Project Report

Analytics For Hospital Health Care

Team ID	PNT2022TMID18388
Project Name	Analytics for Hospitals' Health-Care Data
Team Leader	Laxmi Priya S
Team Member 1	Kaviya M
Team Member 2	Keerthana R
Team Member 3	Madhumitha J

Length of Stay:

Length of Stay is Depends on Age, Previous Health issue, Level of severity. Which need of extra bed and extra oxygen in pandemic situation.

Project Objective:

As healthcare organizations around the world are challenged to reduce costs, improve coordination with care teams, provide more with less, and focus on improving patient care, analytics will be especially important. Primary care physician and nursing shortages are requiring overworked professionals to be even more productive. Plus, new businesses entering the market and new approaches to healthcare delivery will increase competition in the industry. Building analytics competencies can help healthcare organizations harness big data to create actionable insights that can be used by healthcare providers, hospital and health system leaders, and those in government health and human services to improve outcomes deliver value for the people they serve.

Purpose:

The length of stay (LoS) is a key indicator of how efficiently hospitals are being managed and is used to assess the efficiency of hospital management and patient quality of care, and for functional evaluations. A shorter stay means that more beds are available for more patients and reduces hospital resource consumption; thus, it corresponds to a decrease in health-related expenditure. Reducing LoS has been linked to lower risks of opportunistic infections and medication side effects, and improved treatment outcomes and lower mortality rates. In addition, a shorter hospital stay reduces the burden of medical fees and increases bed turnover, and thus increases hospitals’ profit margins while lowering the overall social cost . Researchers must determine which characteristics are associated with longer or shorter hospital stays in patients.

Reference

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Available online:

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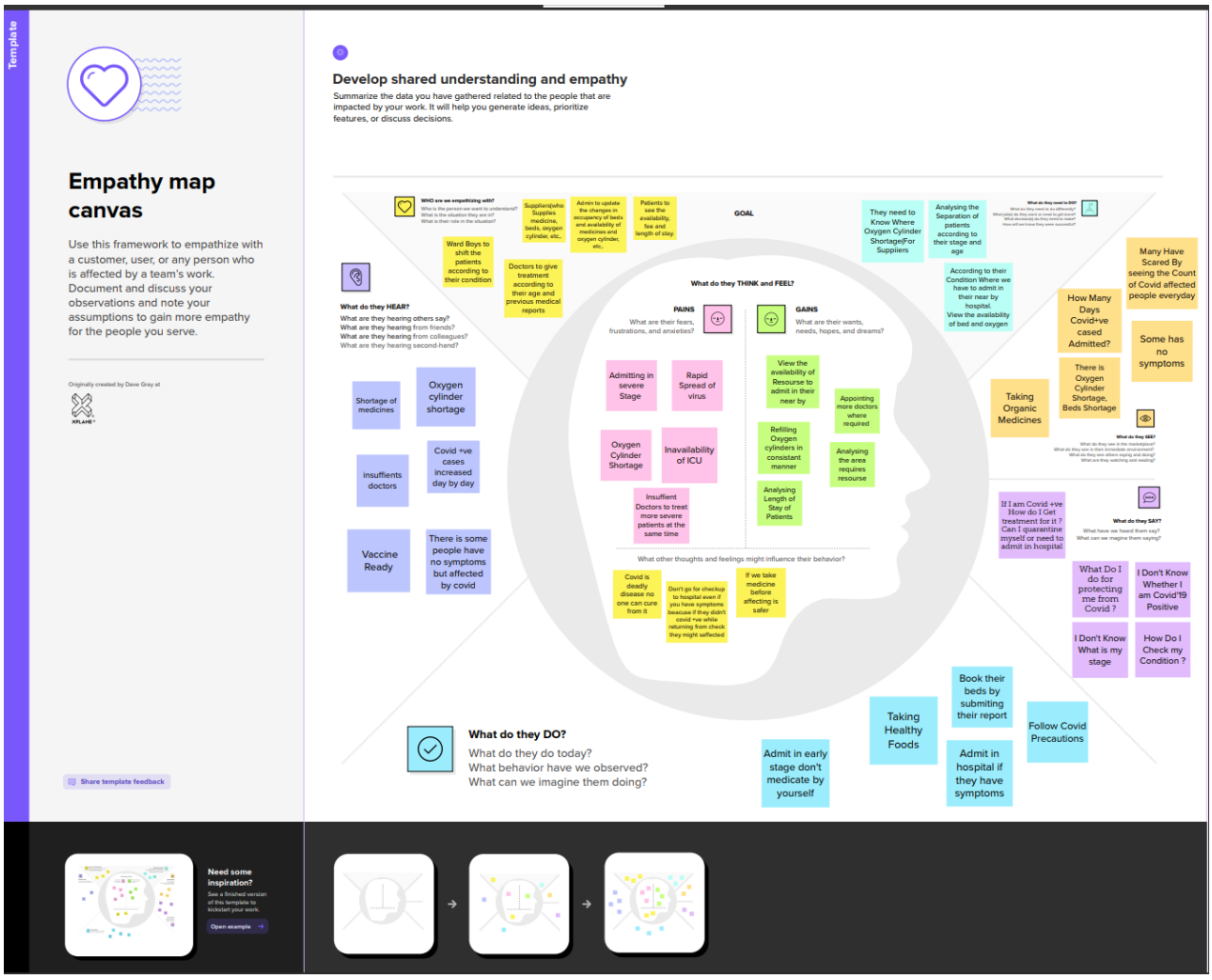
health records: A statistical and data mining approach. PLoS ONE. 2018;13:e0195901. doi: 10.1371/journal.pone.0195901. [PMC free article] [PubMed] [CrossRef] [Google Scholar] Bueno H., Ross J.S., Wang Y., Chen J., Vidan M.T., Normand S.L., Curtis J.P., Drye E.E., Lichtman J.H., Keenan P.S., et al. Trends in length of stay and short-term outcomes among Medicare patients hospitalized for heart failure, 1993–2006. JAMA. 2010;303:2141–2147. doi: 10.1001/jama.2010.748. [PMC free article] [PubMed] [CrossRef] [Google Scholar]

