

OPD-APP (FULL STACK TRAINING PROJECT)

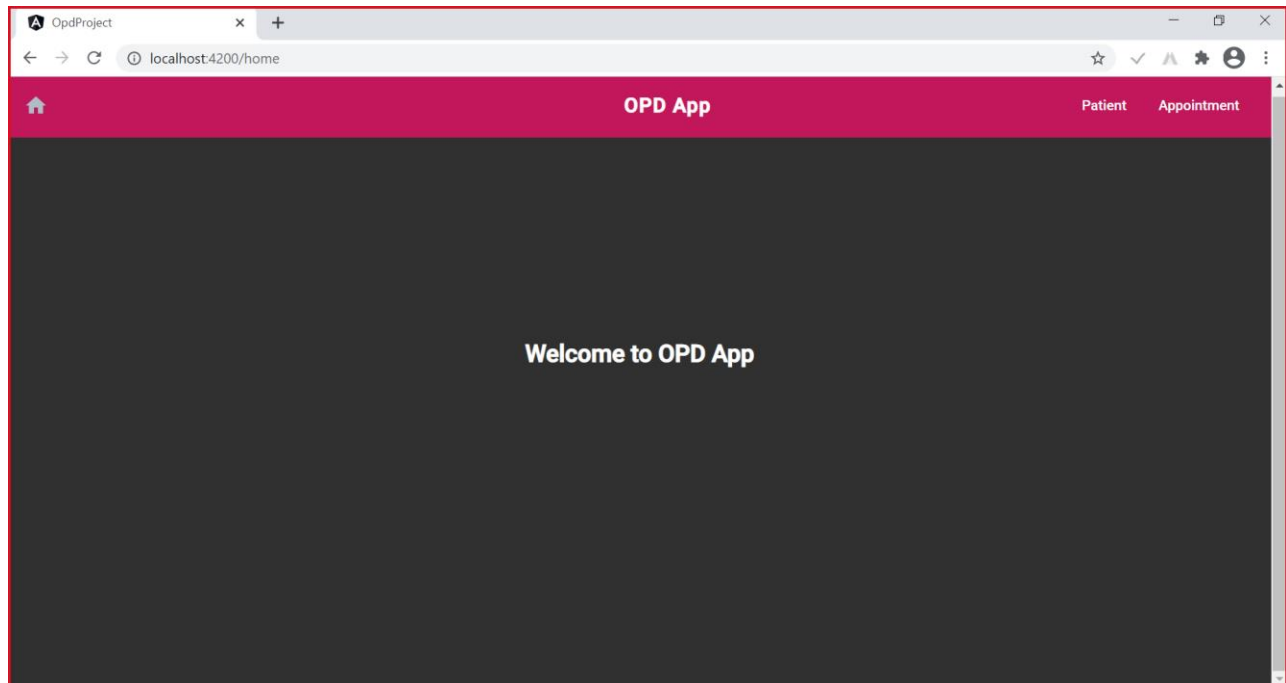
PROJECT BY –

- Omesh Agrawal
- Tejas Autkar
- Sachin Sonawane

TRAINER – PRIYANKA GAWADA

SCREENSHOTS OF PROJECT

Home



All Patient List

OpdProject

localhost:4200/patients/all

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OPD App

PatientAppointment

Patient

📄 Patient List

➕ New Patient

Search

Patient ID	Name	Email	Phone	Medical History	Details	Update	Delete	Book Appointment
P000003	James Garcia	james.garcia@gmail.com	122-351-6221	🩺	☰	🔄	🗑️	📅
P000005	Omesh Agrawal	omesh.agrawal@gmail.com	1238891191	🩺	☰	🔄	🗑️	📅
P000006	Tejas Autkar	tejas.autkar@gmail.com	2372718181	🩺	☰	🔄	🗑️	📅
P000007	Sachin Sonawane	sachin.sonawane@gmail.com	3211255331	🩺	☰	🔄	🗑️	📅
P000008	Marco Rosso	marco.rosso@gmail.com	2134822811	🩺	☰	🔄	🗑️	📅
P000009	Timothy Garcia	timothy@gmail.com	2347328191	🩺	☰	🔄	🗑️	📅
P000010	Phineas Triller	phineas.triller@gmail.com	123-445-2222	🩺	☰	🔄	🗑️	📅
P000011	Brent Consolas	Brent.Consolas@gmail.com	2384383812	🩺	☰	🔄	🗑️	📅

