

# **Independent University, Bangladesh**

# **Eventbook-Online Appointment** scheduling Software

An Undergraduate Internship/Project on Topic By

# Md.Rabid Hasan Apu

ID:1521006

Section: 05

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Supervisor: Md. Abu Sayed

Supervisor's Designation

Department of Computer Science & Engineering
Independent University, Bangladesh

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Department of Computer Science & Engineering

Independent University, Bangladesh

Attestation

This is to certify that report titled "Online booking scheduling System-Eventbook" is completed

by me Rabid Hasan Apu (1521006), submitted in fulfillment of the requirement for the Degree

of Computer Science and Engineering from Independent University, Bangladesh (IUB).I express

my deep gratefulness to my supervisor Md. Abu Sayed, Junior Lecturer, Department of

Computer Science and Engineering, Independent University, Bangladesh, for his invaluable

instructions, continuous guidance, constructive criticisms and thoughtful advice during pursuing

this internship and preparation of this report.

Signature

Name: Rabid Hasan Apu

Date: 26/01/2021

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Acknowledgement

Above all else, I might want to express gratitude toward Almighty Allah for enabling me the

continuance and to buckle down. It is my benefit that I had the chance to do an entry level

position in The Debuggers Studio. I might want to thank all the individuals on whom I do my

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collaborating to assist me with completing this temporary job report.

Last yet not the least, I might want to thank my folks and other relatives for their endless help

given to me.

Md. Rabid Hasan Apu

Date: 26/01/2021

Dhaka, Bangladesh

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**Letter of Transmittal** 

22 January, 2021

Md. Abu Sayed

Internship Supervisor & Junior Lecturer

Department of Computer Science and Engineering

School of Engineering, Technology and Sciences

Independent University, Bangladesh

Subject: Internship report on "Online booking scheduling System-Eventbook"

Dear Sir,

It is my pleasure to submit to you my internship report on "Online booking scheduling System-Eventbook". I had to face some difficulties to finish this report. The purpose of this report was to fulfill the requirements of the Bachelor degree of Computer Science and Engineering and simple implementation of what i learnt in my whole university life. I tried my best to make this report successful.

I would like to express my sincere appreciation and thanks for your help while doing the Internship. Thank you for your cooperation.

Yours sincerely,

Rabid Hasan Apu

ID: 1521006

Department of Computer Science and Engineering

Independent University, Bangladesh

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# **Evaluation Committee**

Signature
Name
Supervisor
Signature
Name
Internal Examiner
Signature
Name
External Examiner
Signature
Name
Convener

# **Abstract**

This theory report depicts an Event Creator And booking Management System called Eventbook. A multiple User use in this system. Another way this system called software Scheduling system. As a professional event creator like Doctor, teacher, Lowers any time create his/her event in this system. The is a special part of our system is event crater create his event and share his event in any public group or private group. And the customer can fill up reservation from in any public website. After fillup reservation from the event creator can see who booked him/her. he/she also seen customer email, phone number. Event crater can personal text send in the customer if he/she want. if event creator want delete customer reservation from in any time.

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# **Chapter 1**

# Introduction

#### 1.1 Overview/Background of the Work

We are living in a world where each and every little thing is being digitized. Web applications have made our lives too easy. Nowadays they are being used in all the major sectors like businesses, educational institutions, and so on.

Event booking is the application of project management to the Creation and Development of large scale events such as festivals, Wedding ceremonies, formal parties. People need to find or book online events to see the packages and timing slots online. They will be able to get all this information through this system. To get success in the event management business, users should have strong network contacts of service providers. These contacts are essentially providers of specific services who can be mobilized quickly to participate in any given event. To make an event successful, the event creator creates event different service providers like appointment, meeting, Canteen services, stage construction, and so on.

#### Background

So, considering the event booking system is a client base system. The event management system is used to manage all the activities related to the event. In Any event, many service providers work simultaneously and it is very hard to manage these providers. It is also important for the event organizer that he/she has all the contact details of these personal details providers so that he/she can contact them at any time to plan an event at a given time. To manage all these activities we have developed this software. To get success in the event management business, users should have strong network contacts of service providers. These contacts are essentially providers of specific services who can be mobilized quickly to participate in any given event. To make an event successful, the event manager needs different service providers like Sound systems services, Lighting providers, Canteen services, stage construction, and so on. In the present system, Event Company has to do all management work manually. They keep all payment information on paper. There Is no system to check the past expenses of any event. To do this they have to check the payment register and this task is very time consuming and tiresome. Keeping this entire problem in mind we have developed this system. This system helps the event management company to manage their paperwork online and they can also retrieve reports of the last event they have completed.

#### 1.2 Objectives

This system is a SAAS Platform. A multiple users use this system. This System is very efficient to store, maintain and retrieve data from its database and can be used for further analysis. This system provides the latest notification to its event creator and System users. Time saving activity. The data in a centralized way which is available to all event creators and event users. Easy to manage historical data in the database. Participants can register for any happening event from anywhere. Event creators can keep records of participants.

#### 1.3 Scopes

In this system the following features are included for multiple users:

- Register of eventbook System Software (All Multiple Event Creators)
- Event Creator can create event
- Event Creator can View his/her event
- Event Creator can edit his/her event any time
- The Event Creator can remove his/her event if they want.
- Event creators can share his/her event on any third party website.
- See the reservation from in URL link (User)
- Fill up the reservation form (User)
- To see view booking system event creator can see who booked him/her (Event Creator)

# Chapter 2

### **Literature Review**

The literature review emphasizes the ideas and theories used to make your project come to live. Generally, it consists of many surveys and research that needs to take place. The breakdown of our work in this section is to explore around and see for systems that have been made similar to our project. We will go through published journal articles, books and also the company website to gain our knowledge.

The process of this phase is the study of similar systems around the world and finding how our system can best match the market.

### **Current Global Scenario of Event Booking Management System**

- 1. Calendly: This System as a SAAS platform. This system Send to custom emails with information that you determine your invitees need, when they need. Create and customize automations for email and text reminders and notifications. Apply automations across multiple event types or stack multiple automations on a single event. [1]
- **2. Picktime:**Picktime is a free webased appointment scheduling software where you can manage your appointments, services and clients. In the age of millennials, appointment scheduling through phone calls and messages is mossy. In this software the customers can book appointments online with our appointment booking system. [2]
- 3. **Partners fresha:** Easy online scheduling and marketing tools for any business. Booking appointments, made painless. Appointment calendar, payments & reminders. Manage Salon, Spa, Gym and Fitness business on the go. Partners Fresha is the no.1 beauty and wellness appointment booking marketplace.[3]

### **Current Scenario of Event Booking Management System in Bangladesh**

- 1. amarvasa.com: This is a bangladesh hospital doctor reservation system. In this software the doctor can create his event with personal details. When he is free that doctor available date and time accordingly the doctor can create his event. Doctor can set his location in this software.[4]
- **2. capterra.com:** This is a bangladesh hotel booking system. This software for the hotel manager. The hotel manager can create his description. He can also add hotel location in this system. In this system he can create which room was available in his hotel. **[5]**

#### **Summery:**

My project is fairly consistent with these websites. But there are more features in my project compared to that website. (code for Embed, to book any event at the same time, 1 hour before the event start system will send reminder notification, generate QR Code, Custom Date)

