

Gujarat Technological University



Government Engineering College, Gandhinagar

A Report On

“Appointment Web Portal For Jan Seva Kendra”

Under Subject of

Analysis and Design of Algorithms

(3150703)

Semester: 5th

Submitted by:

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Abstraction:

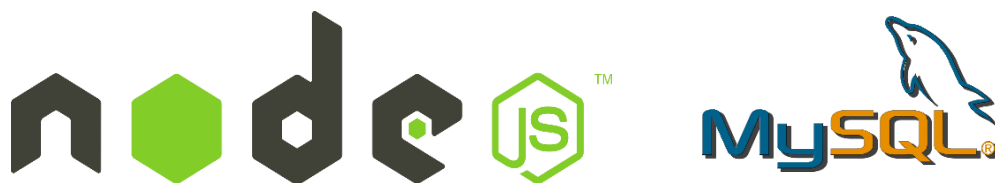
The idea behind this portal is to make some legal procedures easy in this hectic lifestyle. People are very busy these days and it is hard to manage everything when they have to go to the specific government authorized location and after reaching there, they realize that work can not be done on that day because of some reasons so in our portal user can book appointment for their specific work they have to go to only that day for the work. It can save lot of time and less crowd at janseva kendra location.

Technologies use for build our app:

1. Frontend: pug template engine(v 3.0.2) , css



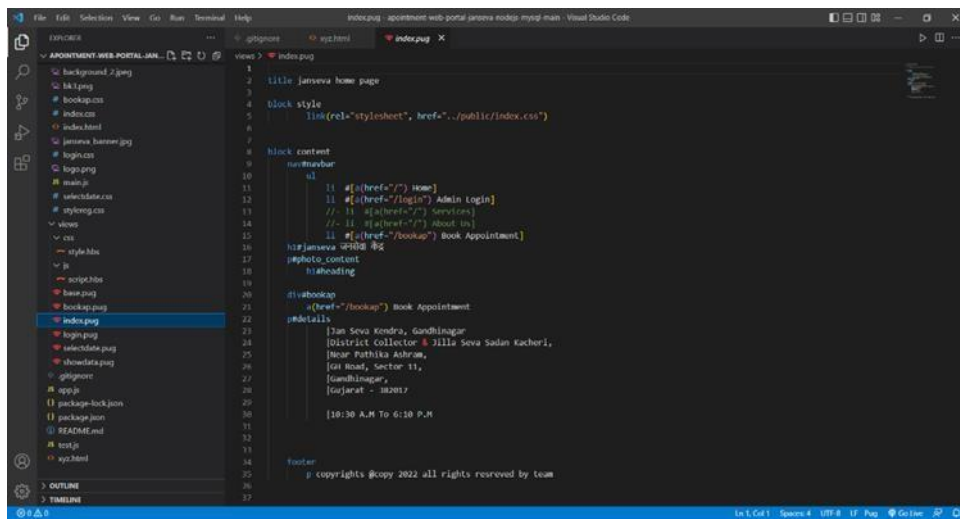
2. Backend: nodejs , express(v 4.18.8) , mysql(v 2.18.1)



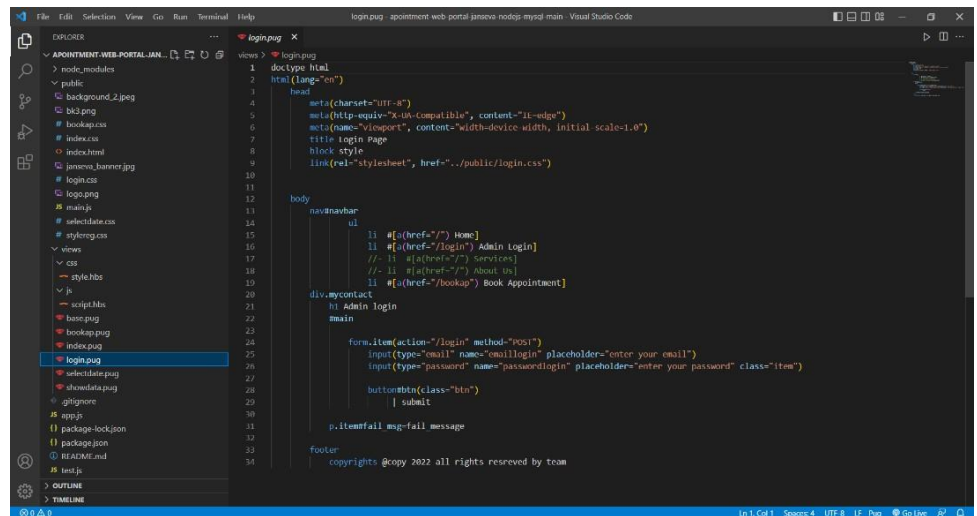
3. Framework: expressjs(v 4.18.1)