Searching Patient with patient name ("Gar")

OpdProject

localhost:4200/patients/all

☆ ✓ 🔧 👤 ⋮

🏠

OPD App

PatientAppointment

Patient

📄 Patient List

➕ New Patient

Search

Gar

Patient ID	Name	Email	Phone	Medical History	Details	Update	Delete	Book Appointment
P000003	James Garcia	james.garcia@gmail.com	122-351-6221	🩺	☰	🔄	🗑️	📅
P000009	Timothy Garcia	timothy@gmail.com	2347328191	🩺	☰	🔄	🗑️	📅
P000012	Jenna Garcia	jenna.garcia@gmail.com	3217238181	🩺	☰	🔄	🗑️	📅

Searching Patient with Patient Id which has a prefix("P00001")

The screenshot shows the OPD App interface. The search bar at the top of the patient list is set to "P00001". The table below displays a list of patients filtered by this search criteria.

Patient ID	Name	Email	Phone	Medical History	Details	Update	Delete	Book Appointment
P000010	Phineas Triller	phineas.triller@gmail.com	123-445-2222					
P000011	Brent Consolas	Brent.Consolas@gmail.com	2384383812					
P000012	Jenna Garcia	jenna.garcia@gmail.com	3217238181					
P000015	Alexander Lacazette	alexander.lacazette@gmail.com	3127346372					
P000017	Gugev Yevgeny	gugev.yevgeny@gmail.com	7838991929					
P000018	Frodo Trigger	frodo.trigger@gmail.com	3211321231					

Sorting can be done my name ,Patient Id, email address. Here we are sorting by name

The screenshot shows the OPD App interface with the patient list sorted by name. The search bar is empty, and the table displays patients in ascending order of their names.

Patient ID	Name ↑	Email	Phone	Medical History	Details	Update	Delete	Book Appointment
P000015	Alexander Lacazette	alexander.lacazette@gmail.com	3127346372					
P000011	Brent Consolas	Brent.Consolas@gmail.com	2384383812					
P000018	Frodo Trigger	frodo.trigger@gmail.com	3211321231					
P000017	Gugev Yevgeny	gugev.yevgeny@gmail.com	7838991929					
P000003	James Garcia	james.garcia@gmail.com	122-351-6221					
P000012	Jenna Garcia	jenna.garcia@gmail.com	3217238181					
P000008	Marco Rosso	marco.rosso@gmail.com	2134822811					
P000005	Omesh Agrawal	omesh.agrawal@gmail.com	1238891191					

Validations when adding a Patient. Submit button will be disabled if any of the validation criteria is not met.

The screenshot shows the 'New Patient' form in the OPD App. The form contains several input fields with validation errors indicated by red icons and text:

- First Name:** 'asd' (Error: First Name should have atleast 3 characters)
- Last Name:** 'Last name' (Error: required)
- Email:** 'asd@' (Error: Email address is invalid)
- Phone:** '132131131' (Error: Phone format invalid)
- Address:** '123, XYZ Street' (Valid)
- City:** 'Pu' (Error: City should have atleast 3 characters)
- State:** 'Maharashtra' (Error: required)
- Gender:** 'Male' (Valid)
- Birth-Date:** '01/05/2021' (Valid)
- SSN:** '123-31-99997' (Error: SSN format invalid)

The 'Submit' button is disabled.

When all the input fields are valid. An alert box for the patient id generated from the hibernate is shown.

The screenshot shows the 'New Patient' form in the OPD App after successful submission. An alert box is displayed with the message: 'localhost:4200 says patient added with id -P000019'. The form fields are now filled with valid data and marked with green checkmarks:

- First Name:** 'David' (Valid)
- Last Name:** 'Werner' (Valid)
- Email:** 'david.werner@gmail.com' (Valid)
- Phone:** '1321311312' (Valid)
- Address:** '123, XYZ Street' (Valid)
- City:** 'Pune' (Valid)
- State:** 'Maharashtra' (Valid)
- Gender:** 'Male' (Valid)
- Birth-Date:** '07/12/1995' (Valid)
- SSN:** '123-67-3123' (Valid)

The 'Submit' button is now enabled.

