
Software Requirements Specification

Online doctor appointment system

Version 1.0 approved

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1. Introduction

1.1 Introduction

- We are designing a website for an online doctor appointment booking system.
- The basic motto of this project is to provide an appointment booking system online. It's an online mode appointment booking system so that no need any kind of paperwork is required

1.2 Document Conventions

- We have chosen fonts and highlighted certain information needed to understand the website's workflow. It will be reader-friendly.

1.3 Intended Audience and Reading Suggestions

- This website mainly targets those who don't have time to wait for their turn.

1.4 Project Scope

- The basic motto of this project is to save the time of the patients and doctors and make management easy for the hospital.
- The purpose of this website is to give the facility to book an appointment in online mode.
- Our website provides all the necessary details of doctors and free slots for the appointment so that there will be no confusion. We have designed our website in such a manner that it will not create any kind of confusion related to doctors' details and other things.

1.5 References

- Reference has been taken from the official website of big hospitals like the Apollo Hospital etc.
- Reference has also been taken from web designing and development tutorials.

2. Overall Description

2.1 Product Perspective

- Online doctor appointment booking website contains the following information.
- Product details: This website has three separate parts for the admin, doctor, and patients. Viewing rights are given to the patients and alteration and deleting rights are given to the doctor and admin.
- Product quotation: This website will help the patient know when their turn will come. So that they can save their time and work can be done fast. This will help a doctor to consult the patients fast and effectively. Management can be done fast and more accurately

2.2 Product Features

This website will come with the features mentioned below.

1. Platform independence is one of the most important features of this project. This website can run on any device that has browser and an active internet connection. So that there is no need for any kind of installation.
2. This is a secure website because there is three separate modules for admin, doctor, and patients.
3. This website has user-friendly interface so that admin, doctors and patients can easily understand the workflow of the online appointment booking system.
4. This website will help to manage appointments so it will reduce the burden on staff members of the hospital so that management of appointments can be done in an effective way.
5. Admin can log in with their id and password and that will be provided by the website developer. Admin will provide id and password to doctor. Patients need to register themselves at the website and after they verify the account by email they are allowed to book the appointment.
6. This website will allow admin, doctors and patient to work on a single platform so that it will reduce the time of other documentation and paperwork.
7. This website will provide separate rights to admin, doctor, and patient so that anyone can't modify the details. All modification rights are given to the admin.

2.3 Operating Environment

This website will run in a web browser so that it requires only an active internet connection and any device which can run the web browser so there is no requirement of any other hardware support.

2.4 User Documentation

Admin

- ✎ Id and password will be provided to the admin by the website developer
- ✎ At the admin dashboard, the admin can see many options like total today appointment, total yesterday appointment, last 7 days appointment, total appointment till the date, total registered patient.
- ✎ Admin can enter and edit the details of the hospital like name, logo, address, contact number, and other information related to the hospital.
- ✎ Admin has other options for a dashboard, doctor, patient, doctor schedule, appointment, profile.
- ✎ Now in this section of doctor admin can see, edit and delete the information of the doctor. They can also create new doctor's profile and delete existing doctors. Admin has the rights to active and deactivates the account of the doctor.
- ✎ In the doctor schedule section, they can schedule an appointment of the doctor.
- ✎ In the patients section admin can see, edit and delete the existing patients.
- ✎ In the appointment section they can see the current status of the appointment. Admin can edit and delete the existing appointment.

Doctor

- ✎ The doctor's id and password will be provided by the admin to the doctor.
- ✎ After the successful login, they can see schedule modules, appointments, profile.
- ✎ In the profile section, the doctor can see, edit, and delete the doctor's details.
- ✎ Doctor schedule: in this section doctor can schedule the appointment time of the doctor.
- ✎ Appointment: in this section, doctor can see the booked appointment status. Only a doctor can edit the field of diagnosis whatever he/she has diagnosed.

Patients

- ✎ Patients need to create and verify the account
- ✎ After successful login patients will be redirected to the dashboard and they can see options like booking appointments, editing information.
- ✎ After the consultation by the doctor, the PDF of They can also download the PDF of the appointment.

3. System feature

Description and Priority

- ✍ Platform independency is one of the most important feature of this website. Because we have designed this website in such a manner that it can run in any web browser.
- ✍ This is a very secure website so all people don't have the right to add a profile and make changes to it. Only the admin has all rights. All other users of the website have been given less rights as compared to the admin.
- ✍ This website has given more priority to reducing the burden on hospitals staff, patients as well as doctor .so that we had reduced such a complex thing like paperwork of appointment booking. so that it can make appointment booking simple and fast.
- ✍ This website has a user-friendly interface so that the admin, doctor, and patients can easily understand the process.
- ✍ This website will make the pdf of the appointment before booking and after the diagnose.
- ✍ This website will help book the appointment in online mode.