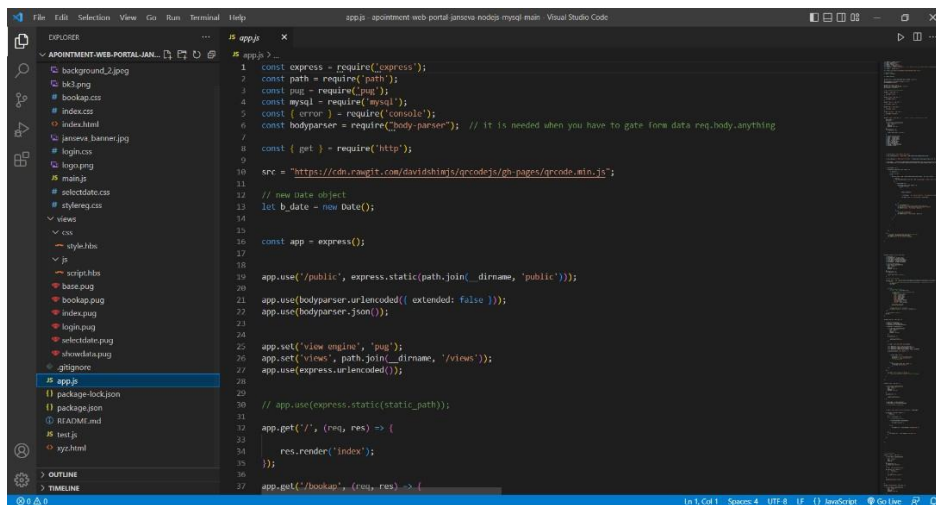
Snapshots of Codes:



```
1 title jansava home page
2
3 block style
4   link(rel="stylesheet", href="../public/index.css")
5
6 block content
7   navbar
8     ul
9       li #a(href="/") Home
10      li #a(href="/login") Admin login
11      // li #a(href="/") services
12      // li #a(href="/") About Us
13      li #a(href="/bookap") Book Appointment
14
15 h1 jansava 0100 0g
16
17 photo content
18   h1 heading
19
20 //bookap
21 a(href="/bookap") Book Appointment
22
23 p details
24   [Jan Seva Kendra, Gandhinagar,
25     District Collector & Jilla Seva Sadan Kacheri,
26     Near Pathika Ashram,
27     Gat Road, Sector 11,
28     Gandhinagar,
29     Gujarat - 382017]
30
31 [10:30 A.M To 6:10 P.M]
32
33 footer
34   p copyrights @copy 2022 all rights reserved by team
```