Adding medical history of patient

The screenshot shows a web browser window with the URL `localhost:4200/patients/history/P000015`. The application is titled "OPD App" and has a sidebar with "Patient List" and "New Patient" options. The main form is for adding medical history for patient P000015. It includes input fields for Height (182), Weight (88), BP-Systolic (120), Diastolic (90), and pulseRate (80). A "Submit" button is at the bottom.

Patient ID
P000015

Height	182	Weight	88
BP-Systolic	120	Diastolic	90
pulseRate	80		

[Submit](#)

Patient details, where you can update patient details as well as you can add the medical history of the patient.

The screenshot shows a web browser window with the URL `localhost:4200/patients/details/P000015`. The application is titled "OPD App" and has a sidebar with "Patient List" and "New Patient" options. The main page displays patient details in a table and a "Medical History" section.

Patient Id	Name	Email	Phone	Gender	DOB	Address	SSN
P000015	Alexander Lacazette	alexander.lacazette@gmail.com	3127346372	MALE	12/10/1988	London Colony,NorthLondon, London	435-12-8889

[Update](#)

Medical History

Updated on	Height	Weight	Blood Pressure	Pulse Rate
29/01/2021	182	88	120 - 90	80

Updating Patient info, updating email address of the patient from james.garcia@gmail.com to james@gmail.com.
Patient Id and SSN input fields are read only.

OPD App

Patient ID: P000003

First Name: James ✓ Last Name: Garcia ✓

Email: james@gmail.com ✓ Phone: 122-351-6221 ✓

Address: 123, XYZ Street ✓

City: Mumbai ✓ State: Maharashtra ✓

Gender: Male ✓ SSN: 123-45-6915 ✓

Submit

Dialog box is shown, asking for the confirmation for deleting a Patient

OPD App

Search

Patient ID	Name	Email	Phone	Medical History	Details	Update	Delete	Book Appointment
P000009	Timothy Garcia	timothy@gmail.com	2347328191					
P000010	Phineas Triller	p...	123-445-2222					
P000011	Brent Consolas	B...	2384383812					
P000012	Jenna Garcia	jenna.garcia@gmail.com	3217238181					
P000015	Alexander Lacazette	alexander.lacazette@gmail.com	3127346372					
P000017	Gugev Yevgeny	gugev.yevgeny@gmail.com	7838991929					
P000018	Frodo Trigger	frodo.trigger@gmail.com	3211321231					
P000019	David Werner	david.werner@gmail.com	1321311312					

Are you sure want to delete?

Delete Cancel

Booking Appointment. Alert box confirming that appointment is booked.

OpdProject

localhost:4200/appointments/new/P000015

Appointment fixed for Patient Id P000015

OK

Patient Appointment

Appointment

Appointment List

Patient Id P000015 ✓ Specialist G_PHYSICIAN ✓

Doctor Name Radhika Sharma ✓ Doctor Id D000010

Appointment Date 02/19/2021 ✓ Slot Start Time 09:30:00 ✓

Slot End Time 10:00:00 ✓

Submit

List of all Appointments. For some appointments update button is disabled as you cannot update appointment 2 days prior to the appointment date (but you can delete/cancel them). For some appointments update button is disabled as you cannot update or delete appointment whose appointment date is passed.

OpdProject

localhost:4200/appointments/all

OPD App

Patient Appointment

Appointment

Appointment List

Search

Appointment Id	Patient ID	Doctor Name	Appointment Date	Start Time	End Time	Download	Update	Delete
A0000010	P000007	Vinod Patil	27/01/2021	10:30:00	11:00:00			
A0000011	P000003	Yash kumar	26/02/2021	12:30:00	13:00:00			
A0000012	P000010	Vikram Batra	05/02/2021	14:30:00	15:00:00			
A0000013	P000005	Rita Yadav	04/02/2021	14:00:00	14:30:00			
A0000014	P000009	Yash kumar	28/01/2021	09:00:00	09:30:00			
A0000015	P000012	Yash kumar	28/01/2021	09:30:00	10:00:00			
A0000017	P000008	Manish Malhotra	31/01/2021	09:30:00	10:00:00			
A0000018	P000010	Rita Yadav	31/01/2021	09:00:00	09:30:00			

