

MINI PROJECT
(2020-21)
“Dengue Management System”
Project Report



GLA UNIVERSITY, MATHURA

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DECLARATION

I hereby declare that the work which is being presented in the Bachelor of technology. Mini-Project “**Dengue Management System**”, in partial fulfillment of the requirements for the award of the ***Bachelor of Technology in Computer Science and Engineering*** and submitted to the Department of Computer Engineering and Applications of GLA University, Mathura, is an authentic record of my own work carried under the supervision of **Mr. Akash Choudhary, Technical Trainer, Dept. of CEA, GLA University.**

The contents of this project report, in full or in parts, have not been submitted to any other Institute or University for the award of any degree.

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CERTIFICATE

This is to certify that the Mini-Project on “*Dengue Management System*”, is a Bonafede work by Prateek Mishra and is submitted in partial fulfillment of the requirements for the award of the degree Bachelor of Technology (Computer Science & Engineering).

Signature of Supervisor:

Name of Supervisor: Mr. Akash Choudhary

Date:



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Apart from the efforts of myself, the success of any project depends largely on the encouragement and guidelines of many others. I take this opportunity to express my gratitude to this project. I would like to show my greatest appreciation to Mr. Akash Choudhary. I can't say thank you enough for his tremendous support and help. I feel motivated and encouraged every time I attend his meeting.

Without his encouragement and guidance on this project would not have materialized. The guidance and support received from all the members who contributed and who are contributing to this project, was vital for the success of the project. I am grateful for their constant support and help.

ABSTRACT

In this Project, I created a Native Application using Block Coding skills and one Dynamic website with HTML and CSS as Frontend and PHP as a Backend Language. Basically in both First Screen we have login Page for user and then it retrieve data from Database (Firebase, XAMPP). Then user can view the condition of patient and medicines to be given or the alternate treatment whatever is going on with present bill of the patient. The Family of that person can see the Blood report, infection report, Room Number, Bed Number, ward and all other Diagnostics.

Then we have one more login portal for Staff members where nurse or compunder inform the staff about the particular patient. They have to upload data after login into that portal, so that anyone who have the Login ID and Password can view the realtime condition of patient.

When user get Discharged after treatment, Then in His/her Portal have the data of do's and don'ts in the duration of recovery and all the necessary services can be provided by calling via Contact us section.

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INTRODUCTION

Dengue (pronounced DEN gee) fever is a painful, debilitating mosquito-borne disease caused by any one of four closely related dengue viruses. These viruses are related to the viruses that cause West Nile infection and yellow fever.

An estimated 400 million dengue infections occur worldwide each year, with about 96 million resulting in illness. Most cases occur in tropical areas of the world, with the greatest risk occurring in:

- The Indian subcontinent
- Southeast Asia
- Southern China
- Taiwan
- The Pacific Islands
- The Caribbean (except Cuba and the Cayman Islands)
- Mexico
- Africa
- Central and South America (except Chile, Paraguay, and Argentina)

Most cases in the United States occur in people who contracted the infection while traveling abroad. But the risk is increasing for people living along the Texas-Mexico border and in other parts of the southern United States. In 2014, an outbreak of dengue fever was identified in Hawaii with other outbreaks in 2013 in Brownsville, Texas and Key West, Fla.

Dengue fever is transmitted by the bite of an Aedes mosquito infected with a dengue virus. The mosquito becomes infected when it bites a person with dengue virus in their blood. It can't be spread directly from one person to another person.

SYSTEM AND HARWARE REQUIREMENT

System Requirement:

Supported Operating System: Windows 7,8,8.1,10 and 11, Linux,

MacOS Software Required: Any Browser

Android Requirements: Any Android Version with any Browser.

Hardware Requirements:

Web, Tablets and Smartphones

Any device Which is able to Surf Internet with Browser

FRONTEND AND BACKEND

Frontend:

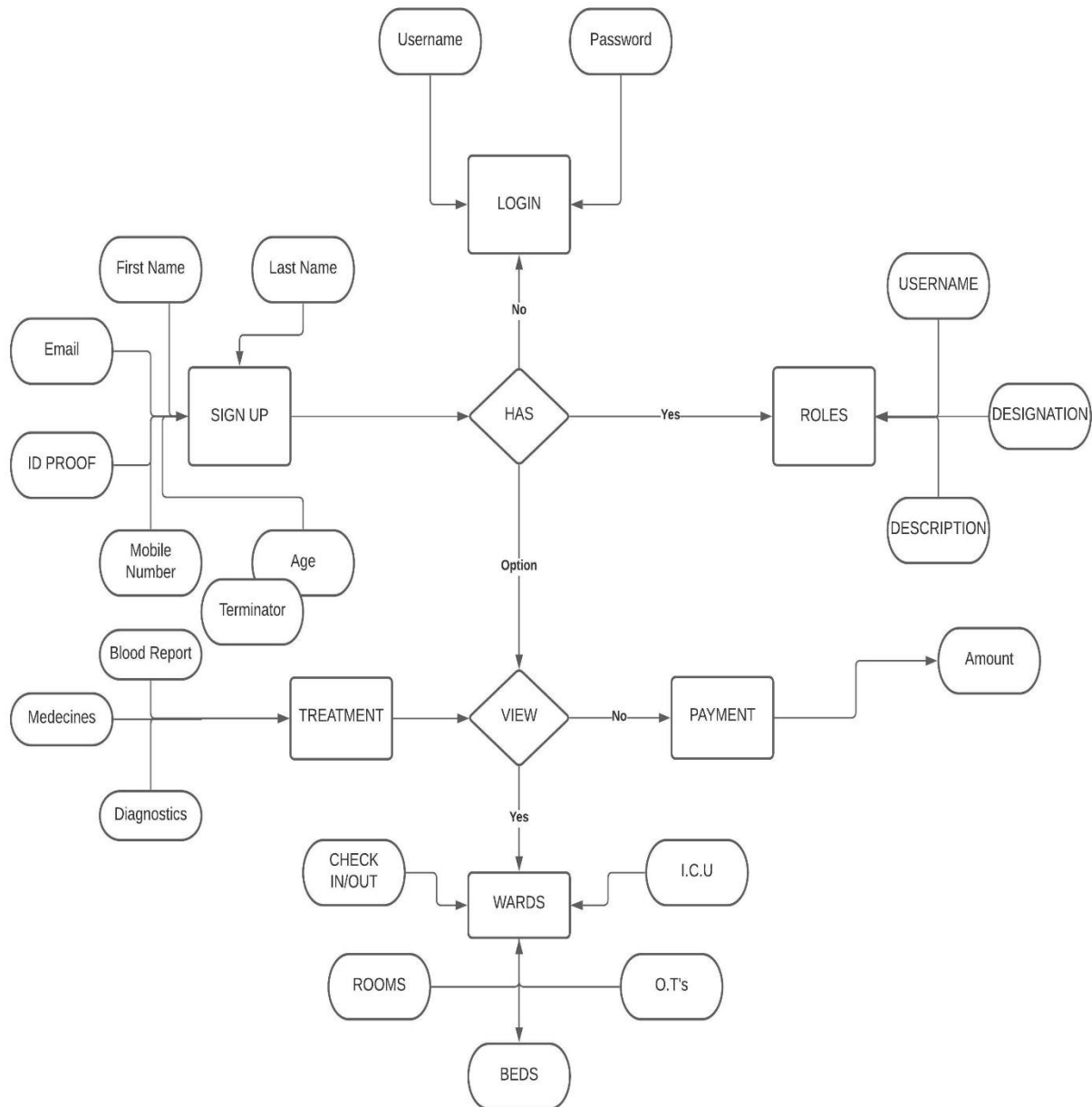
HTML, CSS

Backend:

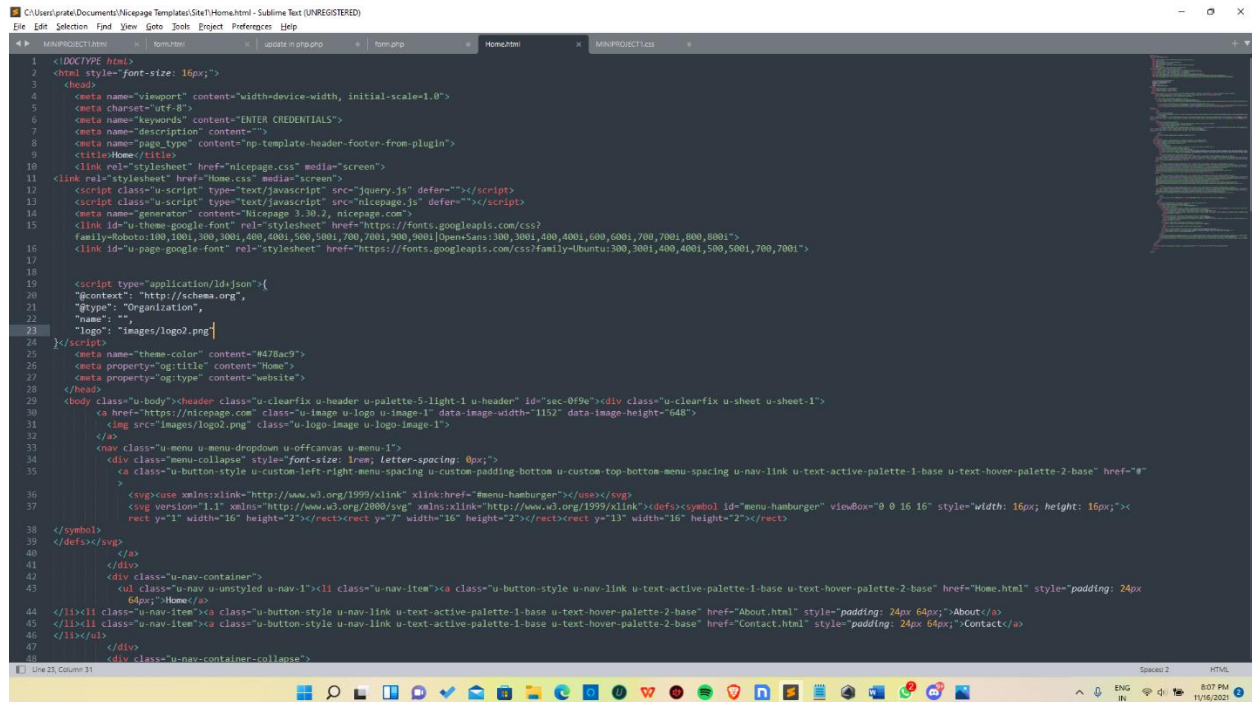
PHP, XAMPP, GPC

DATA FLOW DIAGRAM

Source: https://lucid.app/lucidchart/4eb00dcb-a626-490a-8557-afc9a81dce8d/edit?viewport_loc=-97%2C-104%2C2219%2C1103%2C0_0&invitationId=inv_8ba3b3b1-f180-421d-8a3a-cdf2d242b58e