### 2.1 Relationship with Undergraduate Studies

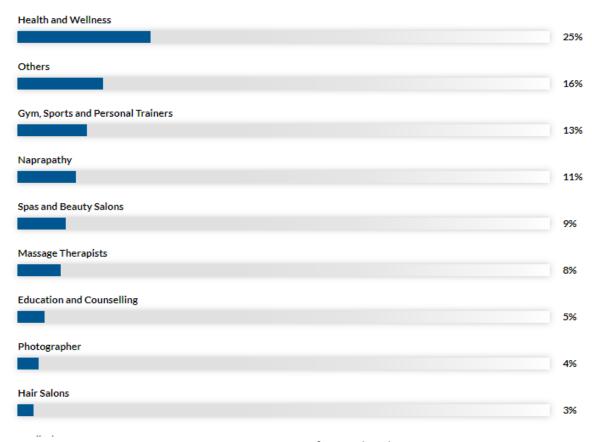
Relationship with Undergraduate Studies are given below-

- 1. Web Development: Working with the frontend design this course was in help. From this course I am learning basic HTML,CSS,PHP,JavaScript. Even though I have taught raw PHP but yet it was not difficult to use a framework because of the knowledge that I have gained from this course. This course was a huge help throughout the project as I have also learned the use of colors and features so that the User Interface can be created attractively.
- 2. Database: A huge part of the project is related to the backend. This course has given me overall knowledge with SQL. Starting from con-necting to PhpMyAdmin to writing queries, this course has given me the Knowledge with the database which helped me throughout the project. This course made it easier for me to develop the project with all the important queries like joining two tables using the foreign key, providing the primary key to a table.
- 3. System Analysis: This course has helped to develop the overall structure of the project before even starting to work with codes. All the required analyses that were necessary to be considered such as requirement analysis, flow diagrams, UML, Rich picture, Functional and Nonfunctional requirement, methodology, WBS, Gantt Chart etc. I taught in this course. Not only for the project but also the report, this course was of great help.

#### 2.2 Related works

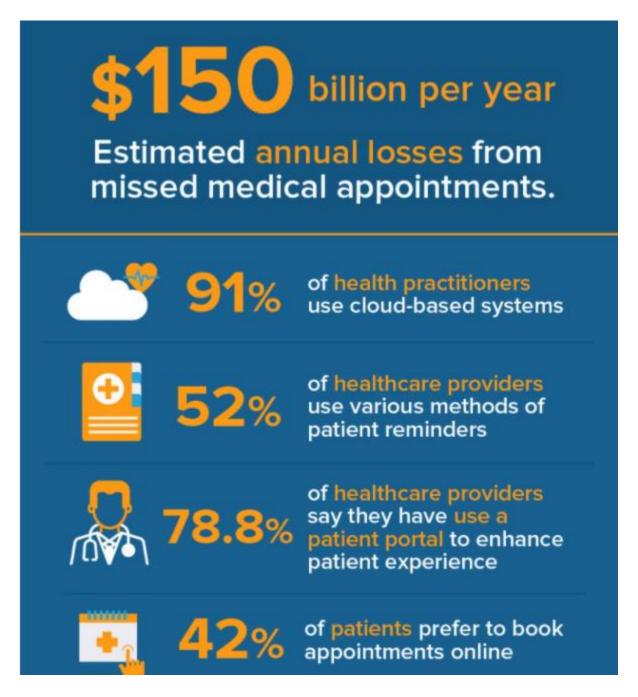
#### **Scheduling Software Market Statistics**

According to a recent online booking market report, the global online booking software market continues to expand. The estimated value of the global appointment scheduling software market in 2024 is \$360 million. The estimated compound annual growth rate of the appointment scheduling software market is 15.1% [6]. The US share of the total market 40%. Lack of technological awareness is seen to hinder the sector's growth [7]. The price range of appointment software is 0 to \$150 per month. [8] The User of this software is-



2.2.1 Figure: User of Eventbook System

Health practitioners used cloud-based systems is 9%[9].Healthcare provides use of various methods of patient reminders is 52%[10].Patient prefer to book appointments online is 42%[11].



2.2.2 Figure: Healthcare system

# **Chapter 3**

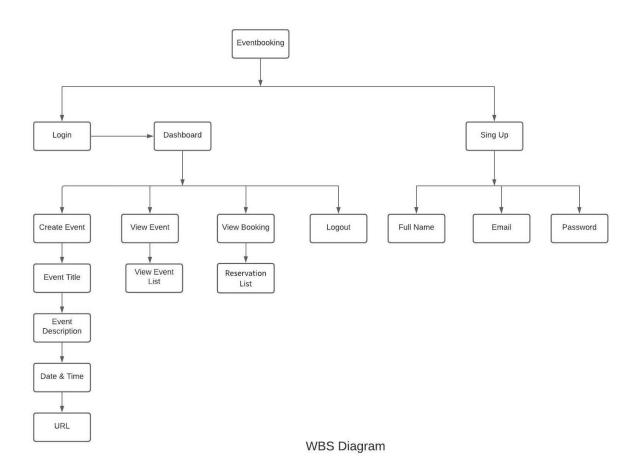
# **Project Management & Financing**

# **Planning**

Planning is the first and one significant stage of the life cycle of software development (SDLC) for every system development project. Software development plan for a particular project is determined at this stage. So we made a plan all about this project right from the very beginning. Requirements, define the project scope. perform feasibility analysis, perform high-level estimates, attempt to plan the Business Requirement Document / Job Scope. The strategy begins with collecting the specifications. it is feasible or not to research the feasibility which will help to figure out this project. In addition, it will prepare a Business Criteria Document for this project.

### 3.1 Work Breakdown Structure (WBS)

A work breakdown structure is a guideline, a visual andover view of the project. We can create by breaking down the deliverables and these can be broken down into subtasks as many times as needed to reach the goal of the project.



3.1 Figure: WBS Diagram

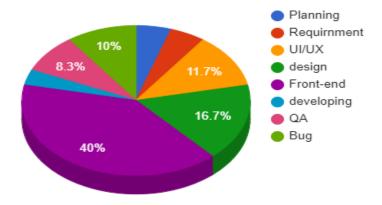
# 3.2 Process/Activity wise Time Distribution

Path Method: Critical Path Method (CPM) was a method used in project planning, for project scheduling for the on-time completion of this project. It helps in the determination of the earliest time by which the whole project can be completed. There are two main concepts in this method namely critical task. Critical task is the task which can't be delayed otherwise the completion of the project will be delayed. It must be completed in-time before starting the other dependent tasks.

#### 3.2 Table:Process Activity

Activity	Duration (Day)	Precedents
Project Planning	3	/
Requirement Analysis	3	/
UI/UX Design	7	/
Frontant end development	10	/
Backend development	24	/
QA	2	/
Bug Fixing	5	/
Final Texting	6	/

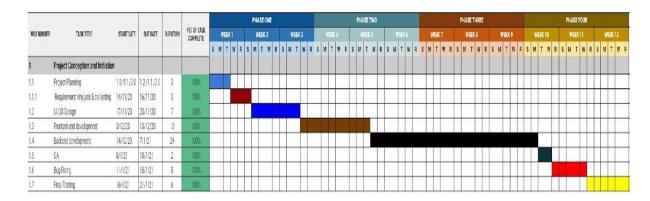
#### Process/Activity wise Time Distribution



**3.2**Figure:Activity wise Time Distribution

### 3.3 Gantt Chart

A Gantt Chart is a useful element of any project plan, event plan or funding submission. Instructions on how to create are provided.



