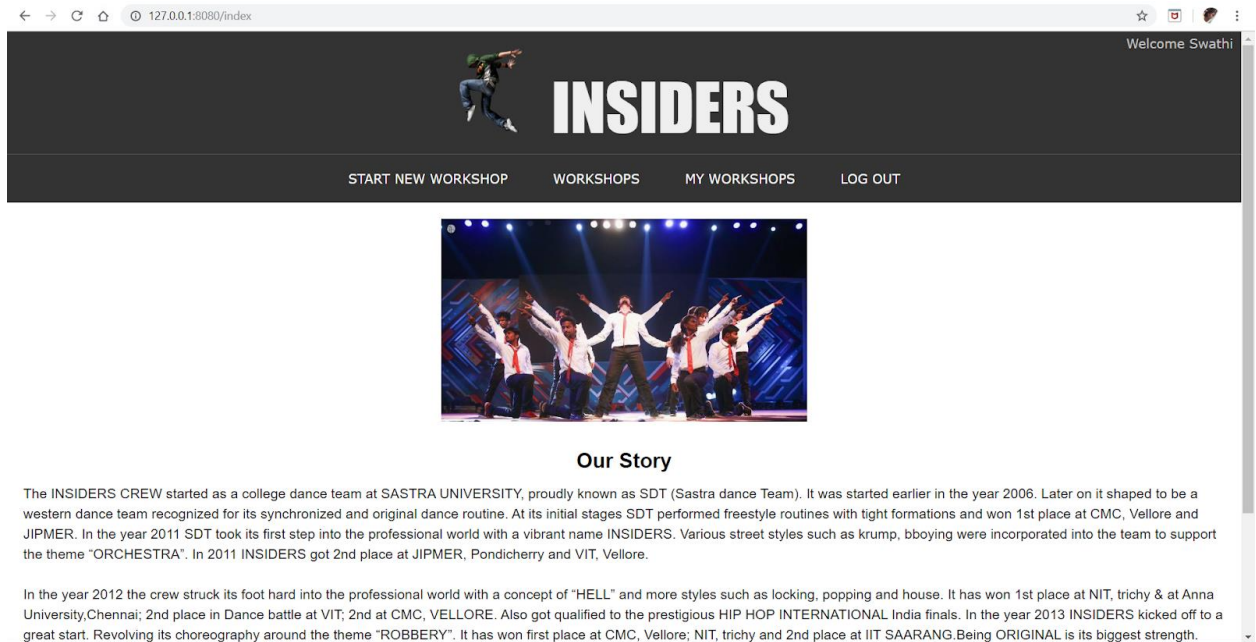


## PAGE DESIGN AND LAYOUT

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

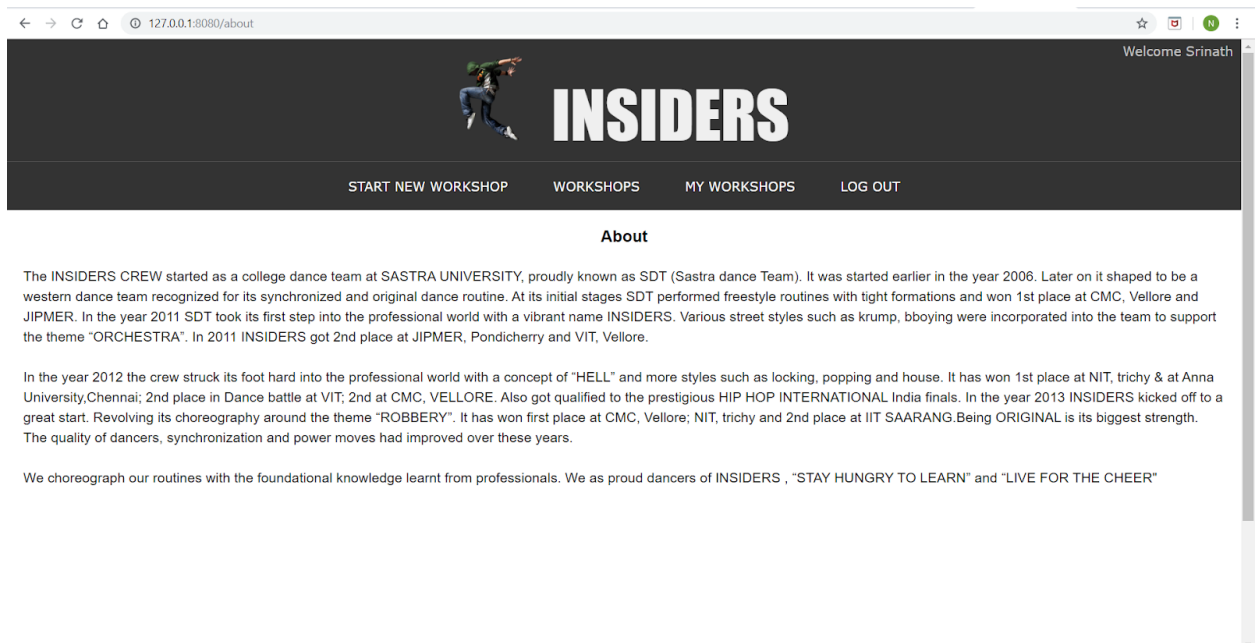