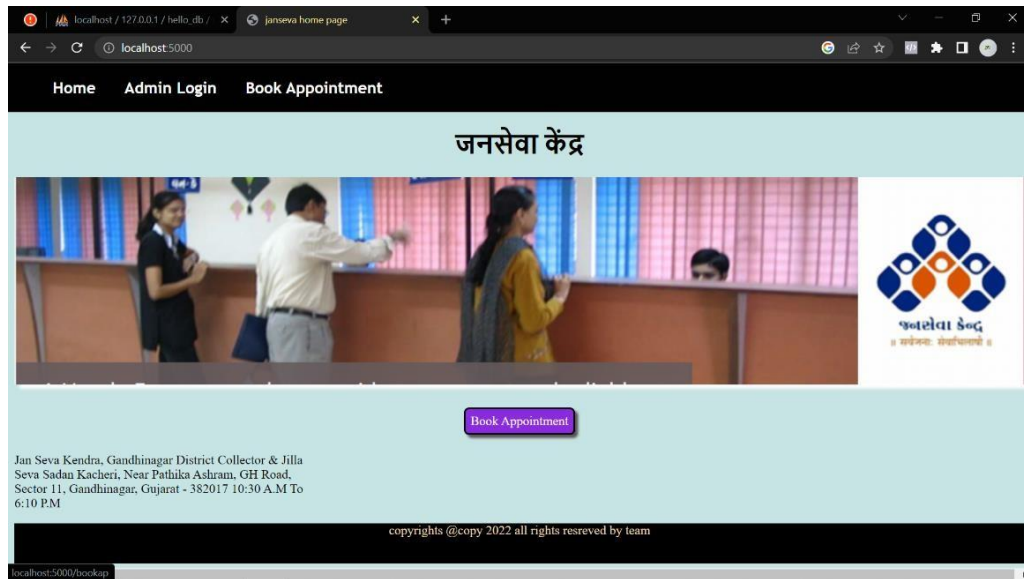
```
1 docType html
2 html(lang="en")
3
4 head
5   meta(charset="UTF-8")
6   meta(http-equiv="X-UA-Compatible", content="IE=edge")
7   meta(name="viewport", content="width=device-width, initial-scale=1.0")
8   title login Page
9   block style
10     link(rel="stylesheet", href="../public/login.css")
11
12 body
13   navbar
14     ul
15       li #a(href="/") Home
16       li #a(href="/login") Admin login
17       // li #a(href="/") services
18       // li #a(href="/") About Us
19       li #a(href="/bookap") Book Appointment
20
21   div.mycontact
22     h1 Admin login
23     main
24       form.item(action="/login" method="POST")
25         input(type="email" name="emaillogin" placeholder="enter your email")
26         input(type="password" name="passwordlogin" placeholder="enter your password" class="item")
27         button.btn(class="btn")
28           | submit
29
30     p.itemfail msg= fail message
31
32 footer
33   copyrights @copy 2022 all rights reserved by team
```



```
1 const express = require('express');
2 const path = require('path');
3 const pug = require('pug');
4 const mysql = require('mysql');
5 const { error } = require('console');
6 const bodyParser = require('body-parser'); // It is needed when you have to gate form data req.body anything
7
8 const { get } = require('http');
9
10 src = "https://cdn.rainbit.com/davidohajis/gcodejs/gb-pages/gcode.min.js";
11
12 // new date object
13 let b_date = new Date();
14
15 const app = express();
16
17
18 app.use('/public', express.static(path.join(__dirname, 'public')));
19
20 app.use(bodyParser.urlencoded({ extended: false }));
21 app.use(bodyParser.json());
22
23
24 app.set('view engine', 'pug');
25 app.set('views', path.join(__dirname, 'views'));
26 app.use(express.urlencoded());
27
28 // app.use(express.static(path));
29
30 app.get('/', (req, res) => {
31   res.render('index');
32 });
33
34 app.get('/bookap', (req, res) => {
```

Website Interface:

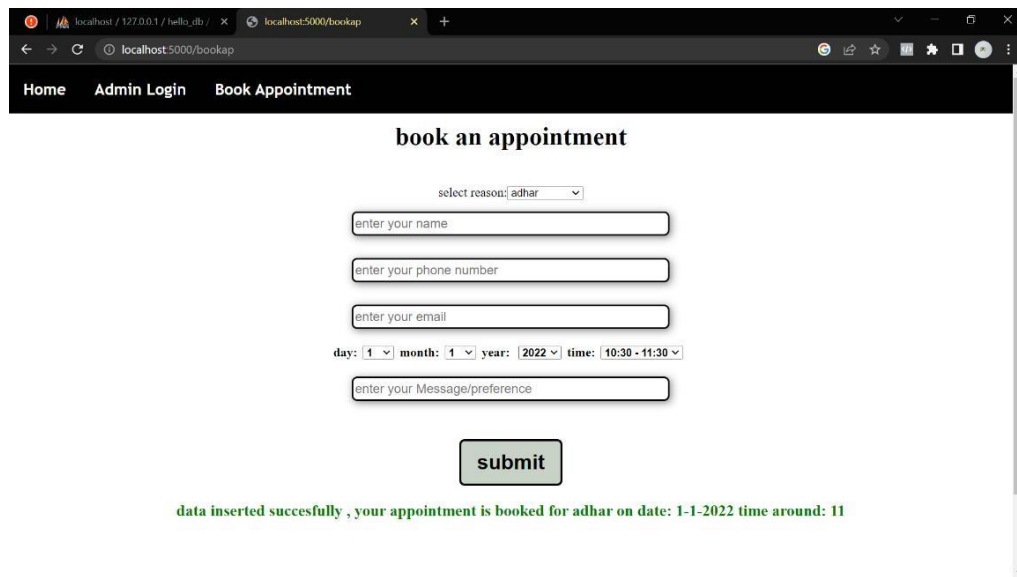
Home page: home page shows Book Appointment button to book an appointment for any legal services . In navigation bar admin login button is available for admins of janseva.



Book Appointment : Here user can book appointment by submitting their reason for Appointment name phone number email , timeslot and message

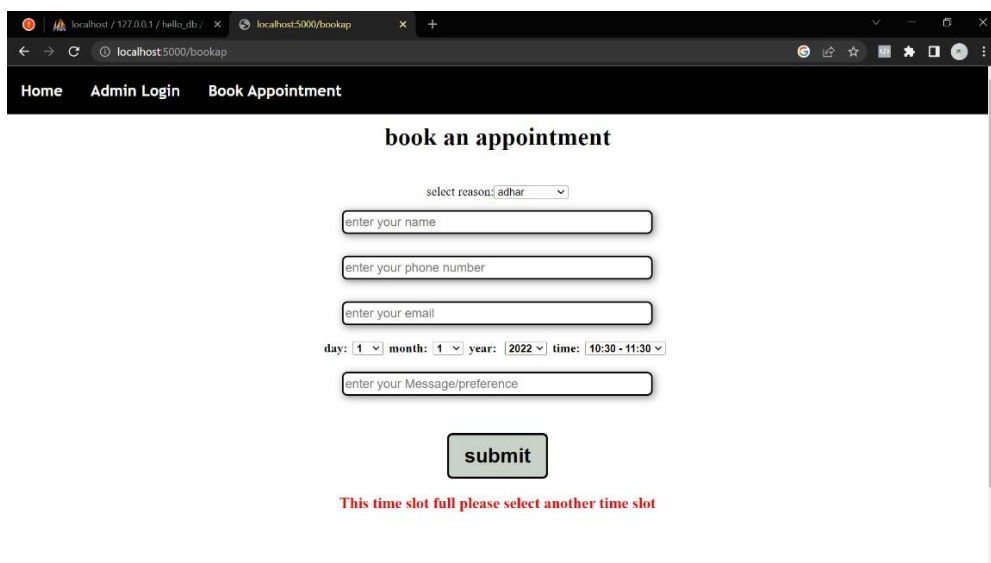
A screenshot of the 'book an appointment' form on the website. The browser's address bar shows 'localhost:5000/bookap'. The navigation bar at the top has three links: 'Home', 'Admin Login', and 'Book Appointment'. The main content area has a header with the text 'book an appointment'. Below this is a form with several input fields: a dropdown menu for 'select reason' with 'adhar' selected, a text input for 'patel jay', a text input for '9904150096', a text input for 'pateljay12@gmail.com', a row of dropdown menus for 'day' (1), 'month' (1), 'year' (2022), and 'time' (10:30 - 11:30), and a text input for 'change name in adhar'. A black 'submit' button is located at the bottom of the form.