Admin Dashboard Description

- ✍ Admin dashboard six five tabs.
 - Dashboard
 - Doctor
 - Patients
 - Doctor schedule
 - Appointment
 - profile

Patients Dashboard Description

- ✍ In the patient's dashboard, they can see the available doctors and profile tab in which they can see and edit the profile.

Doctor Dashboard Description

- ✍ There are three modules on the doctor dashboard.
 - Doctor schedule
 - Appointment
 - profile

Stimulus/Response Sequences

Admin Dashboard

- ✎ Id and password of admin is provided by the website developer and they can login with their id and password.
- ✎ Admin has all rights to the appointment booking system.
- ✎ At the admin dashboard, admin can see many options like a doctor, patients, doctor schedule, appointment, profile.
- ✎ Doctor: in this section, admin can add a new doctor and edit the existing doctor's details. Admin will provide id and password to the doctor for login.
- ✎ Patient: in this section admin can see the registered patients. Admin can also edit the information and delete existing patients.
- ✎ Appointment: in this section admin can see the booked appointment. Admin can see the status of the appointment.
- ✎ Profile: in this tab admin can edit the details of the hospital.

Doctor Dashboard

- ✎ Doctor can login with their id and password which will be provided by the admin.
- ✎ After the successful login doctor can see tabs like profile, doctor schedule, appointment.
- ✎ Doctor schedule: in the doctor schedule modules they can schedule a time for the appointment so that it will be reflected in the patients dashboard and now they can book the appointment.
- ✎ Appointment: in this section doctor can see the booked appointment by the patients. Doctor can see all information of the patients so that they can treat the patient and they can treat patient. After the diagnosis doctor can add remarks in the appointment and that will be reflected in the patients appointment.
- ✎ After the complete appointment status of the appointment will be completed and that will be reflected in the admin, doctor and patients dashboard.

Patients Dashboard

- ✎ If patients are first time booking the appointment first of all he/she need to register them self at website. After the register verification email will be sent to their registered email. After the verify the account, they can book the appointment.
- ✎ After login patients will be redirected to the patient dashboard where they can see the name of doctor, time of available slot for the appointment, appointment number and booked appointment.
- ✎ After the book appointment patient can download the PDF of the appointment.
- ✎ By the clicking on the profile tab patients can edit the profile information.

Functional Requirements

- ✧ With the help of this website admin can appointment booking process in online mode.
- ✧ Admin can add new doctor in hospital and admin can also delete the existing doctor. Admin have rights about activate/deactivate doctor's account.
- ✧ Rights of edit information are given as per the role of the user. More rights are given to the admin.
- ✧ The login id and password for the admin will be provided by the website developer. Login id for the doctor will be provide to doctor by the admin. Login id and password for patients is whatever they have entered at the registration time.
- ✧ After the login admin can see, edit and delete the doctor account. admin can see the information of the patients. Admin can see the booked appointment. admin can schedule the time of booking the appointment for the doctor. Admin is able to edit the information of hospital.
- ✧ When doctor will login with their id and password, they can see the booked appointment. After the diagnosed doctor can remark in the appointment.
- ✧ After the appointment patient can download the PDF of the appointment.
- ✧ Admin need to login with id and password which is provided by the website developer. If the entered id and password was correct this it will redirected to the admin dashboard.
- ✧ Admin have all rights about the online appointment booking system.

4. External Interface Requirements

4.1 User Interfaces

- ✎ This website has simple GUI base user interface.
- ✎ In it patient need to first register him/her self and after once register they don't require all times register, they can login with there is and password.
- ✎ In this website admin has all rights for the online appointment booking system.

Admin

Online Doctor Appointment System

Login

Online Doctor Appointment System

ADMIN 

Dashboard

Doctor

Doctor Schadule

Patient

Appointment

Profile

Today Appointment

0

Yesterday Appointment

1

Last 7 days Appointment

9


Total Appointment till date

14

Total Patient

12

Online Doctor Appointment System

ADMIN 

Dashboard

Doctors

















Doctor Schadule


Patient

Appointment

Profile

Doctor Management

Photo	Name	e-mail	Phone	Speciality	Password	Status	Action
	aaa	xxxx@yyy.com	98*****8	MD	####	ACTIVE	  
	aaa	xxxx@yyy.com	98*****9	MBBS	####	ACTIVE	  
	aaa	xxxx@yyy.com	98*****0	MBBS	####	INACTIVE	  
	aaa	xxxx@yyy.com	98*****1	MD	####	ACTIVE	  



Doctor appointment management system

Add Doctor

Doctor email address

Password

Doctor Name

Mobile No.

Address

Date of birth

Degree

Speciality

ADD

Cancle

Edit Doctor

Doctor email address

Password

Doctor Name

Mobile No.