3.3Figure: Eventbook Gantt Chart

### 3.4 Process/Activity wise Resource Allocation

Generally my project is divided into many divisions and allocated to the designers, developers and testers. But in my case as I have worked totally individually, that is why I could not allocate my works to others. My project manager helped me to plan, design and develop the project but I alone did the whole thing. Besides, we used computers, laptops, browsers and videos to build up our project.

# 3.5 Estimated Costing

For developing a project there are some costs needed. Sometimes it is less and sometimes it is huge. Everything related to the project and needed for the project is included in this costing section. In our project there is no hardware cost as it is totally a software project.

3.5 Table: Estmiated Costing

Requirements	Amount (BDT)
Project Developer	80,000
Frontend Developer	40,000
Backend Developer	50,000
Texting	20,000
Other cost	30,000
Total	3,00000

# **Chapter 4**

# **Methodology**

Software development methodology is a procedure or arrangement of procedures utilized in programming advancement. Once more, very wide, however that it is things like a design phase, and development phase. It is intended to depict the how of the life cycle of a piece of software.

For this project we have chosen the agile methodology. Sometimes it works in iterative development as well. Agile is a process by which a team can manage a project by breaking it up into several stages and involving constant collaboration with stakeholders and continuous improvement and iteration at every stage. This approach starts with customers portraying how the finished result will be utilized and what issue it will solve. It doesn't fabricate a whole framework on the double, yet rather grows steadily.



4 Figure: Agile methodology

### Reasons for choosing agile methodology

- 1. Faster time to market: Heaps of people that choose to go lithe are pretty tired of multi month delivery cycles that frequently convey an inappropriate item to showcase and our clients simply aren't keen on purchasing. The possibility of two weeks' delivery cycles and quarterly release cadences is quite engaging. Our business sectors and our opposition are simply moving excessively quick. So, we must show signs of improvement at getting working items out the door faster.
- **2.Customer satisfaction:** Building items our clients can utilize satisfies them. Having the option to frequent add new highlights based on their feedback makes them happy as well. As a product client, I don't know there is anything more terrible than putting resources into an item that doesn't work, doesn't do what we need it to do, and not being not able to see any way ahead for improving it. Agile helps us to build good relationships with our customers, one where we are working together to get problems solved.

- **3.Build the right products:** Regardless of whether we are building the specific highlights that our clients are asking for, steady delivery encourages us to assemble them the manner in which our clients will really use them. At the point when we deliver in smaller increments, we have the chance to let our clients see the developing item, react to it, and change it as they go. Agile helps the customer and the team converge on the best possible outcome.
- **4.Early risk reduction:** Agile doesn't regard risk as a different area to be overseen. Agile is risk management. By conveying early and getting feedback, we lessen the danger of building an inappropriate product. By ceaselessly incorporating and fabricating imperfection free programming, we decrease the risk that our stuff wasn't constructed right not long before we have to put it up for sale to the market.
- **5.Better quality:** Agile fixes time, cost, and quality and gives us the tools to change the business and specialized extent of the arrangement. You probably won't get all that you sought after, however you can believe what was delivered.

**6.Efficiency:** People realize that the large forthcoming plans as a rule turn out pointless over the long run. Individuals realize that the individuals in their practical silos aren't working very well together. Lithe holds the guarantee of helping us wipe out the stuff we don't require and get down to the matter of building working software. **[12]** 

# Chapter 5

# **Body of the Project**

#### **5.1 Work Description**

Eventbooking offers an effortless way to create and manage an event in just three steps.A multiple event creator can create a account using their email address. After register event creator need to verify their email address. Then the system goes to directed to event creator dashboard page. Now the event creator can set up and manage event and he/she can see all the related features.Now this page event creator create event his/her event title, Description, location, set his/her available date and time, chose his image. In this system event creator set his/her custom date. And to extend his/her contact details. (Event creator Name, Phone number, email). And the event creator turns on/off sms confirmation notification. All the requirements fill up then the event creator gets a link. In this link he/she can share in any third party website or prevent and password protected. And this link is to generate reservations from. The user(customer) gets this from they need to fill up this form with his/her Full name, Phone Number, Email, Select date and time and submit it. Then the event creator sees the who booked him/her in view booking feature. Event creator can delete his reservation if he/she want. Event creator can update his event any time. Then the admin can view all reservation event creator information. Admin can edit/event creator profile. Admin can view all created event. Admin can Approve all created events. Admin can reject all created events. Admin can update any events information if he/she wants. After the booking the customers email,phone,name will be saved to the dashboard page and data base. Here the event creator can see the customerdatiles in this page. And the event creator can a text to the customer here.(Description,Payment details,reason of chancel event etc). Event creator can send text message customer will get a notification. And the event creator sees notification confirmation in notification dashboard.

#### **Event Creator:**

- Multiple Event creator can register to the system
- After Register event creator need to verify their email address
- Event creator can recover their forget password
- Event creator can add event title, description, event image
- Event creator can create event day wise/for specific date range/
- Event creator can set custom available days
- Event creators exclude particular dates from the event date range.
- Event creators can set event duration 15/30/45/60
- Event creator can set event start time & end time
- Event creator can create public/private/password protected events
- Event creator add additional contact information
- Event can set event location & Waze direction link
- Event creator can turn on/off SMS confirmation for each booking
- System will generate unique event link for created events
- Event creators can share event links with any social media & email.
- Event creators can generate code for Embed event form to any third party website.
- Event creator can view and manage all created his/her events

- Event creator can view All booking information
- Event creator can delete any reservation
- Event creator can add any reservation to google calendar
- Event creators can generate QR Code for events.
- Event creators can edit/update/delete any event any time.
- After the event expires it will automatically disabled.
- Any user submitting the reservation form event creator will get email confirmation with filled up details.
- From confirmation mail event creator can add schedule to google calendar
- Multiple user not able to book any event at the same time
- If any user reserved any particular date & time, that particular day & time will be unavailable for other users.
- 1 hour before event start system will send reminder notification email to event creator

#### User:

- Users can fill the reservation form by entering their full name, email, phone number, date & time.
- User can turn on/off sms confirmation
- Users can share events to any social media like facebook, messenger, whatsapp,linkedin and email.

- For password protected events, users need to enter a valid password to access the reservation form.
- After submit Reservation form User will get confirmation mail &sms
- 1 hour before event start system will send send reminder notification users
- Users need to enter a valid Israel phone number & email to book the events.
- After submit reservation form confirmation popup will appear in user end
- Users can also add reservation details to Google Calendar.

#### Admin:

- Admin can view All registered event creator information
- Admin can edit/removed event creator profile
- Admin can view/Approved/reject all created events
- Admin can update any events information.
- Admin can delete any event

# 5.2 System Analysis

To identify the objectives of a system, system analysis is conducted for the purpose of studying it and its parts. This is a problem solving process that determines how efficiently the system is running to accomplish their purposes. This contains some phases like planning, analysis, design, deployment and maintenance. It is a process of interpreting and collecting facts, finding out the problems and splitting up the system into its components.