When updating appointment, the user cannot change the doctor. He can only reschedule the appointment

localhost:4200/appointments/update/A00000027

localhost:4200 says
Appointment updated for Patient Id P000015

OK

Appointment

Appointment List

Patient Id: P000015 ✓

Affected Organ: G_PHYSICIAN ✓

Doctor Name: Radhika Sharma ✓

Doctor Id: D000010

Appointment Date: 02/03/2021 ✓

Slot Start Time: 11:30:00 ✓

Slot End Time: 12:00:00 ✓

Submit

We can sort on Doctor name, appointment id, patient Id and appointment date. Here sorting on date (ascending as well as descending) is shown

OPD App

Patient Appointment

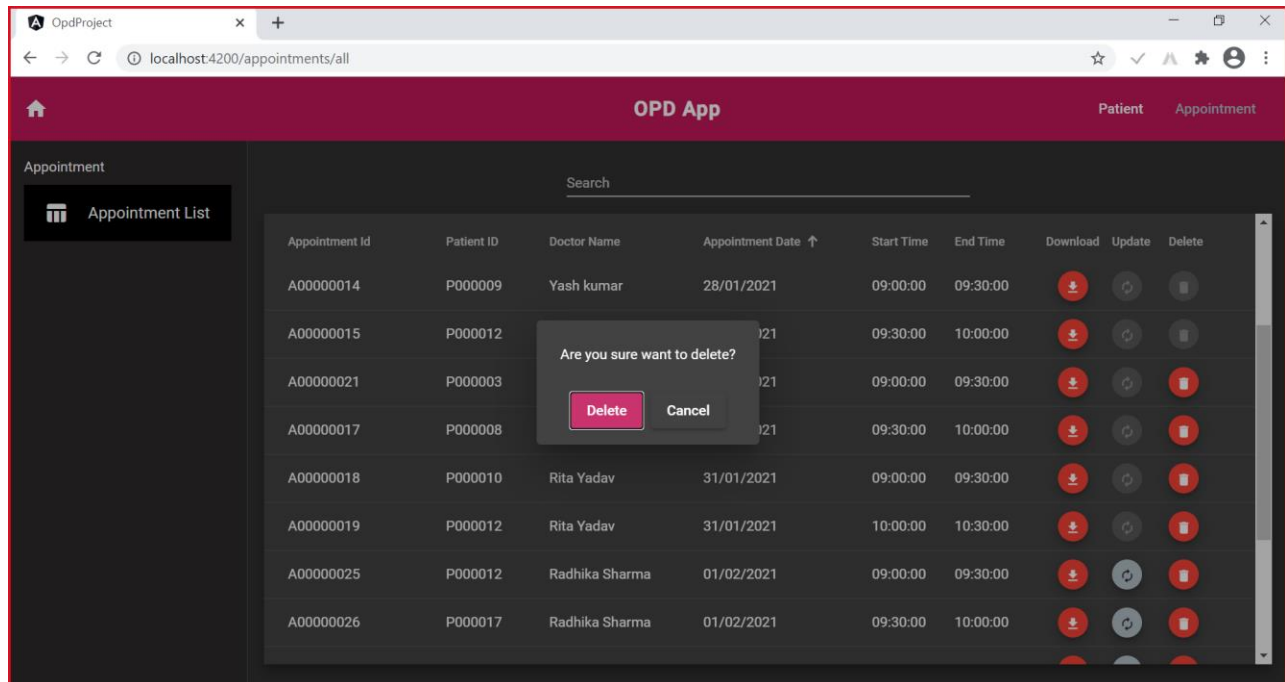
Appointment

Appointment List

Search

Appointment Id	Patient ID	Doctor Name	Appointment Date ↑	Start Time	End Time	Download	Update	Delete
A00000014	P000009	Yash kumar	28/01/2021	09:00:00	09:30:00	Download	Update	Delete
A00000015	P000012	Yash kumar	28/01/2021	09:30:00	10:00:00	Download	Update	Delete
A00000021	P000003	Vikram Batra	30/01/2021	09:00:00	09:30:00	Download	Update	Delete
A00000017	P000008	Manish Malhotra	31/01/2021	09:30:00	10:00:00	Download	Update	Delete
A00000018	P000010	Rita Yadav	31/01/2021	09:00:00	09:30:00	Download	Update	Delete
A00000019	P000012	Rita Yadav	31/01/2021	10:00:00	10:30:00	Download	Update	Delete
A00000025	P000012	Radhika Sharma	01/02/2021	09:00:00	09:30:00	Download	Update	Delete
A00000026	P000017	Radhika Sharma	01/02/2021	09:30:00	10:00:00	Download	Update	Delete