Problem Statement:

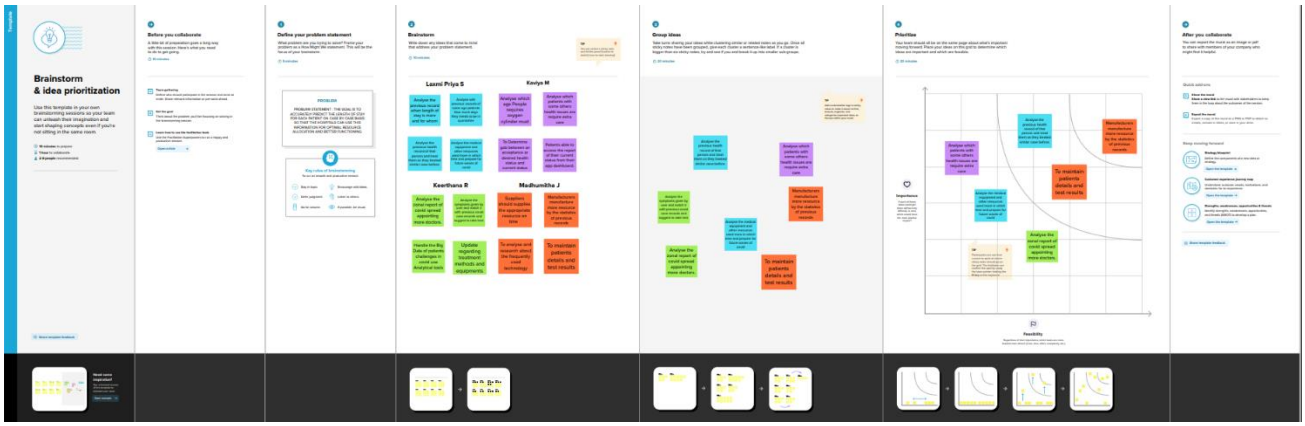
User Admitting to hospital due to covid +ve . Sometimes there is bed shortage for that patients. Doctors need to take care of more patients at the same time because many have severe stages. Suppliers needs to know status of resource before the stock get over. Hospital Administration to check the status of patients and shift their wards. Oxygen Cylinder shortage. Especially high risk severe cases of covid need to admit in ICU ventilation sometimes it is unavailable. Doctors has to consider the previous health record of the patients. Using Big Data Analytics we have to analyse the length of stay for each stages of covid cases along with their age.

Ideation Phase:

Empathy Map:



Brainstorm:



Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to besolved)	The goal is to accurately predict the Length of Stay(LOS) for each patient on case by case basisso that the Hospitals can use this information for optimal resource allocation and better functioning.
2.	Idea / Solution description	This parameter helps hospitals to identify patients of high LOS-risk at the time of admission. Once identified, patients with high LOS risk can have their treatment plan optimized to minimize LOS and lower the chance of staff/visitor infection. Also, prior knowledge of LOS can aid in logistics such as room and bed allocation planning.A informative, creative dashboard can be createdto present the data and utilize it for prior proper planning and resource allocation.
3.	Novelty / Uniqueness	Chances for staff/visitor infections can belowered. Efficient time management is practiced.
4.	Social Impact / Customer Satisfaction	Its helps the Hospitals work effectively andefficiently. Aims at the objectives and missions of Hospitals.
5.	Business Model (Revenue Model)	Ad-based revenue model-Creating ads for website, apps or services to be developed can earn.
6.	Scalability of the Solution	Supports future

		increases in throughput(number of users). Maintains best possible user experience.

Problem Solution Fit:

1. Customer Segments	2. Customer Constraints	3.Available Solutions
My customers are various Hospitals, Medical Professionals and Hospital Staffs.	Limitations For my customer to buy/use my product or service are 1. Difficulty in migrating from manual process because they are used to manual process so are unable to speedily cope with the new systems 2. Fear of security breach 3. High cost of software development and deployment 4. Lack of IT friendly medical personnel 5. Huge influx of patients visiting hospitals	The solution available are 1. Pen and paper method in rural small health cares, which needs to be maintained, manual works, slower and time consuming process. 2. Hospital management system which contains registration storing details.