If selected time slot is available then data inserted successfully + their reason date timeslot will display on screen.



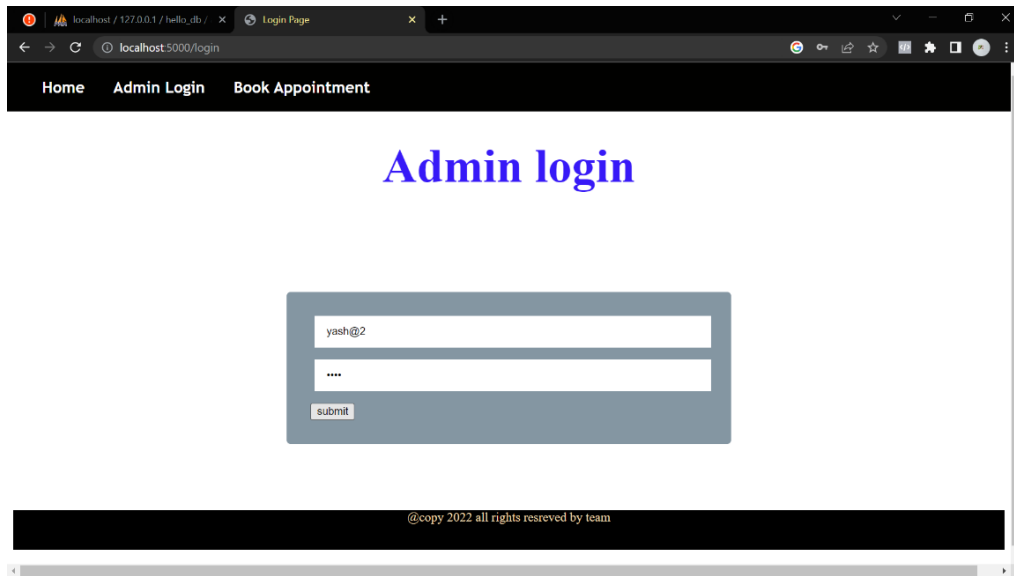
The screenshot shows a web browser window with two tabs: 'localhost / 127.0.0.1 / hello_db /' and 'localhost:5000/bookap'. The address bar shows 'localhost:5000/bookap'. The page has a dark navigation bar with 'Home', 'Admin Login', and 'Book Appointment' links. The main heading is 'book an appointment'. Below it, there is a form with the following fields: a dropdown menu for 'select reason' with 'adhar' selected, text input fields for 'enter your name', 'enter your phone number', and 'enter your email', date and time pickers for 'day: 1', 'month: 1', 'year: 2022', and 'time: 10:30 - 11:30', and a text input field for 'enter your Message/preference'. A green 'submit' button is at the bottom of the form. Below the button, a green message states: 'data inserted succesfully , your appointment is booked for adhar on date: 1-1-2022 time around: 11'.

Each timeslot have 5 appointment maximum if 6th user book that slot error will be Shown.