### Index Page (Home page)

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.



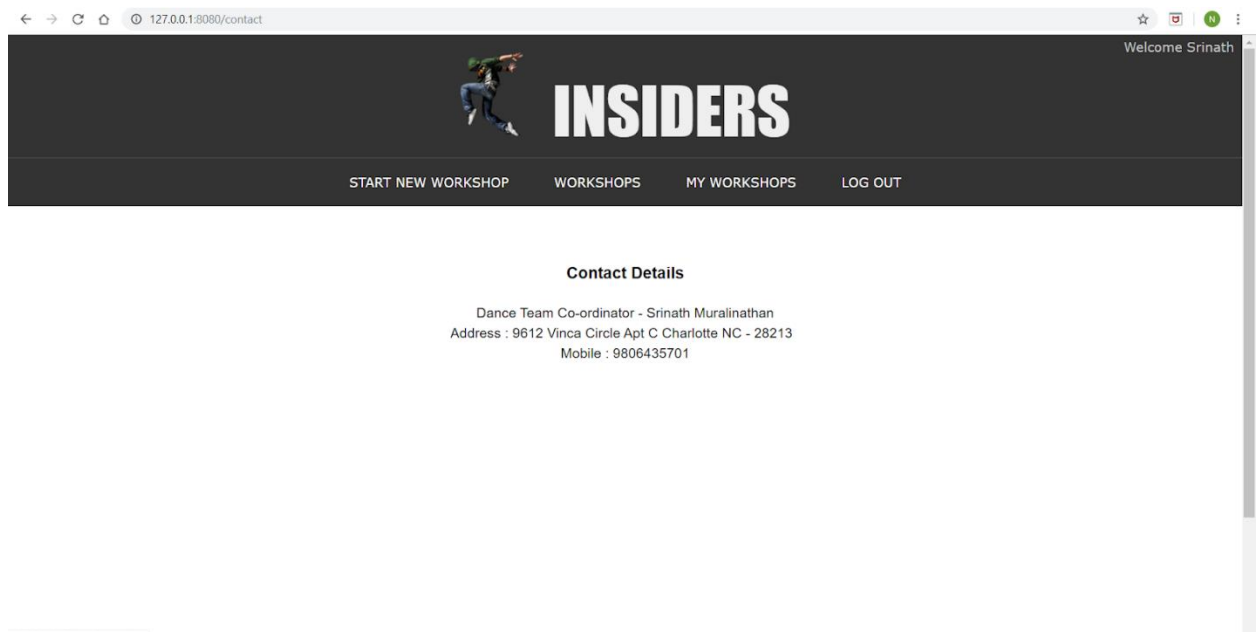
## About

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.