4.Jobs to be Done/Problems

The main jobs to be done are

1. Resource allocation
2. Improved Patients care
3. Avoid errors and track every single details
4. Improve data security and retrieve ability
5. Enhanced decision making in clinics
6. Easy access to patients data
7. Schedule duties to staffs

5.Problem root cause

The main Cause are

1. Huge influx of patients visiting hospitals
2. Time Consuming to collect, store patients data
3. Lack of security, inconsistency in data entry.
4. Prone to damage and being misplaced
5. Hard to make changes, editing problems
6. Limit communication and collaboration
7. Log process to analyse and allocate jobs
8. Lots of manual works

6.Behaviour

1. The customer should woks and move for advanced techniques
2. Use hospital managements systems
3.Purchase products or services that stores, maintains and process the data
4. Use analysis
5. Use advanced technology to analyse and work on patients data

7. Triggers

The triggers for my customers are

1. Facing the existing challenges, and difficulties
2. Looking at other sectors growing
3. Advancements and growth in technology
4. Increased productivity from hospital management system

Increased analytics work

8. Your Solution

The solution is to accurately predict the Length of Stay(LOS) for each patient on case by case basis so that the Hospitals can use this information for optimal resource allocation and better functioning.
This parameter helps hospitals to identify patients of high LOS-risk at the time of admission. Once identified, patients with high LOS risk can have their treatment plan optimized to minimize LOS and lower the chance of staff/visitor infection. Also, prior

9. Emotions: Before/After

Before

1. Frustrated, confused
2. Inefficient time management
3. Poor resource allocation, staffing
4. Worried about huge stuffs of work, workload
5. Work pressure

After

1. Secured, find it easy, efficient and reliable
2. Efficient time

	knowledge of LOS can aid in logistics such as room and bed allocation planning.A informative, creative dashboard can be created to present the data and utilize it for prior proper planning and resource allocation.	management 3. Better resource allocation 4. Less manual work Need to develop technical knowledge

10.Channels of Behavior

Online

Customers can purchase the service/product anduse it to store patients data regularly, maintain their details, create dashboards and work on it online efficiently and effectively

Offline

Using the collected data, customers can interpret, analyze, and utilize the data to allocate resources, schedule jobs to staffs,do planning for proper management of hospital

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Give information
FR-2	Generating Dashboard	View availability of bed and medical facility
FR-3	Generating Report	View report of predictive analysis

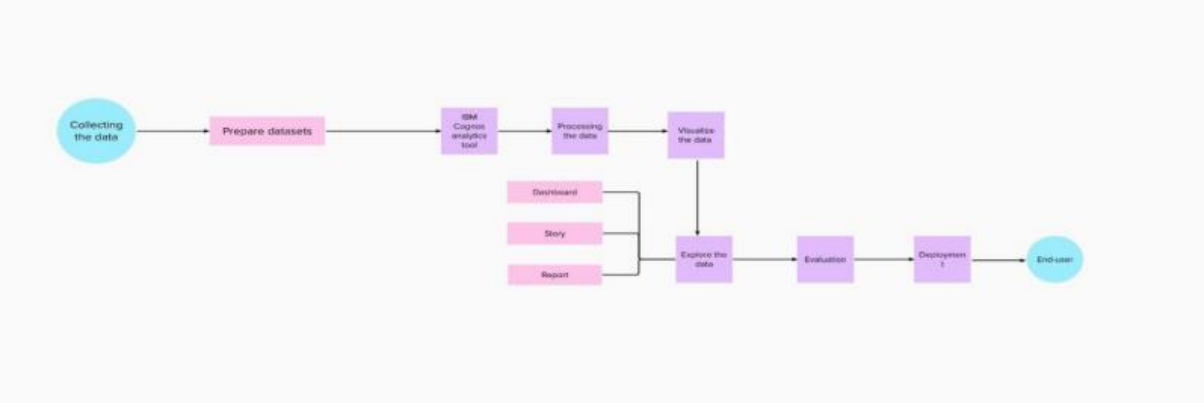
Non-Functional Requirement:

FR No	Non-Functional Requirement	Description
NFR-1	Usability.	This service will have a simple and user-friendly graphical interface. Users will be able to

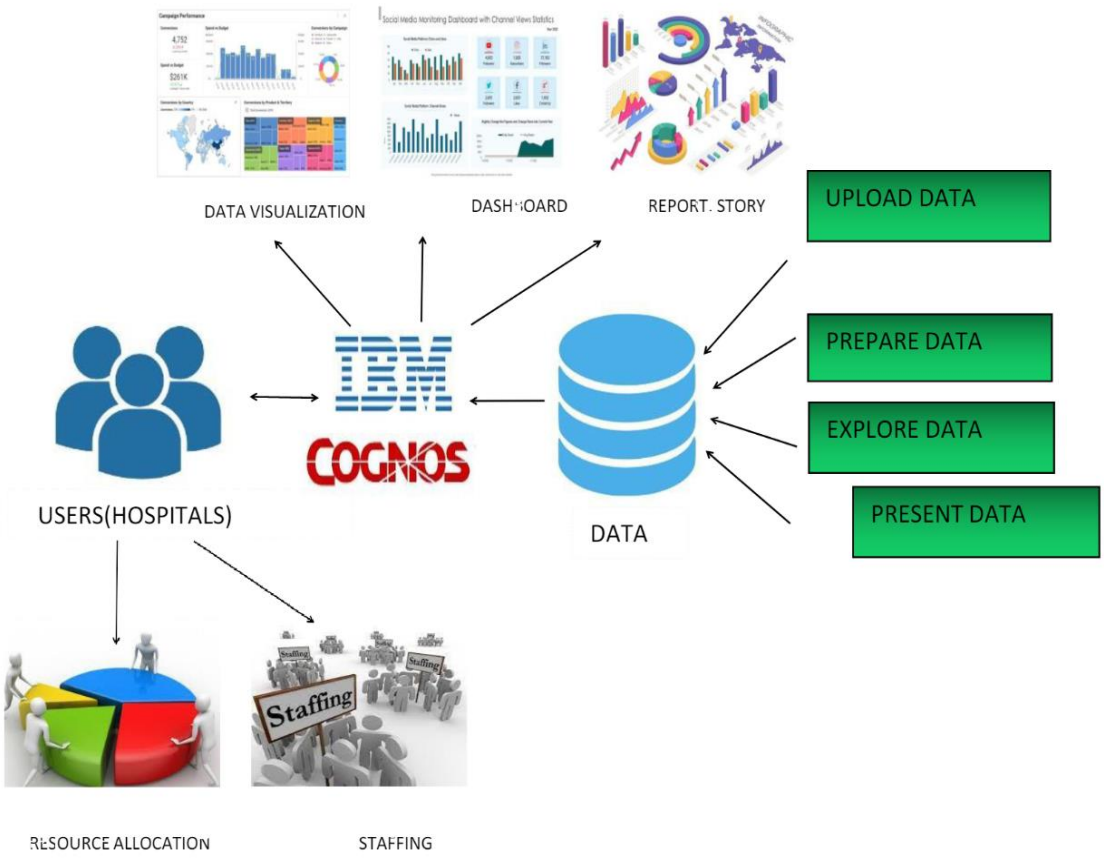
		understand and use all the features easily
NFR-2	Security	The main security concern is for users login information is end to end encryption should be used to avoid hacking
NFR-3	Reliability	It has high reliability because when the system is disconnected or internet connection lost, it should save all the process of the users made.
NFR-4	Performance	A good internet speed while browsing the availability of bed it had high performance with efficiency.
NFR-5	Availability	It will be available 24 hours a day and seven days a week. User access anywhere at any time .
NFR-6	Scalability	A Many users can access the website simultaneously.