### **5.2.1 Six Element Analysis**

**5.2.1 Table: Six Element Analysis** 

Process	Huma n	Non computin g hardware	Computing Hardware	Softwar e	Databas e	Network and Communicatio n
Visit website	All event creator	N/A	Pc,Laptop,Smartphone s and Tabs	All Browsers	N/A	WAN
Register	All event creator	Paper,pen	Pc,Laptop,Smartphone and Tabs	All Browsers	MySql	WAN
Login	All event creator	N/A	Pc,Laptop,Smartphone and Tabs	All Browsers	MySql	WAN
Create event	All event creator	N/A	Pc,Laptop,Smartphone and Tabs	All Browsers	MySql	WAN
Share reservatio n from	All event creator	N/A	Pc,Laptop,Smartphone and Tabs	Any thirdPart y Website	N/A	WNA
Get the link	All User	N/A	Pc,Laptop,Smartphone and Tabs	All Browsers	N/A	WAN

Fill Up reservatio n From	All User	N/A	Pc,Laptop,Smartphone and Tabs	All Browsers	N/A	WAN
View Booking	All event creator	N/A	Pc,Laptop,Smartphone and Tabs	All Browsers	MySql	WAN
Admin Panel	Users Who have access	N/A	Pc,Laptop,Smartphone and Tabs	All Browsers	MySql	WAN
Edit Event	Users Who have access	N/A	Pc,Laptop,Smartphone and Tabs	All Browsers	MySql	WAN
Delete Event	Users Who have access	N/A	Pc,Laptop,Smartphone and Tabs	All Browsers	MySql	WAN

# 5.2.2 Feasibility Analysis

The analysis of a proposed project to determine whether it is feasible and should go ahead is called feasibility analysis. Confirmation of design, plan and strategy makes sense or not is the main priority of this analysis. This can be used to vailade assumptions, constraints, decisions and approaches. There are some main parts of feasibility analysis. They are -

- **1.Technical Feasibility:**In technical feasibility, evaluation of the software, hardware and the other technical requirements of the proposed system are performed. This evaluates the details of how we intend to deliver a product or service to customers. Labor, think materials, transportation, where our business will be located, and the technology that will be necessary to bring all this together. E-Learner has been developed using the current technology. Though PHP, XAMPP server, Mysql Database, HTML, CSS, BOOTSTRAP are existing from the past times, still many applications are being developed with these throughout the world. Moreover, these technologies are very popular in the modern industry and are being used thoroughly.
- **2.Operational Feasibility:**Operational feasibility is a measure how well a proposed system solves the problems and satisfies the system requirements identified during the scope definition and problem analysis phase. It is dependent on human resources available for the project and involves projecting whether the system will be used if it is developed and implemented. Eventbookhas been developed in such a way that it can be conducted very easily. People will accept it without any doubt. It is a well planned system. People of all ages will be benefited from here. It reduces physical and technical hardships. Users do not need to have a lot of technical knowledge to run this system. Every instruction is very clear to the users. We hope this system will be able to fulfill the requirements of the users.
- **3.Economic Feasibility:**In economic feasibility costs and benefits are identified. It determines cash flow and assigns values to costs and benefits. Development costs and production costs are included in economic feasibility. Our system is nothing but a product. If this system can reach the users it will definitely bring benefits. On one hand it will reduce the costs of wasting pens and papers. On the other hand benefits will come depending on the uses.

# 5.2.3 Problem Solution Analysis

- Problems: Every work has some problems. Our system may also create some problems like -
  - Eye strain: As harmful radiations are emitted from the pc, laptop and mobile screens then it may cause some eye strain problems while using it for a long time.
  - Internet: As this system will require stable internet connection once it is launched. So during giving quizzes no internet may cause problems to the users who will be giving quizzes and tests.
  - **Load shedding:** If anyone uses desktop and wifi routers then load shedding may create problems while using this system.
- **2. Solutions:** While there is a problem, there is a solution also. Now I am going to discuss about the solutions of the problems mentioned above-
  - **Eye strain solution:** Brightness of the device should be maintained while using this system.
  - Solution to the internet problem: Nowadays internet data is not so costly that
    we cannot afford that. So users can purchase data when they will appear for any
    event created. Our system will not consume a lot of data as well.
  - Load shedding solution: As this system can be run from laptop and mobile that
    do not require continuous electricity connection so users can use them very
    easily.

# **5.2.4 Effect and Constraints Analysis**

Eventbooking will play a great role in the business sectors. It will save costs, minimize physical hardships and moreover it will make lives easier than before. As discussed earlier, our system has some constraints. The event creator can not fill up any field and the reservation link is not created. And in this system the event creator can share his event with private, public groups or any social media. And the customer doesn't fill up any field of reservation from the form not to submitted. As it is a big project that is why we are planning to add those features.

### 5.3 System Design

System design is the design process of identifying the components, modules, interfaces, and data that satisfy specified requirements. it is the process of creating or altering systems, along with the processes, practices, models, and methodologies used to develop them.

#### Design

Designing is very crucial for the software development field, because it guides you throughout the process of how the workflow will be. In M-worlds we have contributed to designing and held design as one of the major operations of the project. However, over time as predicted the designs had to be changed and re-constructed while facing many changes in the system. Basically there are a few steps that are needed to be followed in the Development stage.

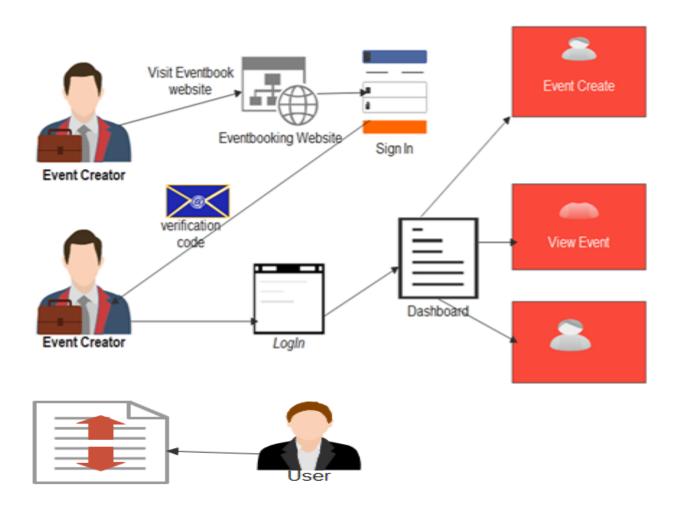
### **High level Design**

High level design explains the architecture that would be used for developing a software product. The architecture diagram provides an overview of an entire system, identifying the Main components that would be developed for the product and their interfaces.