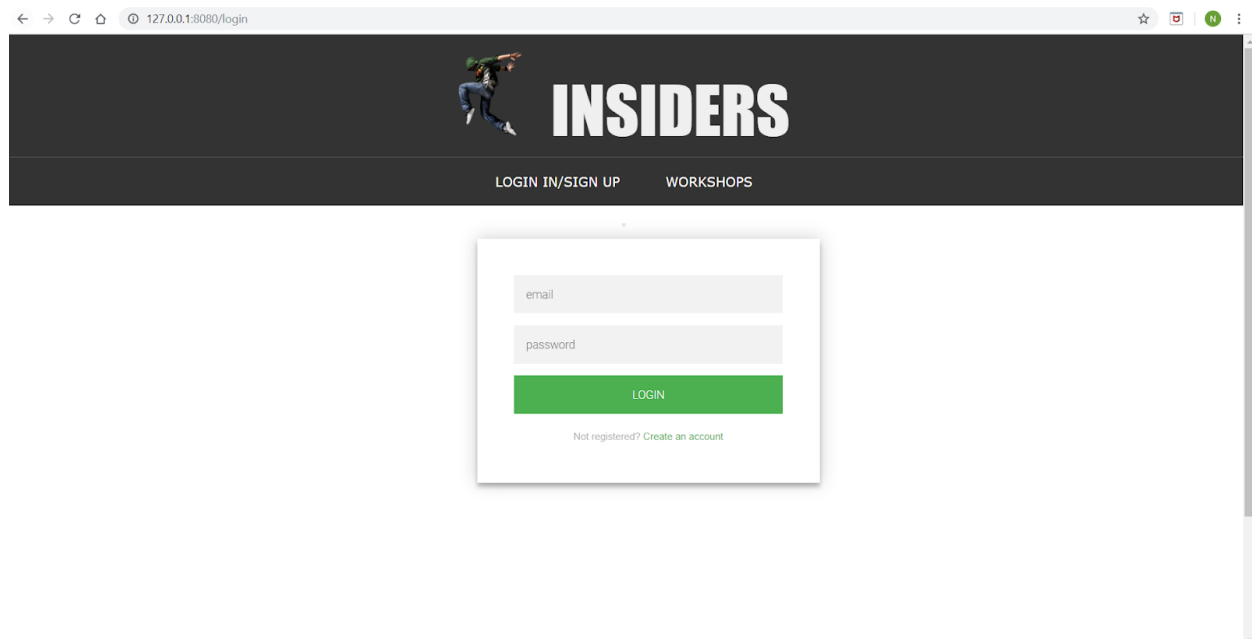
## Contact

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.

← → ↺ ⌂ 127.0.0.1:8080/login# ☆ 📄 0

 **INSIDERS**

LOGIN IN/SIGN UP    WORKSHOPS

Password Note : Minimum length 8, Maximum length 12, Must have uppercase letters, Must have lowercase letters, Must have digits, Should not have spaces

userid (Should contain only alphabets and numbe)

