# FULL STACK WEB DEVELOPMENT REPORT

## On

## SOCIAL VILLA COMMUNITY

## Submitted by

SHANI KUMAR GUPTA
171500308
PRINCE SINGH
171500239
SAURABH SINGH
171500303

Department of Computer Engineering &
Applications
**Institute of Engineering & Technology**

**GLA University**
**Mathura- 281406, INDIA**
**2019**

**Department of Computer Engineering and Applications**

**GLA University, Mathura**

**17 km. Stone NH#2, Mathura-Delhi Road, P.O. – Chaumuha,**

**Mathura – 281406**

# Declaration

I hereby declare that the work which is being presented in the full stack project "**Social Villa Community** ",fulfil of their requirements for Full stack project viva voce, is an authentic record of our own work carried under the supervision of **MR.PANKAJ KAPOOR SIR.**

**Name of Candidate:**

Shani Kumar Gupta (171500308)

Prince Singh (171500239)

Saurabh Singh (171500303)

**Course:** B. Tech (CSE)

**Year:** 3$^{rd}$ Year

**Semester:** V$^{th}$ Semester

# Acknowledgement

The project work in this report is an outcome of continuous work over a period and drew intellectual support from various sources. I would like to articulate our profound gratitude and to all those people who extended their wholehearted cooperation and have helped me in completing this project successfully.

I am thankful to **MR. PANKAJ KAPOOR** for teaching and assisting me in making the project successful. I would also like to thank our parents & other fellow mates for guiding and encouraging me throughout the duration of the project. I am wholeheartedly thankful to them for giving me their valuable time and attention, and for providing me a systematic way for completing my project in time.

# Abstract

Now a day's, there are so many social issues rising in every country which raise so many problem In front of the country as well as for people. So, we think to make a website that is SOCIAL VILLA COMMUNITY which help to connect those people or children which needs help. IT industry has become world major media sources which provide enquiries information regarding various social cause. With this increasing availability electronic devices such as computers and mobile phones we can connect both the world who are having resource can provide resource to those who lack in resources. By Times of India today India only has 104 million slums and they lack only in resources, our motive is to take out capable youth who lack in resources and who can benefit this society. Social Villa Community website consists of organization connect page as well as New section so the everyone can aware about the Social issues and their causes.

# Content

# Chapter 1

# Introduction

## 1.1 Motivation

In real scenarios, many times we see the problems but don't think about the solution of the particular problem which is greatest cause to increase those problem so we think to create the website through that we can help the need people who are suffering from different type of issues so that we can reduce and we can provide the help to the needy people as well as we think we provide the latest news about the social issues so that everyone can aware about the issues and they can also provide the help in term of donation so that we can feed the requirement of the needy people.

## 1.2 Objective

The objective of this application is to develop a system that effectively can easily connect the needy people to the organization which can easily provide the help to the people so that they can easily rescued and provide the basic facility to the needy because in this present time there are so many organization which provide the help on the time as well as we create the new section for the people so that they can read the new about the social cause and their solution at last we also do the seminars to aware those people who don't know their rights so which can help and connect to the community.

# Chapter 2

# Technologies used

## 2.1 HTML

Hypertext Mark-up Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by *tags*, written using angle brackets. Tags such as **<img/>** and **<input/>** directly introduce content into the page. So basically, we used HTML to design our website in which we different element and different attribute so that it's looks attractive so some of the elements are listed here:

- <html></html>
- <head></head>
- <body></body>

And we follow the basic syntax approach to design our page that is :

<html><head>

<title> College Management System</title>

<link rel=" stylesheet" href=" ../CSS/style.css">

</head><body> ………… ……… ……... </body></html>

Many web sites contain HTML code like: <div id="nav"><div class="header"><div id="footer">

to indicate navigation, header, and footer.

HTML5 offers new semantic elements to define different parts of a web page:



i.  HTML5 <section> Element

The <section> element defines a section in a document.

```
<section>
 <h1>SocialVilla</h1>
  <p>The SocialVilla stands to help physically ill and poor students....</p>
 </section>
```

ii.  HTML5 <article> Element

The <article> element specifies independent, self-contained content.

```
<article>
 <h1>What Does SocialVilla Do?</h1>
  <p>SocialVilla's mission is to stop child labour and abuse.</p></article>
```

iii.    HTML5 &lt;header&gt; Element

The &lt;header&gt; element specifies a header for a document or section.

```
<article>
 <header>
   <h1> What Does SocialVilla Do?</h1>
    <p>SocialVilla's mission: is to accomplish well future for poor student</p>
 </header></article>
```