#### 5.3.1 Rich Picture

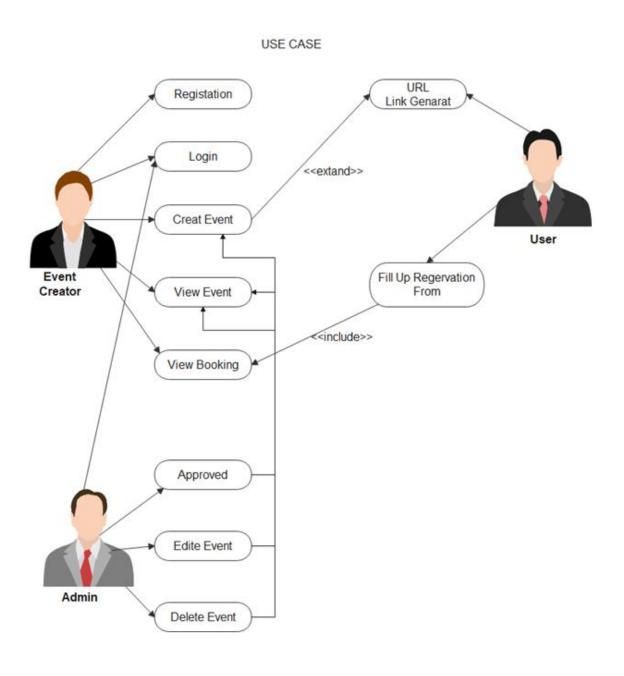
Rich picture is a drawing of a situation that Edrow the main elements and relationships need to be considered when attempting to intervene to bring some improvement. It consists of images, text, symbols and icons all of which are used to graphically the situation.

The following Rich Picture shows how the Event creator register to the system. As far the the event creator login successfully then he/she goes to dashboard page. this site he/she can create his/her event details to create his/her event. In this system the user can fill up reservation from and the event creator can see who reserved him/her.



**5.3.1Figure:Rich Picture of Eventbook** 

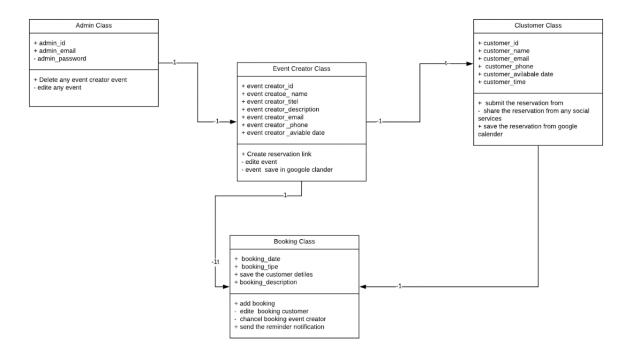
**USE CASE**: In the use case diagram we tried to example the basic roles of the Event creator ,User and Admin in the use of this software,as what the purpose of the software was made in the fast place.AUML diagram is a UML(Unified Modeling Language) diagram designed to visually represent a system along with its main actions,artifacts or classes to better understand,alter,maintain or document system information.



5.3.2 Figure: UML USE Case diagram of Eventbook

## **5.3.2 UML Diagrams**

The UML diagram is the main building block of object-oriented modeling. It is used for general conceptual modeling of the structure of the application, and for detailed modeling translating the models into programming code. UML diagrams are also used for data modeling.

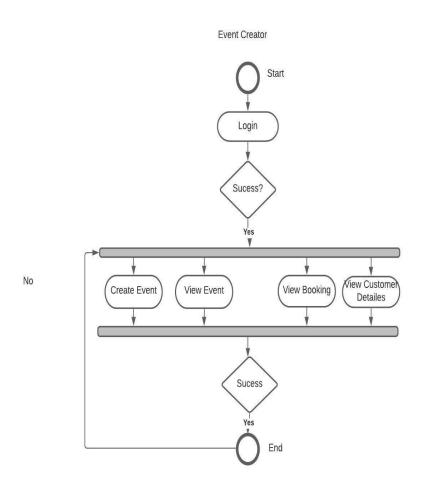


3.2 Figure: UML Diagram

**Activity Diagram:** Another essential behavioral diagram in UML diagram is the activity diagram which describes dynamic aspects of the system. The activity diagram is basically an advanced version of the flow chart which models the flow from one activity to another.

#### **Event creator:**

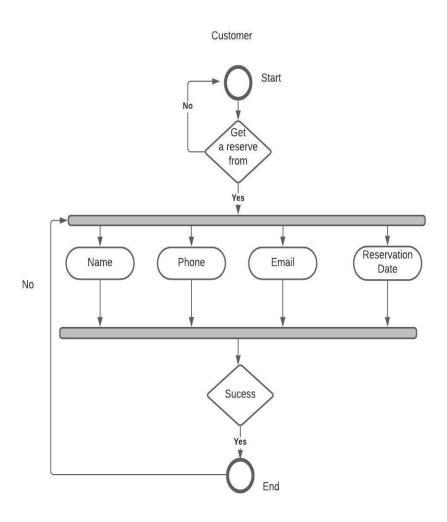
- 1. Event creator must have aeventbook id then he/she login
- 2. Then he/she create his/her on event
- 3. Aftre creating event he/she also seen his/her event
- 4.he/she also view booking
- 5.he/she also deletes customer events.



5.3.2.2 Figure: Event Creator Activity Diagram

#### **Customer:**

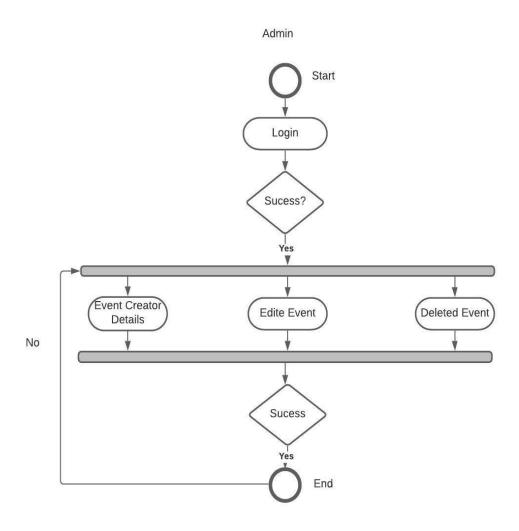
- 1.Customer/user get the reservation from
- 2.Then he/she fill up the reservation from his/her phone, email, reserved date
- 3.he/she also share the reservation



**5.3.2 Figure:Customer reservation Activity Diagram** 

## Admin:

- 1.Adimn can see event event creator details
- 2. Then he Edite in any event creator event
- 3.He can also delete in any event any time if he want



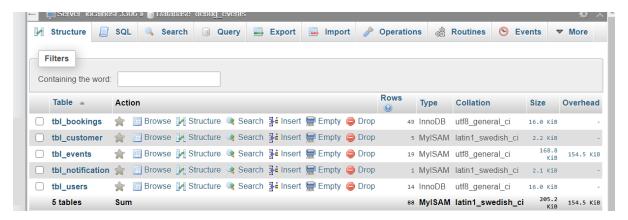
5.3.2.4 Figure: Admin Activity Diagram

#### **Implementation**

The Softwer most critical step is implementation. And in this process the framework proposed is set up. Implementation is simply project coding. For Developing the Eventbook software we have used HTML, CSS, JAVAscript, JQUERY, Firebase, MySQL and Bootstrap. An example scenario is in the part that I was assigned to develop. The prescription doesn't save to the server and have a direct download access so that the Event Creator that went there to help they can easily print the prescription as a document for the patients there.

**JavaScript**: JavaScript is an interpreter, lightweight programming language. It is conceived to build network-centric applications. It is combined with Java and complimentary to. JavaScript can be implemented very quickly, since it is combined with HTML. It's cross-platform, available. We have used JavaScript in the backend for developing this web application. The reason being that Node. js framework helped our developer to manage front-end data updates and create scalable network applications capable of handling multiple user requests at the same time, among other things. So for example we need to verify the Event Creator\_id before his/her entrance to the application. The valid Event Creator\_id will not have a "#" in it, so if someone types his user\_id as "Event Creator", the software will show an invalid message in the beginning of Login. The application doesn't go back to the database in firebase to match this issue rather it sees the error in the frontend by the help of JavaScript.