Project Design flow:

Data Flow Diagram:



Solution and technical Architecture :


DATA VISUALIZATION
DASHBOARD
REPORT. STORY
UPLOAD DATA
PREPARE DATA
EXPLORE DATA
PRESENT DATA
IBM
COGNOS
USERS(HOSPITALS)
DATA
Staffing
RESOURCE ALLOCATION
STAFFING

Project Planning Schedule:

Sprint Planning:

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a health care provider I can create account in IBM cloud and the data arecollected.	20	low	Keerthana, Kaviya
Sprint-2	Analyze	USN-2	As a health care provider all the data thatare collected is cleaned and uploaded in the database or IBM cloud.	20	Medium	Laxmi Priya
Sprint-3	Dashboard	USN-3	As a health care provider I can use my account in my dashboard for uploading dataset.	10	Medium	Laxmi Priya, Madhumitha J
Sprint-3	Visualization	USN-4	As a health care provider I can prepare data for Visualization.	10	High	Laxmi Priya, Kaviya
Sprint-4	Visualization	USN-5	As a health care provider I canpresent data in my dashboard.	10	High	Keerthana,Laxmi Priya,Madhumitha
Sprint-4	Prediction	USN-6	As a health care provider I can predict the length ofstay	10	High	Madhumitha,Laxmi Priya, Kaviya

Sprint Delivery Schedule:

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date(Actual)
Sprint-1	20	6 Days	01 Nov 2022	07 Nov 2022	20	18 Nov 2022
Sprint-2	20	6 Days	02 Nov 2022	08 Nov 2022	20	18 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	18 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Coding:

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
   <head>
      <meta charset="utf-8">
      <title>Dashboard Login</title>
      <link rel="stylesheet" href="style.css">
      <meta name="viewport" content="width=device-width, initial-scale=1.0">
   </head>
   <body>
      <div class="wrapper">
         <div class="title-text">
            <div class="title login">
               Login Form
            </div>
            <div class="title signup">
               Signup Form
            </div>
         </div>
```

```
        <div class="form-container">
            <div class="slide-controls">
                <input type="radio" name="slide" id="login" checked>
                <input type="radio" name="slide" id="signup">
                <label for="login" class="slide login">Login</label>
                <label for="signup" class="slide signup">Signup</label>
                <div class="slider-tab"></div>
            </div>
            <div class="form-inner">
                <form action="/Sprint 4/dashboard.html" class="login">
                    <div class="field">
                        <input type="text" placeholder="Email Address" required>
                    </div>
                    <div class="field">
                        <input type="password" placeholder="Password" required>
                    </div>
                    <div class="pass-link">
                        <a href="#">Forgot password?</a>
                    </div>
                    <div class="field btn">
                        <div class="btn-layer"></div>
                        <input type="submit" value="Login">
                    </div>
                    <div class="signup-link">
                        Not a member? <a href="">Signup now</a>
                    </div>
                </form>
                <form action="/Sprint 4/dashboard.html" class="signup">
                    <div class="field">
                        <input type="text" placeholder="Email Address" required>
                    </div>
                    <div class="field">
                        <input type="password" placeholder="Password" required>
                    </div>
                    <div class="field">
                        <input type="password" placeholder="Confirm password"
required>
                    </div>
                    <div class="field btn">
                        <div class="btn-layer"></div>
                        <input type="submit" value="Signup">
                    </div>
                </form>
            </div>
        </div>
    </div>
    <script>
        const loginText = document.querySelector(".title-text .login");
```

```
        const loginForm = document.querySelector("form.login");
        const loginBtn = document.querySelector("label.login");
        const signupBtn = document.querySelector("label.signup");
        const signupLink = document.querySelector("form .signup-link a");
        signupBtn.onclick = (()=>{
          loginForm.style.marginLeft = "-50%";
          loginText.style.marginLeft = "-50%";
        });
        loginBtn.onclick = (()=>{
          loginForm.style.marginLeft = "0%";
          loginText.style.marginLeft = "0%";
        });
        signupLink.onclick = (()=>{
          signupBtn.click();
          return false;
        });
      </script>
   </body>
</html>
```