iv.    HTML5 &lt;footer&gt; Element

The &lt;footer&gt; element specifies a footer for a document or section.

```
<footer>
<p>Posted by: SocialVilla</p>
 <p>Contact information: <a href="SocialVilla:socialvilla@yahoo.com">
 </a>.</p>
</footer>
```

v.    HTML5 &lt;nav&gt; Element

The &lt;nav&gt; element defines a set of navigation links.

```
<nav>
   <a href="/html/">HTML</a> |
   <a href="/css/">CSS</a> |
   <a href="/js/">JavaScript</a> |
   <a href="/jquery/">jQuery</a>
</nav>
```

vi.    HTML5 &lt;aside&gt; Element

The &lt;aside&gt; element defines some content aside from the content it is placed in (like a sidebar).

```
<aside>
  <h4>Epcot Center</h4>
  <p>The Epcot Center is a theme park in Disney World, Florida.</p>
</aside>
```

## 2.2 CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is designed to enable the separation of presentation and content, including layout, colours, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file, and reduce complexity and repetition in the structural content. CSS also has rules for alternate formatting if the content is accessed on a mobile device. The CSS specifications are maintained by the World Wide Web Consortium (W3C). CSS provide the HTML element styling so that element looks attractive so we different type of properties in CSS to style the element some of the examples are listed below and basic syntax follow:

```
.class-name or #id-name
{
width: 100%;
    height: 80px;
    position: absolute;
    background-color: #1f1f1f;
    top: 0;
    opacity: 0.9;
    border-bottom: 3px solid white;
    z-index: 8;
border-top-right-radius: 10px;
    border-bottom-right-radius: 10px;
    border-top: 1px solid white;
    border-right: 3px solid white;
}
```

**The CSS Box Model**

All HTML elements can be considered as boxes. In CSS, the term "box model" is used when talking about design and layout.

The CSS box model is essentially a box that wraps around every HTML element. It consists of: margins, borders, padding, and the actual content. The image below illustrates the box model:
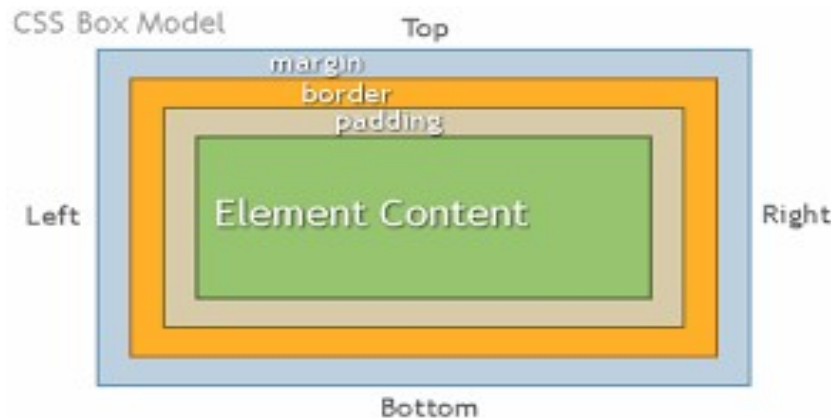


Explanation of the different parts:

- **Content** - The content of the box, where text and images appear
- **Padding** - Clears an area around the content. The padding is transparent
- **Border** - A border that goes around the padding and content
- **Margin** - Clears an area outside the border. The margin is transparent

The box model allows us to add a border around elements, and to define space between elements.

Demonstration of the box model:



This text is the content of the box. We have added a 50px padding, 20px margin and a 15px green border. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

```
div {
  width: 300px;
  border: 15px solid green;
```

```
padding: 50px;

margin: 20px;

}
```