**PhpMyAdmin**: PhpMyAdmin was used only partially in the beginning for test cases to find the errors. Later the developers used the firebase of Google to maintain the database in the software. Which saved a lot of time because Google promotes flexibility in firebase.In my eventbook project I am created my database



5.3.2.5 Figure: Database table

**Bootstrap4**: The bootstrap framework was used to give the application a better outer look for the users so that the users find more eagerness in using the application. Typography, forms, navigation, buttons &etc, were used.

### 5.3.3 Functional and Non-Functional Requirement

**Functional Requirements:** Functional requirements define the basic system behavior. This includes what the system does or can not do and can be thought of in terms of how the system responds to given inputs. Features that allow the system to function as it was intended. If the functional requirements are not met, the system will not work. Functional requirements are product features and focus on user requirements.

## **5.3.3 Table: Functional Requirement**

Function	Input	Process	Output
Visit Website	Enter Website Domain	Load data from the server and database	Show website With dynamic data
Register in the system by event creator	Input Full name,EmailId,Password and simple text fill up	Save in the database	Login Page Loading
Event Creator Login the system	Input email and password	Match with the registered email and password	Dashboard page Loading
Event Creator Create his/her event	Input his/her Information available date & time generate a from url link	Save in the database	Event creator view his/her event details in dashboard page
User get the from any website	User input his/her details in the from	Fill up the form and submit it	Event creator view who regerve him/her

**Non-Functional Requirements:** Non functional requirement specifies the quality attribute of a software system or a project. The software system is judged based on the responsiveness, usability, security, portability and the other non-functional standards that are critical to the success of the software system. This non-functional requirement allows us to impose constraints on the design of the system across the various agile backlogs.

- Performance and scalability: This defines how fast the system returns results and how much it performs with the change of higher workloads. After launching our system we will test the system in GTMetrix and google pagespeed to see the speed and response. We will work on the optimization as per our plans. As this system may be used by many institutions at a time, so there is a possibility to slow down the system. Considering all these things we are planning to improve the speed of the system.
- **Portability and compatibility:**This determines which operating systems, browsers, hardware's and their versions the software runs on and whether it conflicts with other applications and processes within these environments.
- **Security:** How are the system and its data protected against attacks? In our system we have validated everything so that spam codes cannot harm our system.
- Usability: It means how easy for a customer to use the system. Eventbook is been built
  in such a way that every process connects with another process. Users will be able to
  run the system very easily.

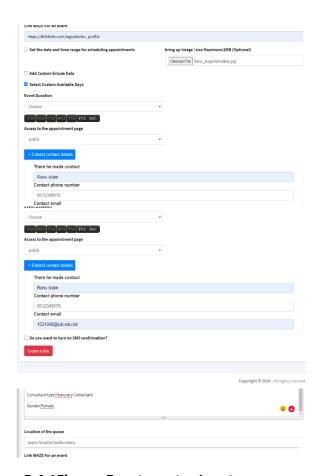
# **5.4 Product Features**

## 5.4.1 Input

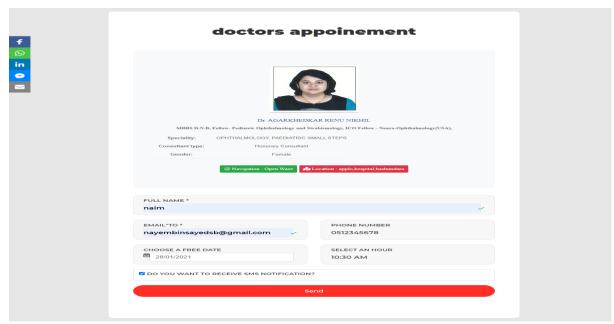
For developing any system or we can say product three things are mandatory.

• What are the inputs?

Reservation has inputs like email, password, personal information Event
Creator can input his/her personal details. Files of words and their meanings can
also be uploaded in the personal details ( Title, Description, Location, Availabledate &time)
create his/her event. Share his/her event link. and the user/customer fill up his/her event
reservation to save in the event creator booking page .Also event creator see user phone
number, email and user name.



5.4.1Figure: Event creator Input



**5.4.1 Figure: Customer Input** 

## **5.4.2 Output**

For developing any system or we can say product three things are mandatory.

### • How should be the outputs

The event creator created his account and the confirmation sms went to his email. And The outputs the event creator see who reserved him/her whish time he/she reserved.event creator can text for personally in user. Event creator can cancel user reservation in any time. If the create event date someone no reserved the event automatically deleted our system. And the events deleted confirmation mail comes to the events creator email.

Eventbook <eventbook@dstudio.asia>
to me >

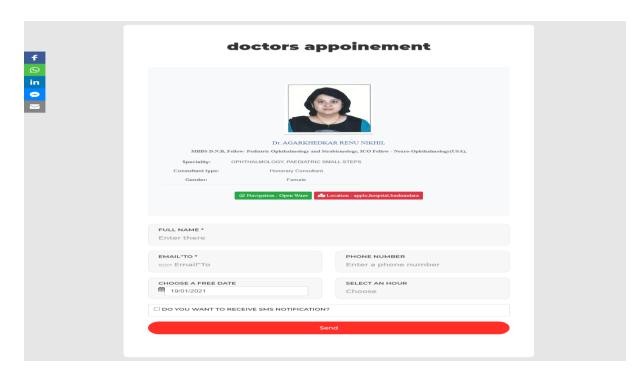
Peace rabid hasan,
A new appointment has been booked for your Euro doctors appoinement. naim
Book an appointment.
Name: naim
Date of the queue: 28/01/2021
Time of the queue: 10:30 AM
Location: applo,hospital,bashundara

Add To Calendar Google

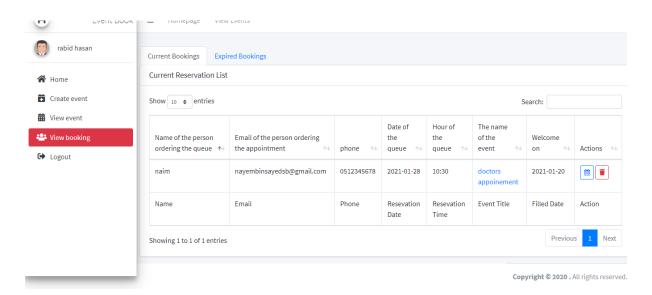
The countdown is on, mark your calendar. naim is look forward to meet you soon.
To watch and manage your events, You can enter the management interface on our website.

5.4.2 Figure: Event creator confirmation email

with gratitude



5.4.2 Figure: Event creator Output



**5.4.2 Figure: Customer Output** 

## 5.4.3 Architecture

Website architecture is used in creating a logical layout of a website in line with the user and business requirements. Our project eventbook system is website based so it is also in line with users. It defines the different components that will make up a website and the services each component or the website will provide in whole. Some of the factors that of website architecture are-

- Technical constraints such as server, storage in Database and communication interface
- Functional aspects such as the type of customer package services and content generated by our eventbook website.
- Visual appearance, the user interface, colors, button and other visual design elements.
- Security parmetes how the website will censure secure access control transactions.

# **Testing:**

Testing is the process of a program with the aim of finding errors. To make our software perform well it should be error-free. If testing is done successfully it will remove all the errors from the software.