```
@import
url('https://fonts.googleapis.com/css?family=Poppins:400,500,600,700&display=s
wap');
*{
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  font-family: 'poppins', sans-serif;
}
html,body{
  display: grid;
  height: 100%;
  width: 100%;
  place-items: center;
  background: -webkit-linear-gradient(left, #d99c19, #e87727);
}
::selection{
  background: #d99c19;
  color: #fff;
}
.wrapper{
  overflow: hidden;
  max-width: 390px;
  background: rgb(216, 207, 22);
  padding: 30px;
  border-radius: 5px;
  box-shadow: 0px 15px 20px rgba(0,0,0,0.1);
}
```

```css
.wrapper .title-text{
  display: flex;
  width: 200%;
}
.wrapper .title{
  width: 50%;
  font-size: 35px;
  font-weight: 600;
  text-align: center;
  transition: all 0.6s cubic-bezier(0.68,-0.55,0.265,1.55);
}
.wrapper .slide-controls{
  position: relative;
  display: flex;
  height: 50px;
  width: 100%;
  overflow: hidden;
  margin: 30px 0 10px 0;
  justify-content: space-between;
  border: 1px solid lightgrey;
  border-radius: 5px;
}
.slide-controls .slide{
  height: 100%;
  width: 100%;
  color: #fff;
  font-size: 18px;
  font-weight: 500;
  text-align: center;
  line-height: 48px;
  cursor: pointer;
  z-index: 1;
  transition: all 0.6s ease;
}
.slide-controls label.signup{
  color: #000;
}
.slide-controls .slider-tab{
  position: absolute;
  height: 100%;
  width: 50%;
  left: 0;
  z-index: 0;
  border-radius: 5px;
  background: -webkit-linear-gradient(left, #d99c19, #e87727);
  transition: all 0.6s cubic-bezier(0.68,-0.55,0.265,1.55);
}
input[type="radio"]{
```

```
  display: none;
}
#signup:checked ~ .slider-tab{
  left: 50%;
}
#signup:checked ~ label.signup{
  color: #fff;
  cursor: default;
  user-select: none;
}
#signup:checked ~ label.login{
  color: #000;
}
#login:checked ~ label.signup{
  color: #000;
}
#login:checked ~ label.login{
  cursor: default;
  user-select: none;
}
.wrapper .form-container{
  width: 100%;
  overflow: hidden;
}
.form-container .form-inner{
  display: flex;
  width: 200%;
}
.form-container .form-inner form{
  width: 50%;
  transition: all 0.6s cubic-bezier(0.68,-0.55,0.265,1.55);
}
.form-inner form .field{
  height: 50px;
  width: 100%;
  margin-top: 20px;
}
.form-inner form .field input{
  height: 100%;
  width: 100%;
  outline: none;
  padding-left: 15px;
  border-radius: 5px;
  border: 1px solid lightgrey;
  border-bottom-width: 2px;
  font-size: 17px;
  transition: all 0.3s ease;
}
```

```
.form-inner form .field input:focus{
  border-color: #d99c19;
  /* box-shadow: inset 0 0 3px #fb6aae; */
}
.form-inner form .field input::placeholder{
  color: #999;
  transition: all 0.3s ease;
}
form .field input:focus::placeholder{
  color: #b3b3b3;
}
.form-inner form .pass-link{
  margin-top: 5px;
}
.form-inner form .signup-link{
  text-align: center;
  margin-top: 30px;
}
.form-inner form .pass-link a,
.form-inner form .signup-link a{
  color: #d99c19;
  text-decoration: none;
}
.form-inner form .pass-link a:hover,
.form-inner form .signup-link a:hover{
  text-decoration: underline;
}
form .btn{
  height: 50px;
  width: 100%;
  border-radius: 5px;
  position: relative;
  overflow: hidden;
}
form .btn .btn-layer{
  height: 100%;
  width: 300%;
  position: absolute;
  left: -100%;
  background: -webkit-linear-gradient(right, #d99c19, #e87727, #d99c19,
#e87727);
  border-radius: 5px;
  transition: all 0.4s ease;;
}
form .btn:hover .btn-layer{
  left: 0;
}
form .btn input[type="submit"]{
```