## 2.3 JavaScript

JS, is a high-level, interpreted scripting language. Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web applications. As a multi-paradigm language, JavaScript supports event-driven, functional, and imperative programming styles. It has APIs for working with text, arrays, dates, regular expressions, and the DOM. Initially only implemented client-side in web browsers, JavaScript engines are now embedded in many other types of host software, including server-side in web servers and databases, and in non-web programs such as word processors and PDF software, and in runtime environments that make JavaScript available for writing mobile and desktop applications, including desktop widgets. Java script used for validation purpose so in our project we use Java Script to define the major functionality for specific element. When we use Java Script in our project, we use the <script></script> tag to define the function of an element. Example are given below:

```
<script>

    // Get the modal

    var modal =
document.getElementById("myMo
dal");


    // Get the button that opens the
modal

    var btn =
document.getElementById("myBtn"
);


    // Get the <span> element that
closes the modal
```

```
    var span =
document.getElementsByClassNam
e("close")[0];



    function toggle() {
document.getElementById("side-
bar").classList.toggle('active');

    }



    // When the user clicks the
button, open the modal
```

```
btn.onclick = function() {

modal.style.display = "block";

    }



    // When the user clicks on <span>
(x), close the modal

   span.onclick = function() {

   modal.style.display = "none";

      }
```

```
     // When the user clicks
anywhere outside of the modal,
close it

window.onclick = function(event) {

        if (event.target == modal) {

modal.style.display = "none";

        }

    }


</script>
```

## 2.4 Bootstrap

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and JavaScript-based design templates for typography, forms, buttons, navigation and other interface components. Bootstrap is a framework to help you design websites faster and easier. It includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels, etc. It also gives you support for JavaScript plugins. There is some link which is used when we use bootstrap in HTML document:

```
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.
css" integrity="">
```

```
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min
.js"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
></script>
```

# Chapter 3

# Software Requirement

## 3.1 Brackets

**Brackets** is a source code editor with a primary focus on web development. Created by Adobe Systems, it is free and open-source software licensed under the MIT License, and is currently maintained on GitHub by Adobe and other open-source developers. It is written in JavaScript, HTML and CSS. Brackets is cross-platform, available for macOS, Windows, and most Linux distributions. The main purpose of brackets is its live HTML, CSS and JavaScript editing functionality Brackets Quick edit enables inline editing of CSS, Color Property, and JavaScript elements for developers. This built-in feature can be applied to multiple functions or properties simultaneously and all updates are applied directly to the file associated with the changed elements. Live Preview, this feature also pushes code edits instantly to the browser to present an updated webpage as the developers modify the code.
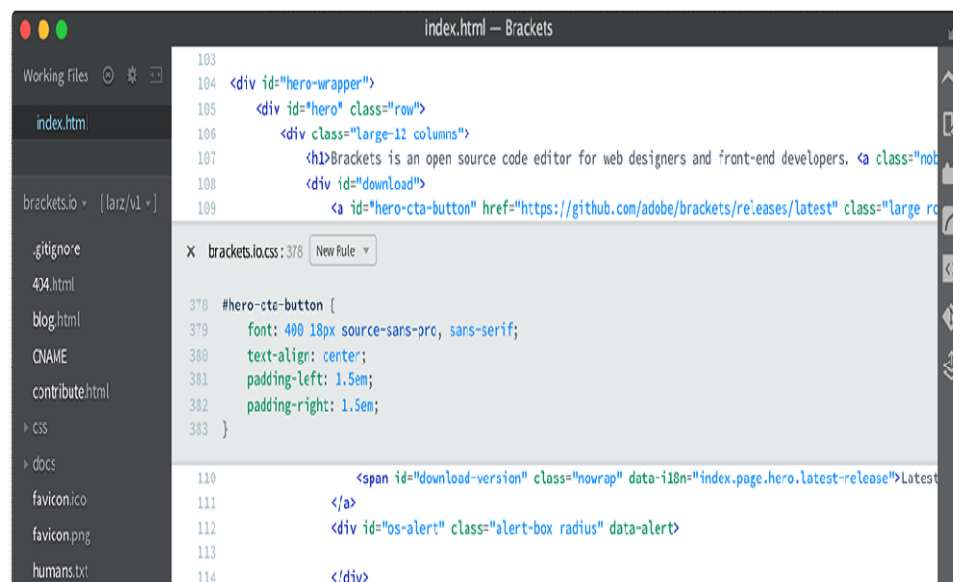


Fig 3.1 Brackets

## Brackets Installation Process:

**Step 1:** Open your browser and search for Brackets then open the link from brackets.io and to download click on "*Download Brackets* ". At the time of this article 1.13 is the latest version of brackets.

**Step 2:** After the download has been completed open the download file to install Brackets on windows 10. On the Brackets installer windows click on *next* and then click on *install*. After that, it will install Brackets on windows 10.