Address

Date of birth


Degree

Speciality

Edit

Cancle

View Doctor Details



Name : aaaaa
Phone No.: 9586585557
e-mail Address : xxx@yyy.com
Password : #####
Address : bbbbbbbbbbbb
Date of Birth : dd/mm/yyyy
Degree : MD
Speciality : Neck

Close

Online Doctor Appointment System

ADMIN

Dashboard

Doctors

Doctor Schadule

Patient

Appointment

Profile

Doctor Schadule Management

Date	Day	Start Time	End Time	Coun. Time	Doctor e-mail	Action
dd/mm/yyyy	day	hh:mm	hh:mm	mm	xxx@yyy.com	
dd/mm/yyyy	day	hh:mm	hh:mm	mm	xxx@yyy.com	
dd/mm/yyyy	day	hh:mm	hh:mm	mm	xxx@yyy.com	
dd/mm/yyyy	day	hh:mm	hh:mm	mm	xxx@yyy.com	
dd/mm/yyyy	day	hh:mm	hh:mm	mm	xxx@yyy.com	
dd/mm/yyyy	day	hh:mm	hh:mm	mm	xxx@yyy.com	
dd/mm/yyyy	day	hh:mm	hh:mm	mm	xxx@yyy.com	
dd/mm/yyyy	day	hh:mm	hh:mm	mm	xxx@yyy.com	

Doctor appointment management system

Add Schedule

Doctor e-mail

Date

Start Time

End Time

Coun. Time

AddCancel

Edit Schedule

Doctor e-mail

Date

Start Time

End Time

Coun. Time

EditCancel

Online Doctor Appointment System

ADMIN

Dashboard

Doctors

Doctor Schedule

Patient

Appointment

Profile

Patient Details

Name	e-mail	Phone	Gender	Password	Address	Action
aaaaaaa	xxx@yyy.com	9854555	Male	#####	SSSSSSSSSSSSSS	
aaaaaaa	xxx@yyy.com	9556454	Male	#####	SSSSSSSSSSSSSS	
aaaaaaa	xxx@yyy.com	955674	Female	#####	SSSSSSSSSSSSSS	
aaaaaaa	xxx@yyy.com	2586747	Male	#####	SSSSSSSSSSSSSS	
aaaaaaa	xxx@yyy.com	8562147	Female	#####	SSSSSSSSSSSSSS	
aaaaaaa	xxx@yyy.com	2896425	Female	#####	SSSSSSSSSSSSSS	

Add Patient

Patient email address

Passwod

First Name

Last Name

Date of Birth

Gender

Mobile No.

Address

ADD

Cancel

Edit Patient

Patient email address

Passwod

First Name

Last Name

Date of Birth

Gender

Mobile No.

Address

Edit

Cancel

Doctor appointment management system

View Patient Details

Name : aaaaa

Phone No.: 9586585557

e-mail Address : xxx@yyy.com

Password : #####


Address : bbbbbbbbbbbbb

Date of Birth : dd/mm/yyyy

Gender : Male

Close

Online Doctor Appointment System

ADMIN 

Dashboard

Doctors









Doctor Schadule

Patient

Appointment

Profile

Appointment Details

Appo. No.	P. Name	D. Name	Date	Day	Time	Status	View
1	xxxxxxx	yyyyyyy	dd/mm/yyyy	day	hh:mm	bookd	 X
2	xxxxxxx	yyyyyyy	dd/mm/yyyy	day	hh:mm	bookd	 X
3	xxxxxxx	yyyyyyy	dd/mm/yyyy	day	hh:mm	canceled	 X
4	xxxxxxx	yyyyyyy	dd/mm/yyyy	day	hh:mm	bookd	 X
5	xxxxxxx	yyyyyyy	dd/mm/yyyy	day	hh:mm	canceled	 X
6	xxxxxxx	yyyyyyy	dd/mm/yyyy	day	hh:mm	bookd	 X
7	xxxxxxx	yyyyyyy	dd/mm/yyyy	day	hh:mm	canceled	 X
8	xxxxxxx	yyyyyyy	dd/mm/yyyy	day	hh:mm	bookd	 X

Appointment

Patient Name : Mr. Patel

Contact no.: 9425862478

Address : aanand

DoctorName : Dr. Maheta

Date : dd/mm/yyyy (Monday)

Time : hh:mm - hh:mm

Reason : aaaaaaaaaaaaaaaaa

Close

Doctor appointment management system

Online Doctor Appointment System

ADMIN

Dashboard

Doctors

Doctor Schedule

Patient

Appointment


Profile

Profile

Admin email address

Admin Name

Hospital Address



Password

Hospital Name

Hospital Phone No.

Edit

Edit Profile

Admin email address

Admin Name

Hospital Address


Choose File

Password

Hospital Name

Hospital Phone No.