```
  height: 100%;
  width: 100%;
  z-index: 1;
  position: relative;
  background: none;
  border: none;
  color: rgb(255, 255, 255);
  padding-left: 0;
  border-radius: 5px;
  font-size: 20px;
  font-weight: 500;
  cursor: pointer;
}
```

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Awesome CSS Responsive Navigation menus  </title>
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-
awesome/4.7.0/css/font-awesome.min.css">

    <link rel="stylesheet" href="style.css">
</head>
<body style="background-color: rgb(255, 215, 0) ">
    <header>
        <input type ="checkbox" name ="" id ="chk1">
        <div class="logo"><h1>Promise Hospital</h1></div>
            <div class="search-box">
                <form>
                    <input type ="text" name ="search" id ="srch"
placeholder="Search">
                    <button type ="submit"><i class="fa fa-
search"></i></button>
                </form>
            </div>
            <ul>
                <li><a href="#">Home</a></li>
                <li><a
href="https://us1.ca.analytics.ibm.com/bi/?perspective=dashboard&id=i63375A743
3EA480D9B0CE60137319FAC&objRef=i63375A7433EA480D9B0CE60137319FAC&options%5Bdis
ableGlassPrefetch%5D=true&options%5Bcollections%5D%5BcanvasExtension%5D%5Bid%5
D=com.ibm.bi.dashboard.canvasExtension&options%5Bcollections%5D%5BfeatureExten
sion%5D%5Bid%5D=com.ibm.bi.dashboard.core-
features&options%5Bcollections%5D%5Bbuttons%5D%5Bid%5D=com.ibm.bi.dashboard.bu
ttons&options%5Bcollections%5D%5Bwidget%5D%5Bid%5D=com.ibm.bi.dashboard.widget
s&options%5Bcollections%5D%5BcontentFeatureExtension%5D%5Bid%5D=com.ibm.bi.das
```

```
hboard.content-
features&options%5Bcollections%5D%5BsaveServices%5D%5Bid%5D=com.ibm.bi.dashboa
rd.saveServices&options%5Bcollections%5D%5Btemplates%5D%5Bid%5D=com.ibm.bi.das
hboard.templates&options%5Bcollections%5D%5BvisualizationExtension%5D%5Bid%5D=
com.ibm.bi.dashboard.visualizationExtensionCA&options%5Bcollections%5D%5Bboard
Model%5D%5Bid%5D=com.ibm.bi.dashboard.boardModelExtension&options%5Bcollection
s%5D%5BcontentTypes%5D%5Bid%5D=com.ibm.bi.dashboard.contentTypes&options%5Bcol
lections%5D%5BserviceExtension%5D%5Bid%5D=com.ibm.bi.dashboard.serviceExtensio
n&options%5Bcollections%5D%5BlayoutExtension%5D%5Bid%5D=com.ibm.bi.dashboard.l
ayoutExtension&options%5Bcollections%5D%5BcolorSetExtensions%5D%5Bid%5D=com.ib
m.bi.dashboard.colorSetExtensions&options%5Bconfig%5D%5Bproduct%5D=CA&options%
5Bconfig%5D%5BeditPropertiesLabel%5D=true&options%5Bconfig%5D%5BenableCustomVi
sualizations%5D=true&options%5Bconfig%5D%5BassetTags%5D%5B%5D=dashboard&option
s%5Bconfig%5D%5BfilterDock%5D=true&options%5Bconfig%5D%5BshowMembers%5D=true&o
ptions%5Bconfig%5D%5Bupgrades%5D=dashboard-
core%2Fjs%2Fdashboard%2Fupgrades&options%5Bconfig%5D%5BassetType%5D=exploratio
n&options%5Bconfig%5D%5BgeoService%5D=CA&options%5Bconfig%5D%5BsmartTitle%5D=t
rue&options%5Bconfig%5D%5BnavigationGroupAction%5D=true&options%5Bconfig%5D%5B
enableDataQuality%5D=false&options%5Bconfig%5D%5BmemberCalculation%5D=false&is
AuthoringMode=true&boardId=i63375A7433EA480D9B0CE60137319FAC">
Dashboard</a></li>
                <li><a
href="https://us1.ca.analytics.ibm.com/bi/?perspective=story&id=i1E737A5C02564
F819B53DEEB76C8C97C&options%5BdisableGlassPrefetch%5D=true&options%5Bcollectio
ns%5D%5BcanvasExtension%5D%5Bid%5D=com.ibm.bi.dashboard.canvasExtension&option
s%5Bcollections%5D%5BfeatureExtension%5D%5Bid%5D=com.ibm.bi.dashboard.core-
features&options%5Bcollections%5D%5Bbuttons%5D%5Bid%5D=com.ibm.bi.dashboard.bu
ttons&options%5Bcollections%5D%5Bwidget%5D%5Bid%5D=com.ibm.bi.dashboard.widget
s&options%5Bcollections%5D%5BcontentFeatureExtension%5D%5Bid%5D=com.ibm.bi.das
hboard.content-
features&options%5Bcollections%5D%5BsaveServices%5D%5Bid%5D=com.ibm.bi.dashboa
rd.saveServices&options%5Bcollections%5D%5Btemplates%5D%5Bid%5D=com.ibm.bi.das
hboard.templates&options%5Bcollections%5D%5BvisualizationExtension%5D%5Bid%5D=
com.ibm.bi.dashboard.visualizationExtensionCA&options%5Bcollections%5D%5Bboard
Model%5D%5Bid%5D=com.ibm.bi.dashboard.boardModelExtension&options%5Bcollection
s%5D%5BcontentTypes%5D%5Bid%5D=com.ibm.bi.dashboard.contentTypes&options%5Bcol
lections%5D%5BserviceExtension%5D%5Bid%5D=com.ibm.bi.dashboard.serviceExtensio
n&options%5Bcollections%5D%5BlayoutExtension%5D%5Bid%5D=com.ibm.bi.dashboard.l
ayoutExtension&options%5Bcollections%5D%5BcolorSetExtensions%5D%5Bid%5D=com.ib
m.bi.dashboard.colorSetExtensions&options%5Bconfig%5D%5BliveWidgetExtras%5D%5B
%5D=reveal&options%5Bconfig%5D%5Bproduct%5D=CA&options%5Bconfig%5D%5BeditPrope
rtiesLabel%5D=true&options%5Bconfig%5D%5BenableCustomVisualizations%5D=true&op
tions%5Bconfig%5D%5BassetTags%5D%5B%5D=story&options%5Bconfig%5D%5BfilterDock%
5D=true&options%5Bconfig%5D%5BshowMembers%5D=true&options%5Bconfig%5D%5Bupgrad
es%5D=dashboard-
core%2Fjs%2Fdashboard%2Fupgrades&options%5Bconfig%5D%5BassetType%5D=exploratio
n&options%5Bconfig%5D%5BgeoService%5D=CA&options%5Bconfig%5D%5BsmartTitle%5D=t
rue&options%5Bconfig%5D%5BnavigationGroupAction%5D=true&options%5Bconfig%5D%5B
```

```
enableDataQuality%5D=false&options%5Bconfig%5D%5BmemberCalculation%5D=false&is
AuthoringMode=true&boardId=i1E737A5C02564F819B53DEEB76C8C97C&objRef=i1E737A5C0
2564F819B53DEEB76C8C97C&sceneId="> Story</a></li>
                <li><a
href="https://us3.ca.analytics.ibm.com/bi/?pathRef=.my_folders%2FAnalytics%2Bf
or%2BHosptical%2BHealth-
care%2Bdata%2FHospital%2BData%2BReport&action=run&format=HTML&prompt=false">Re
port</a></li>
                <li>
                    <a href="#"><i class="fa fa-facebook"></i></a>
                    <a href="#"><i class="fa fa-twitter"></i></a>
                    <a href="#"><i class="fa fa-instagram"></i></a>

                </li>
            </ul>
            <div class="menu">s
                <label for="chk1">s
                    <i class="fa fa-bars"></i>
                </label>
            </div>
    </header>
</body>
</html>
```