**Step 3:** When you open Brackets for the first time it will open Windows Security Alter just click *Allow Access*.

Fig 3.2 Brackets Setup Installation
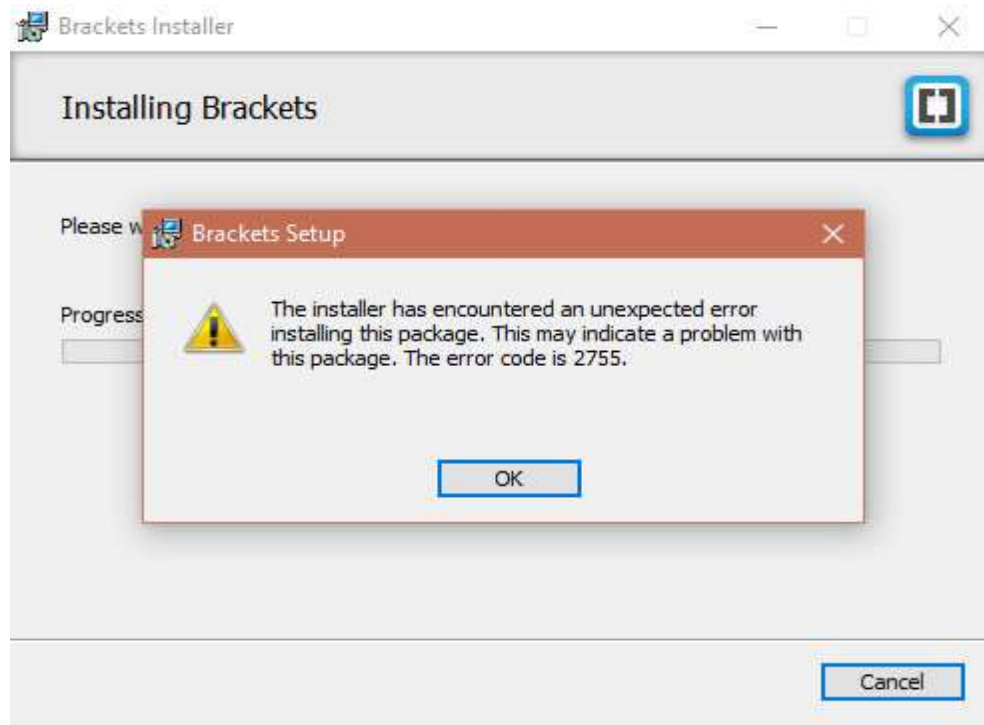
# Chapter 4

## Social Villa Community Website

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## 4.1About the Project:

Social Villa Community is the web-based application through which we will provide the help to those who are suffering from different type of social causes so that our community can help and provide the basic need which is necessary for the needy like education, food, home etc. This website also facilitate the organization to take registration or relationship with us so that we can connect the people easily to the organization as well as there will be news section related to the social issues and their causes on the new portal so that everyone can aware about the social causes which will happen in daily life and also provide the statistics about the social issues. In this website there will be connect with us bottom as well as the navigation bar with consists of About, Social news and contact as well as footer consists of the contact information on the other hand news section will be there so this site is absolutely helpful for every needy people so by this site we will provide the social help to the society or community.

## 4.2 What we have done till now:

So, to design this website we use different tags of HTML, properties of CSS, different function of JavaScript as well as the different type of classes of Bootstrap. In designing part, we use different tag and elements to design our website in which we design the navigation bar, sections, forms, contact information section, organization registration form, social news section, drop down menu as well as different type of buttons so that our website looks attractive some of the parts are discussed below:

1) Navigation Bar: A navigation bar is basically a list of links, so using the \<ul\> and \<li\> elements makes perfect sense:

```
<ul>
  <li><a href="default.asp">Home</a></li>
  <li><a href="news.asp">News</a></li>
  <li><a href="contact.asp">Contact</a></li>
  <li><a href="about.asp">About</a></li>
</ul>
```

2) News Section: In news section, I used bootstrap classes and uses the card view to design the attractive new section so that we can provide the latest news about the current social issues and causes.