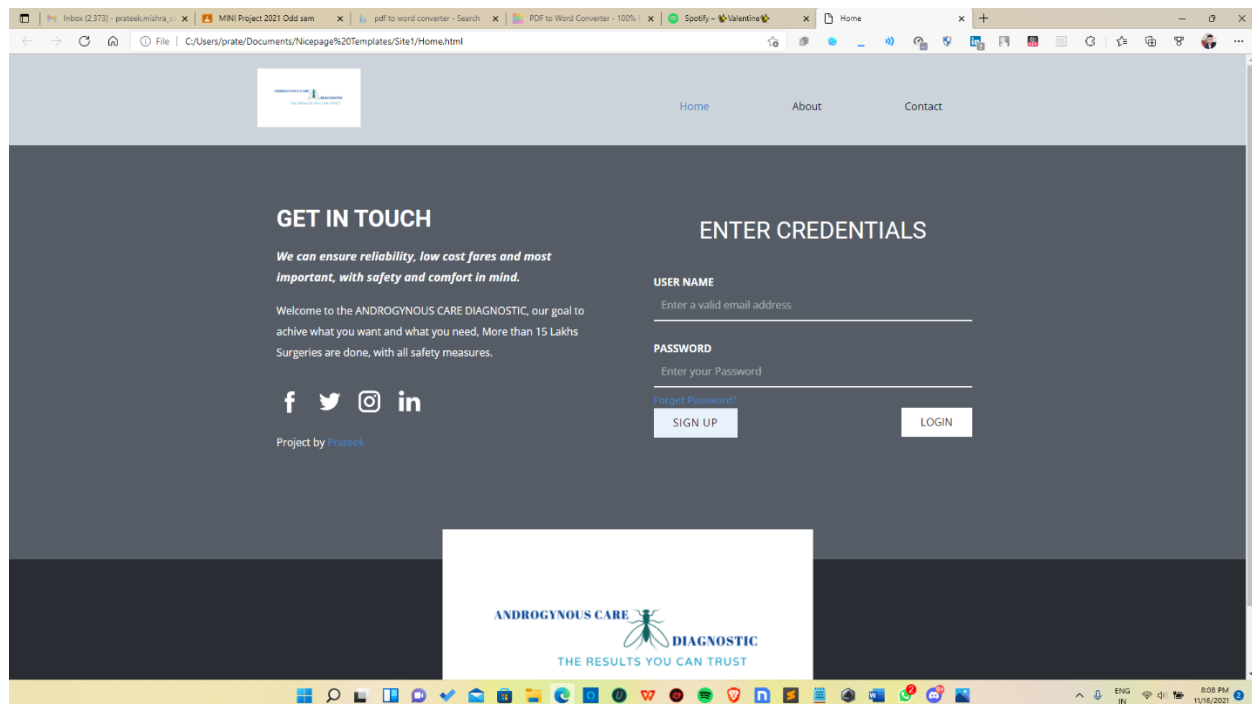
CURRENT PROGRESS WITH SCREENSHOTS

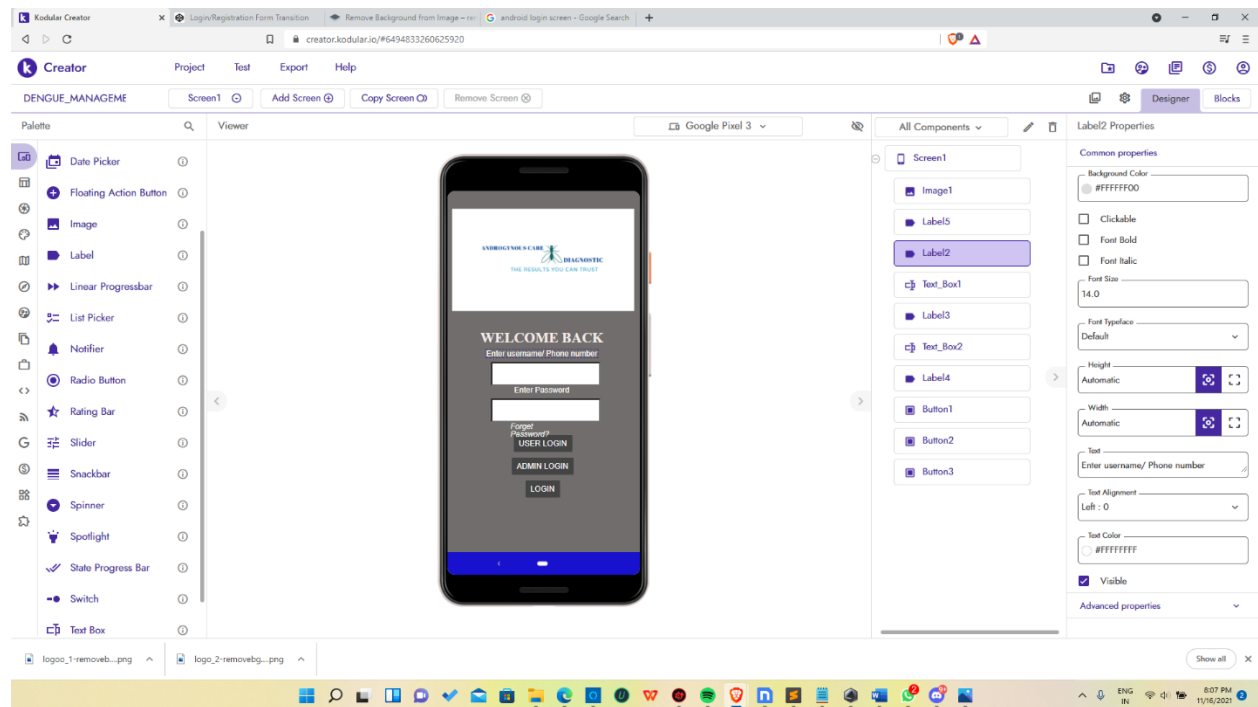


```

1 <!DOCTYPE html>
2 <html style="font-size: 16px;">
3 <head>
4   <meta name="viewport" content="width=device-width, initial-scale=1.0">
5   <meta charset="utf-8">
6   <meta name="keywords" content="ENTER CREDENTIALS">
7   <meta name="description" content="">
8   <meta name="page_type" content="np.template-header-footer-from-plugin">
9   <title>Home</title>
10  <link rel="stylesheet" href="nicepage.css" media="screen">
11  <link rel="stylesheet" href="Home.css" media="screen">
12  <script class="u-script" type="text/javascript" src="jquery.js" defer=""></script>
13  <script class="u-script" type="text/javascript" src="nicepage.js" defer=""></script>
14  <meta name="generator" content="Nicepage 3.30.2, nicepage.com">
15  <link id="u-theme-google-font" rel="stylesheet" href="https://fonts.googleapis.com/css?
family=Roboto:100,100i,300,300i,400,400i,500,500i,700,700i,900,900i|Open+Sans:300,300i,400,400i,600,600i,700,700i,800,800i">
16  <link id="u-page-google-font" rel="stylesheet" href="https://fonts.googleapis.com/css?family=Ubuntu:300,300i,400,400i,500,500i,700,700i">
17
18  <script type="application/json">{
19    "contact": "http://chema.org",
20    "type": "Organization",
21    "name": "",
22    "logo": "images/logo2.png"
23  }</script>
24  <meta name="theme-color" content="#478ac9">
25  <meta property="og:title" content="Home">
26  <meta property="og:type" content="website">
27 </head>
28 <body class="u-body"><header class="u-clearfix u-header u-palette-5-light-1 u-header" id="sec-0f9e"><div class="u-clearfix u-sheet u-sheet-1">
29   <a href="https://nicepage.com" class="u-image u-logo u-image-1" data-image-width="1152" data-image-height="648">
30     
31   </a>
32   <nav class="u-menu u-menu-dropdown u-offcanvas u-menu-1">
33     <div class="menu-collapse" style="font-size: 14px; letter-spacing: 0px;">
34       <a class="u-button-style u-custom-left-right-menu-spacing u-custom-padding-bottom u-custom-top-bottom-menu-spacing u-nav-link u-text-active-palette-1-base u-text-hover-palette-2-base" href="#">
35         <svg><use xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="#menu-hamburger"></use></svg>
36         <svg version="1.1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink"><defs><symbol id="menu-hamburger" viewBox="0 0 16 16" style="width: 16px; height: 16px;"><
37           rect y="1" width="16" height="2"></rect><rect y="7" width="16" height="2"></rect><rect y="13" width="16" height="2"></rect>
38         </symbol>
39       </defs></svg>
40     </div>
41     <div class="u-nav-container">
42       <ul class="u-nav u-unstyled u-nav-1"><li class="u-nav-item"><a class="u-button-style u-nav-link u-text-active-palette-1-base u-text-hover-palette-2-base" href="Home.html" style="padding: 24px 64px">Home</a>
43     </li><li class="u-nav-item"><a class="u-button-style u-nav-link u-text-active-palette-1-base u-text-hover-palette-2-base" href="About.html" style="padding: 24px 64px">About</a>
44     </li><li class="u-nav-item"><a class="u-button-style u-nav-link u-text-active-palette-1-base u-text-hover-palette-2-base" href="Contact.html" style="padding: 24px 64px">Contact</a>
45     </li></ul>
46   </div>
47   <div class="u-nav-container-collapse">