firstname

lastname

new password

confirm password

email address

CREATE

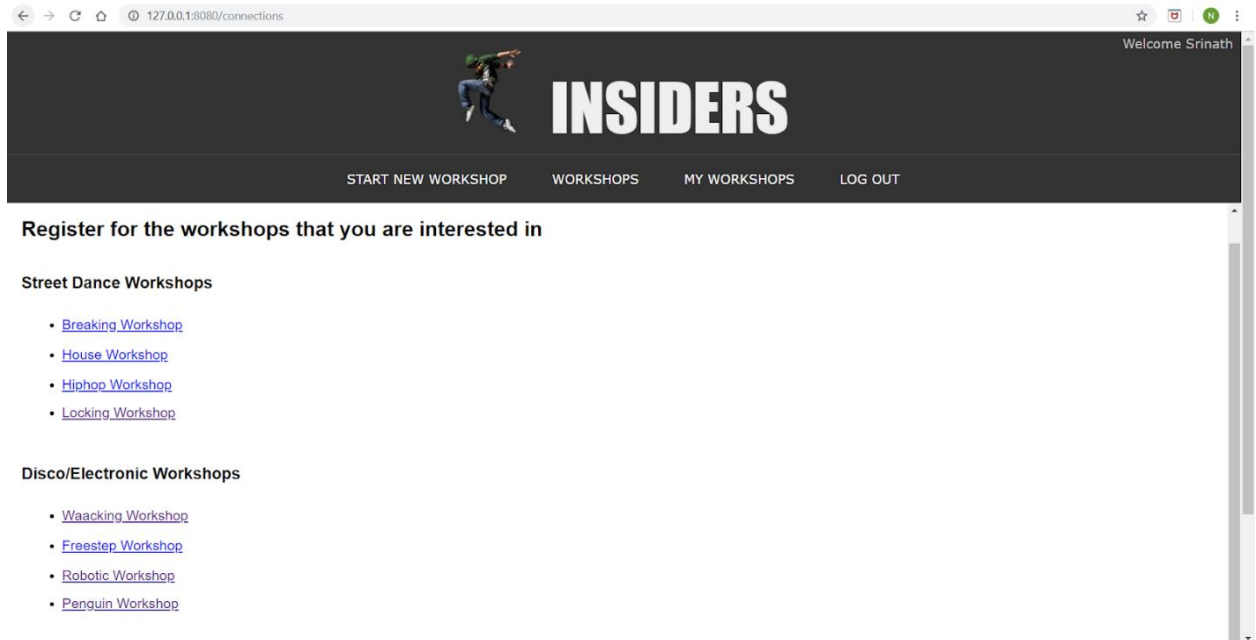
Already registered? [Sign In](#)

## 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.

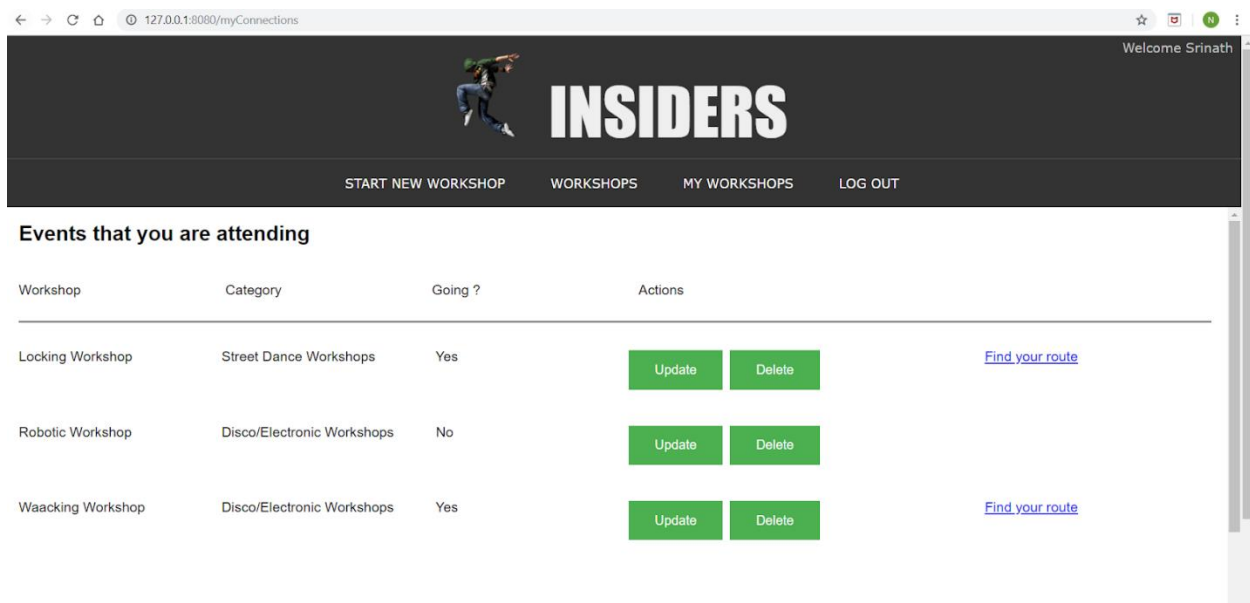
## Connection (Connection page)

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.