Fig 4.1 Social News Section
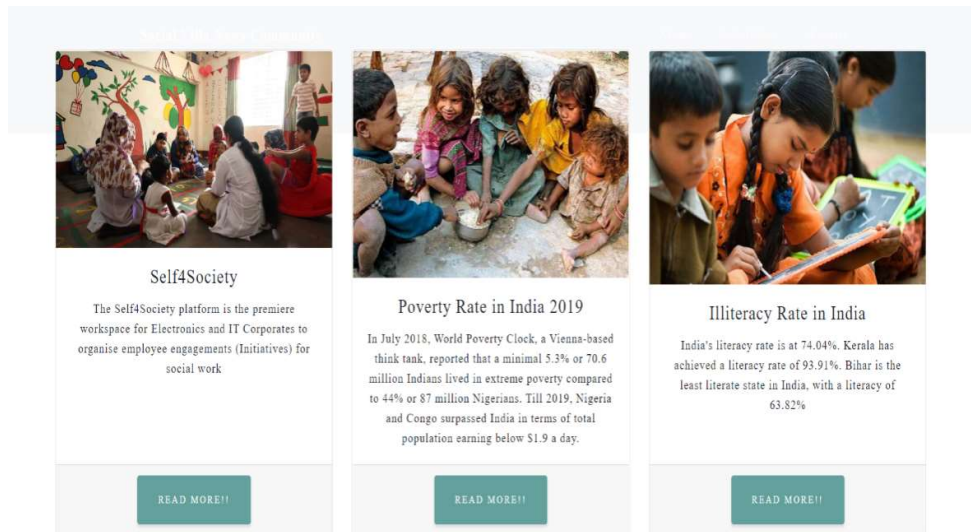
Fig 4.2 Social News Section

3) Home Page: In the home page there is navigation bar with background images as well as the footer section which consists of contact information and some information about Social Villa Community.



Fig 4.3 Home Page Section

Fig 4.3 About Section
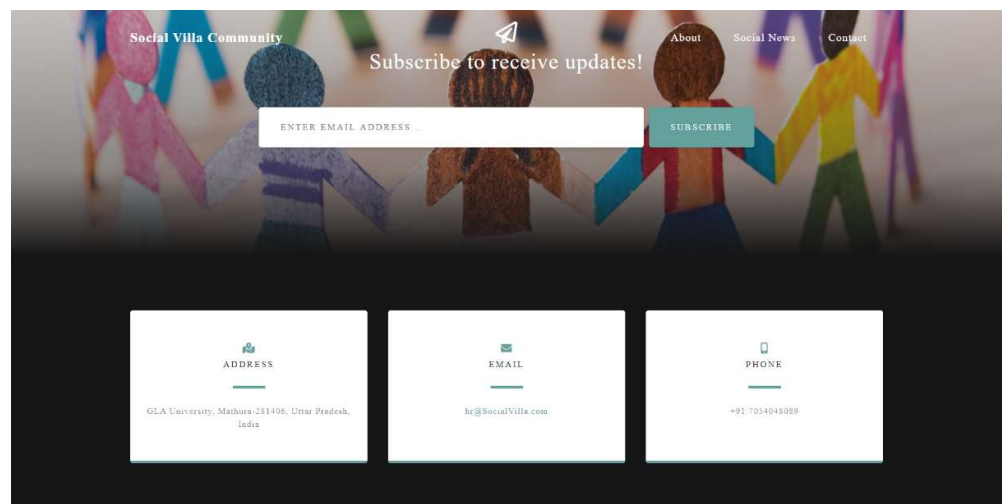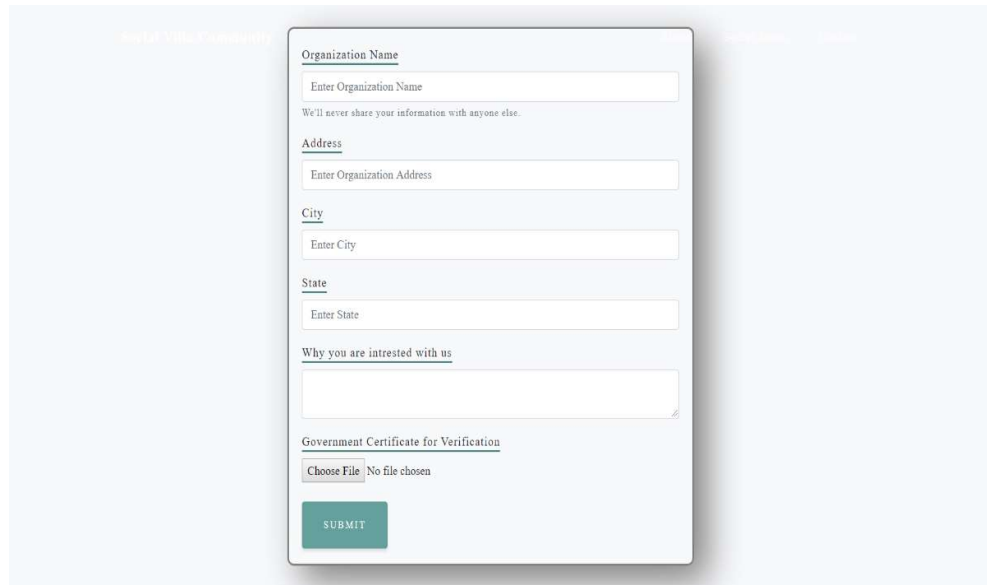


Fig 4.4-Footer Section

4) Organization Registration Form: In Organization Registration form if any community or organization is wanted to connect with us so they can easily apply so that the different organization can facilitate the requirement of the needy people.