```





DESCRIPTION

Sometimes, symptoms are mild and can be mistaken for those of the flu or another viral infection. Younger children and people who have never had the infection before tend to have milder cases than older children and adults. However, serious problems can develop. These include dengue hemorrhagic fever, a rare complication characterized by high fever, damage to lymph and blood vessels, bleeding from the nose and gums, enlargement of the liver, and failure of the circulatory system. The symptoms may progress to massive bleeding, shock, and death. This is called dengue shock syndrome (DSS).

People with weakened immune systems as well as those with a second or subsequent dengue infection are believed to be at greater risk for developing dengue hemorrhagic fever.

Diagnosing Dengue Fever

Doctors can diagnose dengue infection with a blood test to check for the virus or antibodies to it. If you become sick after traveling to a tropical area, let your doctor know. This will allow your doctor to evaluate the possibility that your symptoms were caused by a dengue infection.

Preventing Dengue Fever

The best way to prevent the disease is to prevent bites by infected mosquitoes, particularly if you are living in or traveling to a tropical area. This involves protecting yourself and making efforts to keep the mosquito population down. In 2019, the FDA approved a vaccine called Dengvaxia to help prevent the disease from occurring in adolescents aged 9 to 16 who have already been infected by dengue. But, there currently is no vaccine to prevent the general population from contracting it.

CONCLUSION

Dengue is an infection caused by a virus. You can get it if an infected mosquito bites you. Dengue does not spread from person to person. It is common in warm, wet areas of the world. Outbreaks occur in the rainy season. Dengue is rare in the United States.

Symptoms include a high fever, headaches, joint and muscle pain, vomiting, and a rash. In some cases, dengue turns into dengue hemorrhagic fever, which causes bleeding from your nose, gums, or under your skin. It can also become dengue shock syndrome, which causes massive bleeding and shock. These forms of dengue are life-threatening.

REFERENCE

For Application Development:

<https://build.draftbit.com/apps/qQmGyCZr/screens/pbV6aFiq?app-onboarding=TRY4hWbN&c=NA6C0r07&m=Design>

For Hosting:

XAMPP

For Database:

GOOGLE FIREBASS AND GCP

Data on dengue:

<https://www.cdc.gov/dengue/healthcare-providers/index.html>

Data of Medicines (Approx.):

<https://www.mayoclinic.org/diseases-conditions/dengue-fever/diagnosis-treatment/drc-20353084>