Save

Cancel

Doctor

Online Doctor Appointment System

Doctor email address

Passwod

Login

New Patient? [Register now](#)

Online Doctor Appointement System

Doctor email address

Doctor Name

Address

Degree

Password

Mobile No.

Date of birth

Speciality

Sign In

Doctor appointment management system

Online Doctor Appointment System

Dashboard

Appointment

Profile

Doctor Schadule Management

Date	Day	Start Time	End Time	Coun. Time	Status	Action
dd/mm/yyyy	day	hh:mm	hh:mm	mm	Active	
dd/mm/yyyy	day	hh:mm	hh:mm	mm	Inactive	
dd/mm/yyyy	day	hh:mm	hh:mm	mm	Active	
dd/mm/yyyy	day	hh:mm	hh:mm	mm	Active	

Add Schadule

Date

Start Time

End Time

Coun. Time

Add

Cancle

Edit Schadule

Date

Start Time

End Time

Coun. Time

Edit

Cancle

Online Doctor Appointment System

Dashboard

Appointment

Profile

Appointments

Appo. No.	Name	Date	Day	Time	Status	View
1	xxxxxxx	dd/mm/yyyy	day	hh:mm	bookd	
2	xxxxxxx	dd/mm/yyyy	day	hh:mm	bookd	
3	xxxxxxx	dd/mm/yyyy	day	hh:mm	canceled	
4	xxxxxxx	dd/mm/yyyy	day	hh:mm	bookd	

Appointment

Patient Name : Mr. Patel

Contact no.: 9425862478

Address : aanand

DoctorName : Dr. Maheta

Date : dd/mm/yyyy (Monday)

Time : hh:mm - hh:mm

Reason : aaaaaaaaaaaaaaaaaa

Close

Doctor appointment management system

Online Doctor Appointment System

Dashboard

Appointment

Profile


Profile

Doctor email address

Doctor Name

Address

Degree



Password

Mobile No.

Date of birth

Speciality

Edit

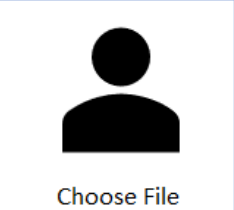
Edit Profile

Doctor email address

Doctor Name

Address

Degree



Choose File

Password

Mobile No.

Date of birth

Speciality

Save

Cancel

Patient

Online Doctor Appointment System

Patient email address

Passwod

Login

New Patient? [Register now](#)

Doctor appointment management system

Online Doctor Appointment System

Patient email address	Passwod
First Name	Last Name
Date of Birth	Gender
Mobile No.	Address
Sign In	

Online Doctor Appointment System							
Book Appointment		My Appointment					
Doctor Name	Degree	Speciality	Appointment Date	Appointment Day	Available Time	Action	
xxxxxx	MS	aaaaa	dd/mm/yyyy	Monday	hh:mm - hh:mm	Book	
xxxxxx	MBBS	aaaaa	dd/mm/yyyy	Tuesday	hh:mm - hh:mm	Book	
xxxxxx	MD	aaaaa	dd/mm/yyyy	Wednesday	hh:mm - hh:mm	Book	
xxxxxx	MBBS	aaaaa	dd/mm/yyyy	Thursday	hh:mm - hh:mm	Book	
xxxxxx	MBBS	aaaaa	dd/mm/yyyy	Friday	hh:mm - hh:mm	Book	
xxxxxx	MBBS	aaaaa	dd/mm/yyyy	Saturday	hh:mm - hh:mm	Book	

Make Appointment

Patient Name : Mr. Patel	
Contact no.: 9425862478	
Address : aanand	

DoctorName : Dr. Maheta	
Date : dd/mm/yyyy (Monday)	
Time : hh:mm - hh:mm	

Reason for Appointment :-	
Book	Cancel

Online Doctor Appointment System										
Book Appointment			My Appointment							
Appoi. No.	Doctor Name	Degree	Appointment Date	Appointment Day	Available Time	Status	Download			
1	xxxxxx	MS	dd/mm/yyyy	Monday	hh:mm - hh:mm	Booked		Cancel		
2	xxxxxx	MBBS	dd/mm/yyyy	Tuesday	hh:mm - hh:mm	Booked		Cancel		
3	xxxxxx	MD	dd/mm/yyyy	Wednesday	hh:mm - hh:mm	Booked		Cancel		

4.2 Software Quality Attributes

- ✧ Availability: it's a simple website so that it is available on the internet and can access from the browser.
- ✧ Flexibility: it's flexible so that it can be run on any web browser.
- ✧ Reusability: we have designed this website in such a manner that it can be reuse many time.
- ✧ Maintainability: There is no such complex design for the website so that it is easy to maintain.