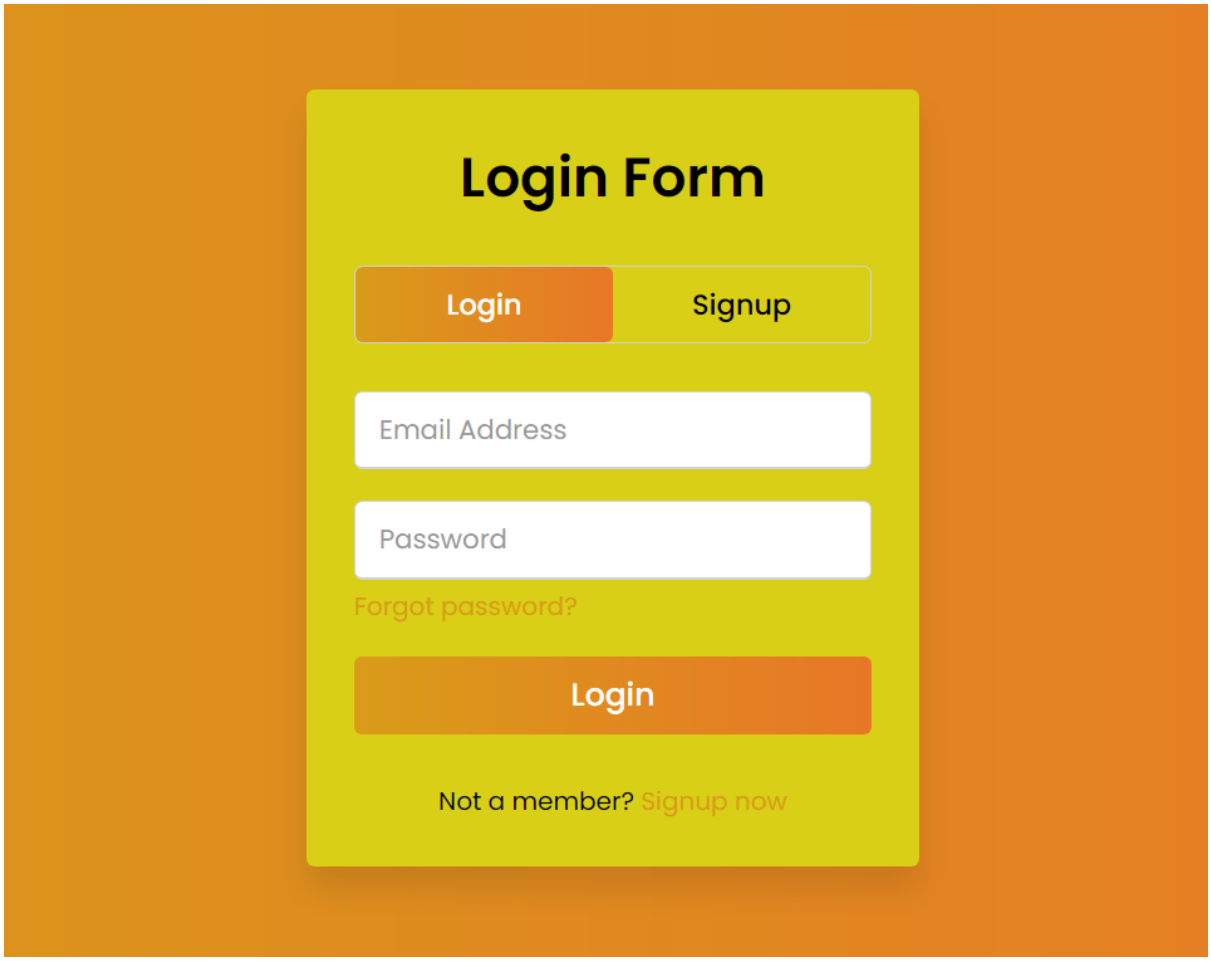
```
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: Arial;
}
body{
    background: url(bg.jpg);
    background-size: cover;
    height: 100vh;
    background-position: center;
}
header{
    width:100%;
    height: 100px;
    display: flex;
    justify-content: space-between;
    align-items: center;
    position: fixed;
    z-index: 99;
    box-shadow: 0 0 10px #000;
    background: rgba(0,0,0,0.5);
}
#chk1{
```