Fig 4.5 Organization registration form

# Chapter 5

# Website Functionality

## 5.1 Functionality of Home page:

### 5.1.1 Navigation bar section:

Navigation bar consists of About, Social News and Contact menu which provide the basic information about Social Villa Community, News section provide the social news and contact section provide the contact information of Social Villa Community Website.



Fig 5.1 Navigation bar section

### 5.1.2 Contact Section:

Contact section provide the basic contact information so that people easily contact to us to get any type of help from our side.
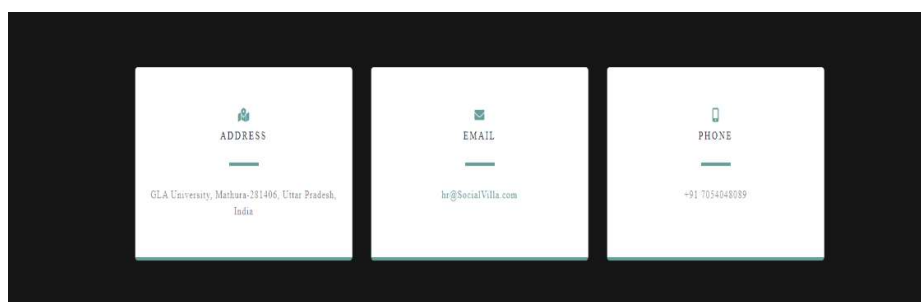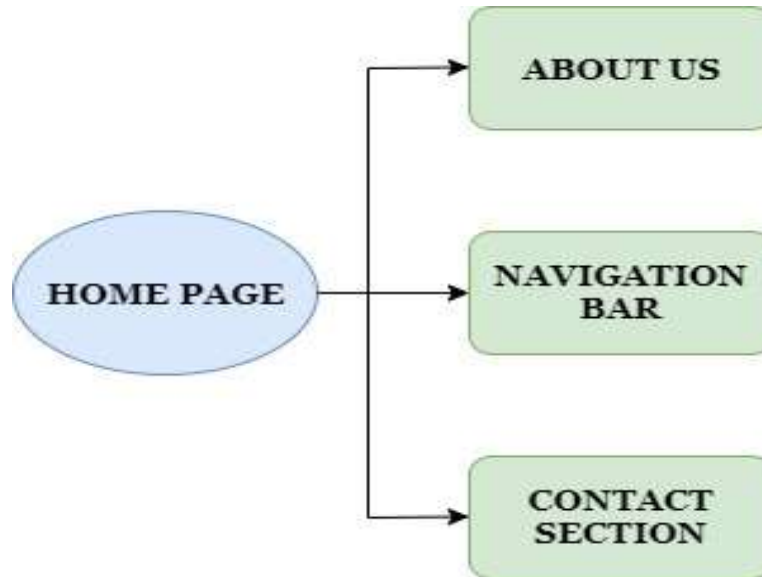


Fig 5.2 Contact section

Fig 5.3 Home Page DFD-0

## 5.2 Functionality of News Section:

Basically, in news section we provide the news about the social causes and daily updates about the social issue solution and in future we provide the chat section as well so that we can take feedback of the people about the Social Villa Community.



Fig 5.4 News Section

# Chapter 6

# References

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In this project there are lots of recourse and videos are available on the internet which help us to complete the project successfully some of the references are:

https://www.w3schools.com/

https://stackoverflow.com/

## GitHub Project Link:

https://github.com/Full-Stack-GLAU/Social-Welfare-Website

# Chapter 7

# Conclusion

Through this web based application that is SOCIAL VILLA COMMUNITY we will provide the different type of facility to the people which is suffering from different type of Social issues and we will connect those people to the organization so that they can easily provide the basic thing which can helpful to those as well as we will provide the social news community section through which we will provide the information about the social causes and issue to the society as well as the community so that we can connect the nation in the Unity