#### **Event creator test case:**

**Table: Testing event creator data** 

TEST CASE NO	DESCRIPTION	RESULT
TC1	Event Creator Registration	Passed
TC2	Creator Login	Passed
TC3	Get a confirmation to email	Passed
TC4	Create his/her event all requirement	passed
TC5	Share reservation from link in any 3 part website	passed
TC6	Event creator View his event	Passed
TC7	Event Creator Edit his event	Passed
TC8	Event Creator get Embed Code	Passed
TC9	Event creator save his event in google calendar	Passed
TC10	Event Creator View all his booking	Passed

## **Customer test case:**

## **Table: Customer Testing Data**

TEST CASE NO	DESCRIPTION	RESULT
TC1	Customer get the reservation from	Passed
TC2	Customer fill up the form and submit it	passed
TC3	Customer Share reservation from any social activities	Passed
TC4	After fill up registration from he got a sms in his on mobile	Passed

# **Chapter 6**

## 6.1 Results & Analysis

While working on any project we always look for a very good result. Our project Eventbooking Management System is such a system that will definitely decrease the physical use of pens and papers and their costs, and lost time and energy. Besides, In any Event Creator will flexibly give their information to create his/her platform. It is a system. It is a Software as a services (SAAS). An Event Creator can Register and Create his/her event in this system. In this system Event creator creates his event in his/her personal details. Mention his/her available date &time, Location, his/her own picture. Then the automatically create a event link. Event Creator share his link in any website or Social media whatever he/she want. And User easily get the link/reservation from. User easily fill up the from and the from automatically save the server. And The event creator can see easily who reserved him. Eventbook contains a very good looking website. Everything in the website can be edited by the admin as the whole system is dynamically controlled. Our system can help a lot by saving a lot of time, costs and reducing physical hardship.

# Chapter 7

# **Project as Engineering Problem Analysis**

## 7.1 Sustainability of the Project/Work

The ability of an organization to continue its program or mission far into the later future is called sustainability. Every work or project has to end eventually but the effect and impact should continue to meet the required demands. How the work will act with the changing world has to be analised properly to make a sustainable project. Before starting the work plans have to be very accurate. and transparent to all the workers. We need to step back and look at the way our project connects with the mission, vision and values of the larger target. When any product can not sustain and fulfil the requirements of the end users in future times, it becomes a total waste of time, cost and hard work. Before starting the work plans have to be very accurate, and transparent to all the workers. That is why, before starting a project proper planning and analysis should be done. Eventbooking is such a project which we have tried to continue working with proper planning so that it exists for a longer period of time. People are planning to do everything online. And we know that still there is not a single dedicated online Reservation management system that can fulfil the requirements of the users. In our system, users will login and give information according to the selected time. It is very easy and proper transparency will be there.

## 7.2 Social and Environmental Effects and Analysis

Every work has some social and environmental effects directly or indirectly. For sustainability of any project these two things should be highly maintained. Social effects means the effects that our works have on the people of the society. Eventbooking system event creators can create events from. and the user fills up the reservation from in online. These savings can be used somewhere else to improve the conditions of the society and environment as well.

## 7.3 Addressing Ethics and Ethical Issues

Ethics is such a thing that determines the characters. Projects that are beneficial for the users contain all the things that remain under positive ethics. Our system is totally secured. All the users data is preserved in such a way that others can not see them. The Eventbooking private is password locked. The passwords can not be decrypted as it is properly encrypted. As a whole we can say that our system will work for the welfare of the users maintaining all ethical issues properly.

# **Chapter 8**

## **Future Work & Conclusion**

#### **8.1 Future Works**

In our Event Booking System we work in the admin panel in future. Admin Can view all registered event creator information. Admin can edit/remove event creator profile. admin can view/approve/reject all created events. admin can update any events information. admin can delete any event. Our System we add to the setting system. Event creator create his/her event before he/she shar his link at password protected now we work with this feature.

## 8.2 Conclusion

Finally, I like to say that we have tried hard to build a system that will be really beneficial for those who create the event(event creator). If the system is maintained honestly, it will definitely produce very good outcomes hopefully. We have also thought about the resource savings and maybe we could do that a little bit. In future we will try to add many more advanced features by proper planning that will make our life easier than ever before the reservation system.

# **Bibliography**

8YwKWM

[1] https://financesonline.com/appointment-scheduling-statistics/#link1
[2] https://financesonline.com/appointment-scheduling-statistics/#link2
[3] https://financesonline.com/appointment-scheduling-statistics/#link3
[4] https://financesonline.com/appointment-scheduling-statistics/#link4
[5] https://financesonline.com/appointment-scheduling-statistics/#link5
[6]https://creately.com/diagram/example/i1afcg5q1/Room%20Reservation%20System%20Domain%20Model
[7]https://www.picktime.com/login#
[8] https://partners.fresha.com/fresha/online-booking/overview
[9]https://www.amarbebsha.com/hospital-management/
[10]https://www.capterra.com/
[11].https://www.smartdraw.com/activity-diagram/
[12].https://www.google.com/search?q=methodology+of+event+management&sxsrf=ALeKk0 3pRy49vyT15lC6aC2AR9181fQsQw:1610346785814&source=lnms&tbm=isch&sa=X&ved=2ahL KEwidooihoZPuAhV 73MBHcABA4gO AUoAXoECAOOAw&biw=1536&bih=666#imgrc=ivLAFbX