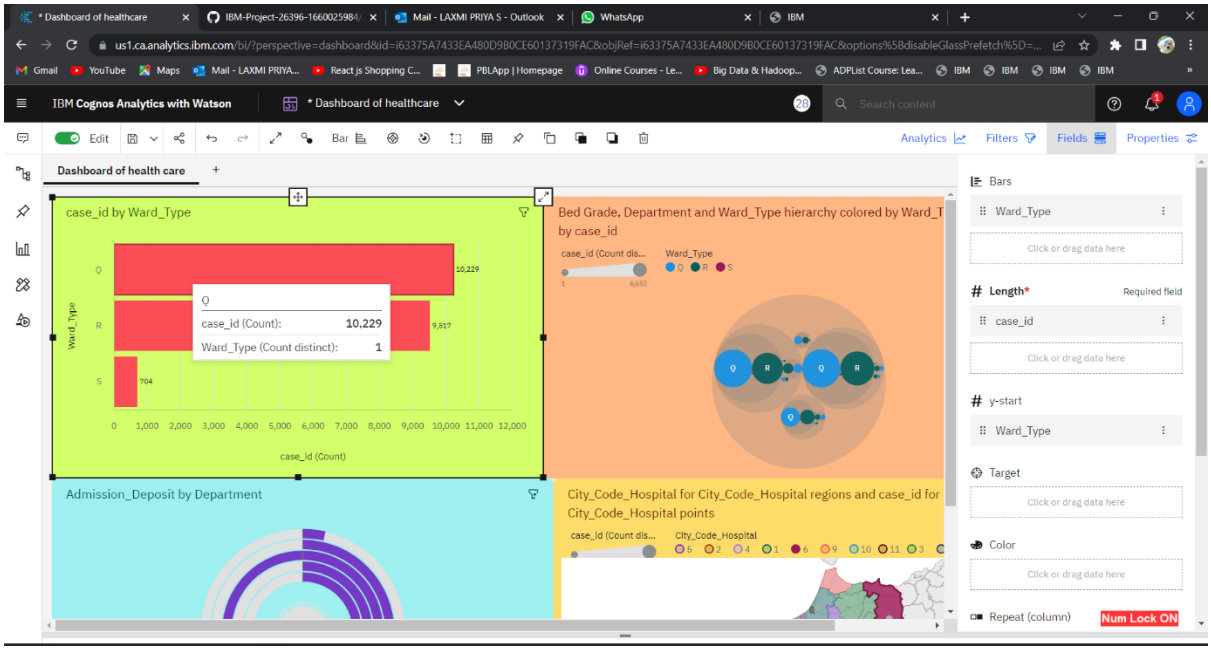
```
    display: none;


}
i{
    color: #fff;
    cursor: pointer;
}
header .logo{
    flex: 1;
    color:#fff;

    margin-left: 50px;
    text-transform: uppercase;
    font-size: 15px;
}
header .search-box{
    flex: 1;
    position: relative;
}
.search-box input{
    width:100%;
    height: 40px;
    border: none;
    outline: none;
    background:#f2f2f2;
    border-radius: 30px;
    color:gray;
    font-size: 16px;
    padding-left: 5px;
    padding-right: 40px;
    text-align: center;

}

.search-box button{
    cursor: pointer;
    width:40px;
    height: 40px;
    border-radius: 30px;
    border:none;
    position: absolute;
    top:0;
    right: 0;
    transform: scale(0.9);
    background: green;
    color: #fff;
}
```

```css
header ul {
    flex:2;
    display: flex;
    justify-content: space-evenly;
}
header ul li{
    list-style: none;
}
header ul li a{
    text-decoration: none;
    color:#fff;
    font-weight: 600;
    text-transform: uppercase;
    padding: 10px 15px;
}
header ul li a:hover{
    border-bottom: 2px solid cadetblue;
}
header .menu{
    font-size: 2.5em;
    display: none;
}
@media(max-width:1000px){
    .search-box button{
        position: absolute;
    }
    header ul{
        position: fixed;
        top:100px;
        right: -100%;
        background: rgba(0,0,0,0.5);
        height: calc(100vh - 100px);
        width:50%;
        flex-direction: column;
        align-items: center;
        transition: right 0.5s linear;
    }

    header .menu{
        display: block;
        width:100px;
        text-align: center;
    }
    #chk1:checked ~ ul{
        right: 0;

    }
```

```
}
```


Dashboard Login
Awesome CSS Responsive Navig
File | G:/Desktop/College/Analysis%20for%20Hospital%20Health%20care/Project%20Development%20Phase/Sprint%204/dashboard.html
Gmail
YouTube
Maps
Mail - LAXMI PRIYA...
React js Shopping C...
PBLApp | Homepage
Online Courses - Le...
Big Data & Hadoop...
ADPList Course: Lea...
IBM
IBM
IBM
IBM
PROMISE HOSPITAL
Search
HOME
DASHBOARD
STORY
REPORT
Num Lock ON


Login Form
Login
Signup
Email Address
Password
Forgot password?
Login
Not a member? Signup now



Technology Stack:

- ✓ Kaggle API
- ✓ IBM Cloud
- ✓ IBM DB2
- ✓ IBM cognos analytics
- ✓ HTML,CSS,Javascript,Bootstrap

Github link: https://github.com/IBM-EPBL/IBM-Project-26396-1660025984

Demo Link:

https://drive.google.com/file/d/1Bo6pBsiO_-s3v7nJ5MuKgCEEMgbSY6YD/view?usp=share_link