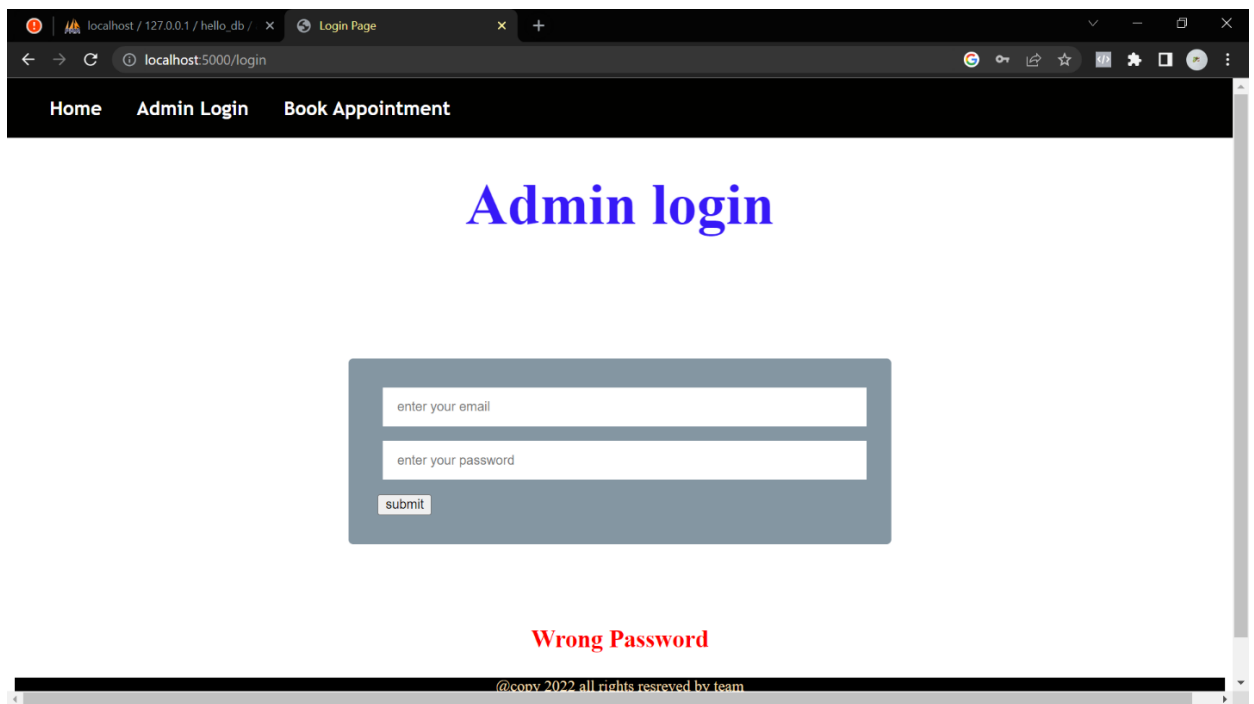


The screenshot shows the same web browser window and form as the previous image. However, the 'submit' button is now greyed out. Below the button, a red error message states: 'This time slot full please select another time slot'.

Admin login page:



If password and email is not matching in database error will be shown:



If login credential matching in database then select timeslot is shown

localhost / 127.0.0.1 / hello_db / admin

localhost:5000/login

HomeAdmin LoginBook Appointment

select timeslot to see appointment

select reason:
adhar

day:
1

month:
1

year:
2022

time:
10:30 - 11:30

submit

Appointments for selected reason and timeslot will be shown in table form to admin:

localhost / 127.0.0.1 / hello_db / admin

localhost:5000/showdata

reason	date	time	name	email	phone	message	Bookdate
adhar	1-1-2022	11	Chavda Yashvantsinh	yashvantsinhchavda2461@gmail.com	2147483647	change name in adhar card	Tue Nov 22 2022 14:1
adhar	1-1-2022	11	patel jay	pateljay12@gmail.com	2147483647	change name in adhar	Tue Nov 22 2022 22:0
adhar	1-1-2022	11	dabhi kunj	kunj@gmail.com	2147483647	update phone number in adhar card	Tue Nov 22 2022 22:0
adhar	1-1-2022	11	darshan	darshan@gmail.com	2147483647	update address in adhar card	Tue Nov 22 2022 22:0
adhar	1-1-2022	11	tejas	tejas@gmail.com	2147483647	5th entry	Tue Nov 22 2022 22:0

Guidelines to use our Homecare Company App:

Step 1: First home page will be shown to user .

Step 2: click on the book appointment button to book appointment.

Step 3: After step 2 user will be navigated to the page where user can fill their details about their appointment and select dates.

Step 4: Admins At janseva kendra can see the detail of the booked appointment and verify it when user comes at janseva kendra.

Step 5: Make your legal procedures easy and less crowd at place with this web portal at your convenience.

Reference Link:

<https://github.com/CHAVDAYASHVANTSINH612/apointment-web-portal-janseva-nodejs-mysql>