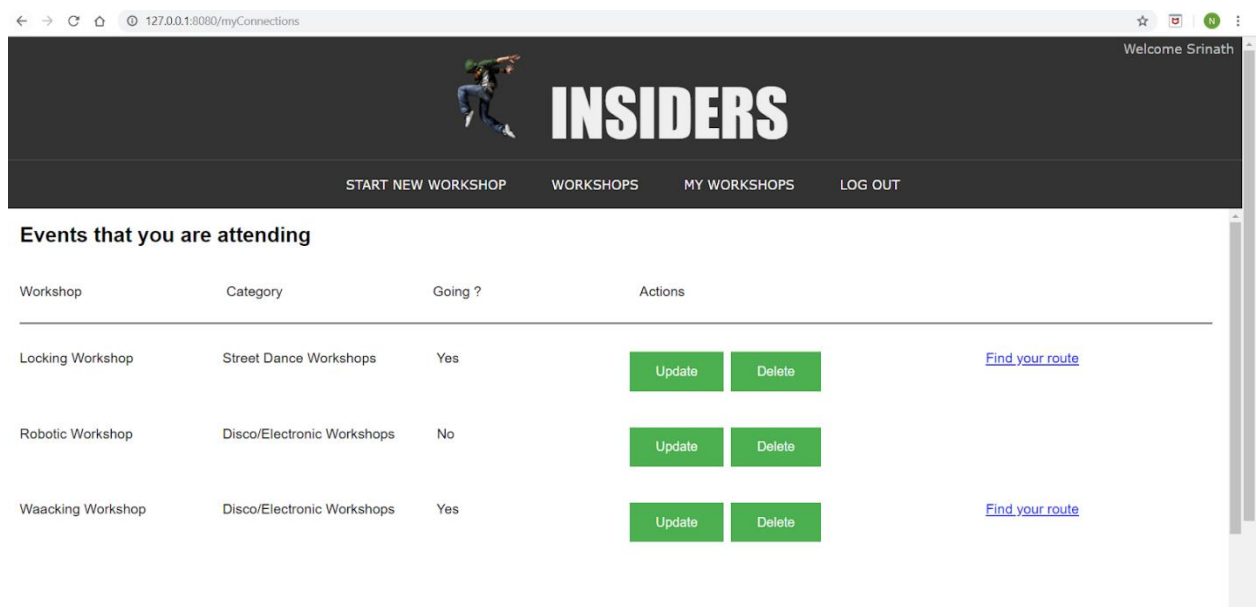
## Saved Connection

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.



The screenshot shows a web browser window with the URL `127.0.0.1:8080/myConnections`. The website has a dark header with the 'INSIDERS' logo and a navigation bar with links: 'START NEW WORKSHOP', 'WORKSHOPS', 'MY WORKSHOPS', and 'LOG OUT'. The user is logged in as 'Srinath'. Below the header, the section 'Events that you are attending' displays a table with three rows of workshop information.

Workshop	Category	Going ?	Actions
Locking Workshop	Street Dance Workshops	Yes	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">Find your route</a>
Robotic Workshop	Disco/Electronic Workshops	No	<a href="#">Update</a> <a href="#">Delete</a>
Waacking Workshop	Disco/Electronic Workshops	Yes	<a href="#">Update</a> <a href="#">Delete</a> <a href="#">Find your route</a>



## ER DIAGRAM

