***Documentation for Healthcare Appointment and Management System project.***

***Table of Contents:***

1. *Overview*
2. *Project Structure*
3. *Components*
4. *Services*
5. *Routing Configuration*
6. *Data Storage and Retrieval*
7. *Models*
8. *Installation*
9. *Usage*

*1o Troubleshooting*

1. ***Overview***

*The Healthcare Appointment and Management System is a web application designed to manage appointments, departments, and doctors. Built using Angular, Html,Css,Js,MySQL, and Bootstrap.*

1. ***Project Structure***

*dist/*

*node\_modules/*

*src/*

*app/*

*components/*

*appointment/*

*dashboard/*

*department/*

*doctor/*

*services/*

*appointment.service.ts*

*department.service.ts*

*doctor.service.ts*

*models/*

*appointment.model.ts*

*department.model.ts*

*doctor.model.ts*

*assets/*

*environments/*

*index.html*

*main.ts*

*polyfills.ts*

*styles.css*

*tsconfig.json*

*package.json*

*README.md*

1. ***Components***
   1. ***Appointment Component***

*Handles appointment booking*

* 1. ***Dashboard Component***

*Displays Home*

*Displays Services*

*Displays Blogs*

*Displays Contact US*

* 1. ***Department Component***

*Lists available departments*

* 1. ***Doctor Component***

*Lists available doctors*

1. ***Services***
   1. ***Appointment Service***

***Creates appointments***

* 1. ***Department Service***

*Handles department data*

1. ***Routing Configuration***

*TypeScript*

*const routes: Routes = [*

*{*

*path: 'appointment',*

*component: AppointmentComponent*

*},*

*{*

*path: 'dashboard',*

*component: DashboardComponent*

*},*

*{*

*path: 'department',*

*component: DepartmentComponent*

*},*

*{*

*path: 'doctor',*

*component: DoctorComponent*

*},*

*];*

1. ***Data Storage and Retrieval***

*The application uses MySQL to store data. Angular services interact with the database using HTTP requests.*

1. ***Models***
   1. ***Appointment Model***

*TypeScript*

*export class Appointment {*

*id: number;*

*patientName: string;*

*doctorName: string;*

*departmentName: string;*

*appointmentDate: Date;*

*appointmentTime: string;*

*}*

* 1. ***Department Model***

*TypeScript*

*export class Department {*

*id: number;*

*departmentName: string;*

*description: string;*

*}*

* 1. ***Doctor Model***

*TypeScript*

*export class Doctor {*

*id: number;*

*doctorName: string;*

*departmentName: string;*

*specialization: string;*

*}*

1. ***Installation***

*Copy the code*

*Run npm install*

*Create a MySQL database*

*Configure database credentials in environment.ts*

*Run ng serve*

***9. Usage***

*Access the application at http://localhost:4200*

*Book appointments, manage departments, and doctors*

***10. Troubleshooting***

*Check console logs for errors*

*Verify database connection*

*Consult Angular and MySQL documentation*