# **Appendix**

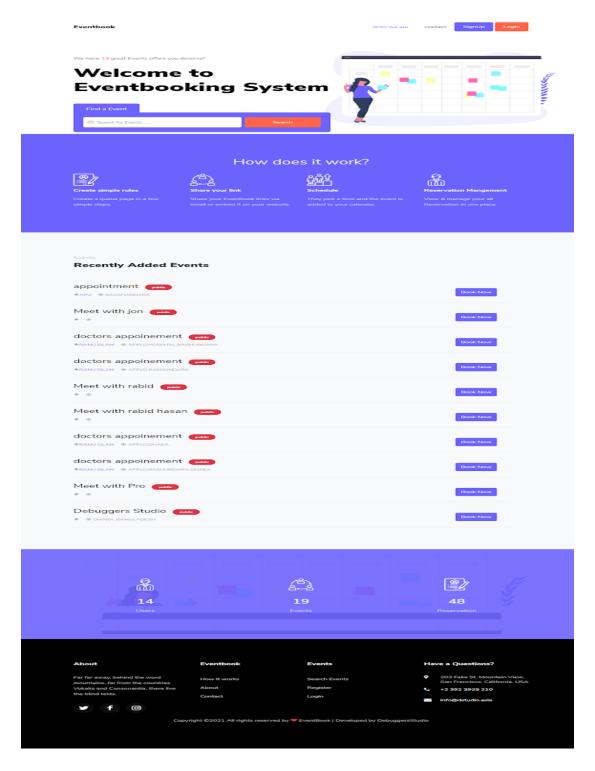


Figure1: Home Page

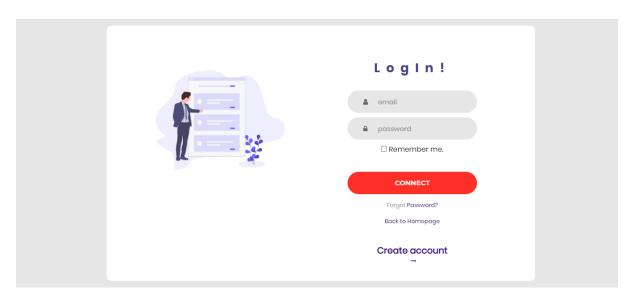


Figure2: Login Page

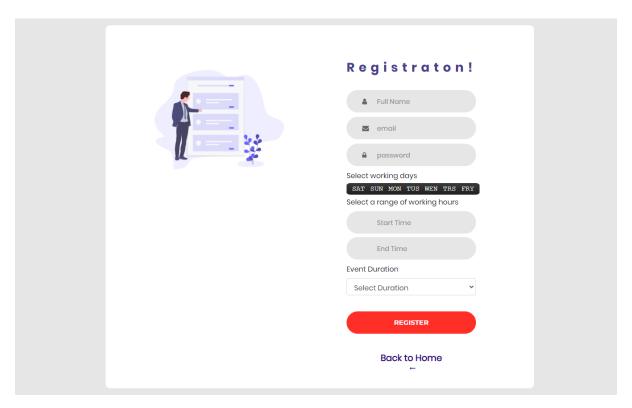


Figure3: SingUp Page

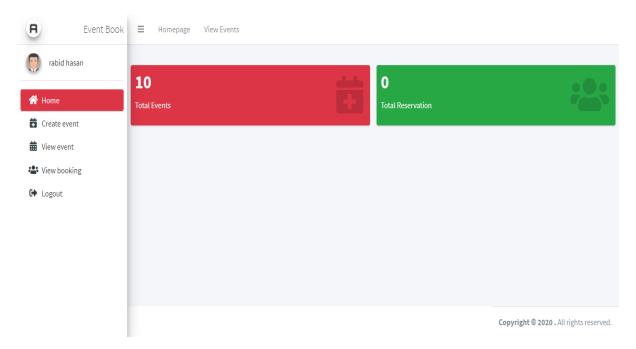


Figure 4: Event Creator Dashboard Page

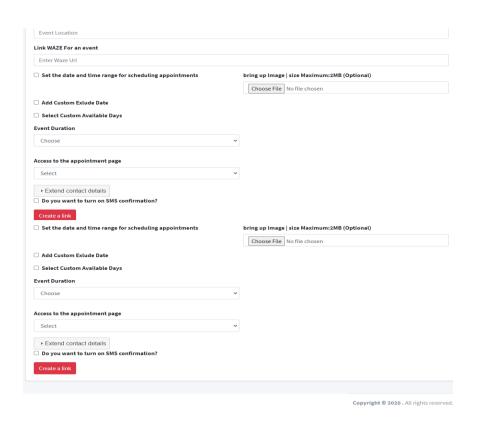
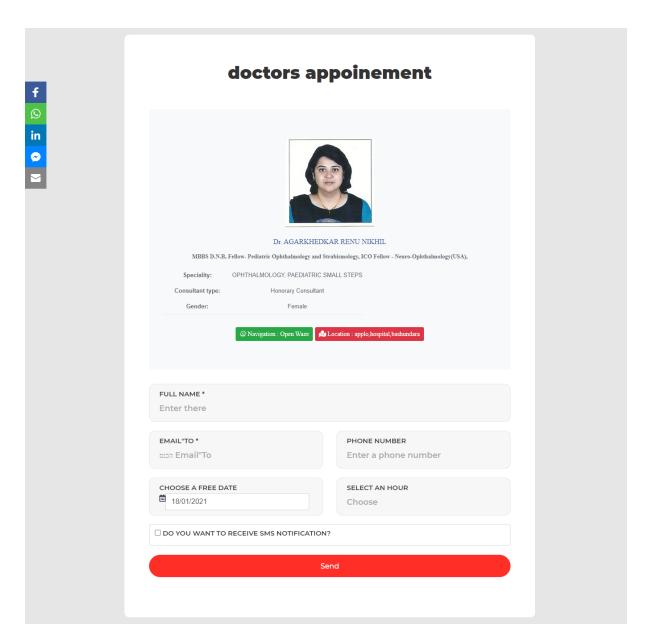


Figure5: Event Create Page

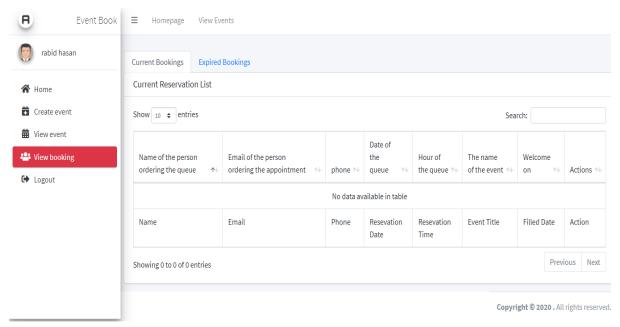
doctors appoinement	09/01/2021 10:00 AM - 01/12/2099 07:00 PM	https://dstudio.asia/eventbook/form/? 42yz2h5	09/01/2021	Actions Copy
doctors appoinement	08/01/2021 10:00 AM - 01/12/2099 07:00 PM	https://dstudio.asia/eventbook/form/? 1d0o8	08/01/2021	Actions Copy
doctors appoinement	09/01/2021 10:00 AM - 01/12/2099 07:00 PM	https://dstudio.asia/eventbook/form/? 2izadgy9	09/01/2021	Actions Copy
doctors appoinement	07/01/2021 10:00 AM - 01/12/2099 07:00 PM	https://dstudio.asia/eventbook/form/? 35xruraq	07/01/2021	Actions Copy
Meet with rabid	09/01/2021 10:00 AM - 01/12/2099 05:00 PM	https://dstudio.asia/eventbook/form/? gck0vtw4	09/01/2021	Actions Copy
Meet with rabid hasan	31/12/2020 12:00 AM - 01/12/2099 05:00 AM	https://dstudio.asia/eventbook/form/? 2ck9uq	31/12/2020	Actions Copy
Meet with rabid hasan	09/01/2021 10:00 AM - 01/12/2099 07:00 PM	https://dstudio.asia/eventbook/form/? 4vc6jir	09/01/2021	Actions Copy
аррошения	01.001 M	ZIZUUSJU		embed
doctors appoinement	07/01/2021 10:00 AM - 01/12/2099 07:00 PM	https://dstudio.asia/eventbook/form/? 35xruraq	07/01/2021	Actions Copy
Meet with rabid	09/01/2021 10:00 AM - 01/12/2099 05:00 PM	https://dstudio.asia/eventbook/form/? gck0vtw4	09/01/2021	Actions Copy
Meet with rabid hasan	31/12/2020 12:00 AM - 01/12/2099 05:00 AM	https://dstudio.asia/eventbook/form/? 2ck9uq	31/12/2020	Actions • Copy
Meet with rabid hasan	09/01/2021 10:00 AM - 01/12/2099 07:00 PM	https://dstudio.asia/eventbook/form/? 4vc6jir	09/01/2021	Actions 🕶 🗈 copy
The name of the event	Medium of dates of the event	Link to the event	Created on	Actions
howing 1 to 10 of 10				Previous 1

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**Figure6: Event Creator View Event** 



**Figure7:Customer Reservation From** 



**Figure8: Event Creator View Booking From**