Confirmation dialog when deleting an appointment



Download the pdf report of Appointment

Appointment Report

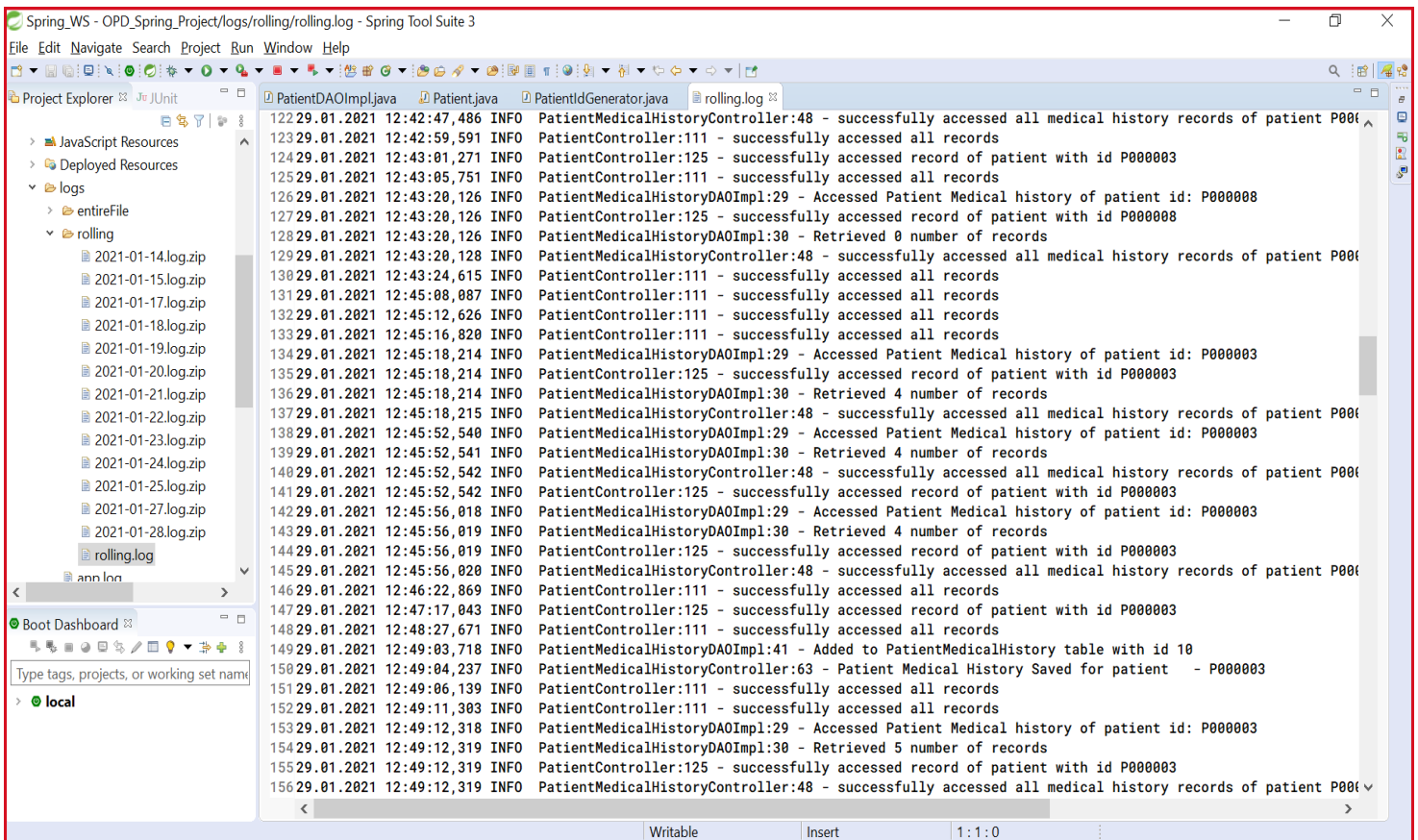
Patient ID - P000012
Patient Name - Jenna Garcia
Age - 28

Appointment Date
31/01/2021

AppointmentId	Doctor Name	Speciality	Slot
A00000019	Rita Yadav	ORTHOPAEDIC	10:00:00 - 10:30:00

Receptionist

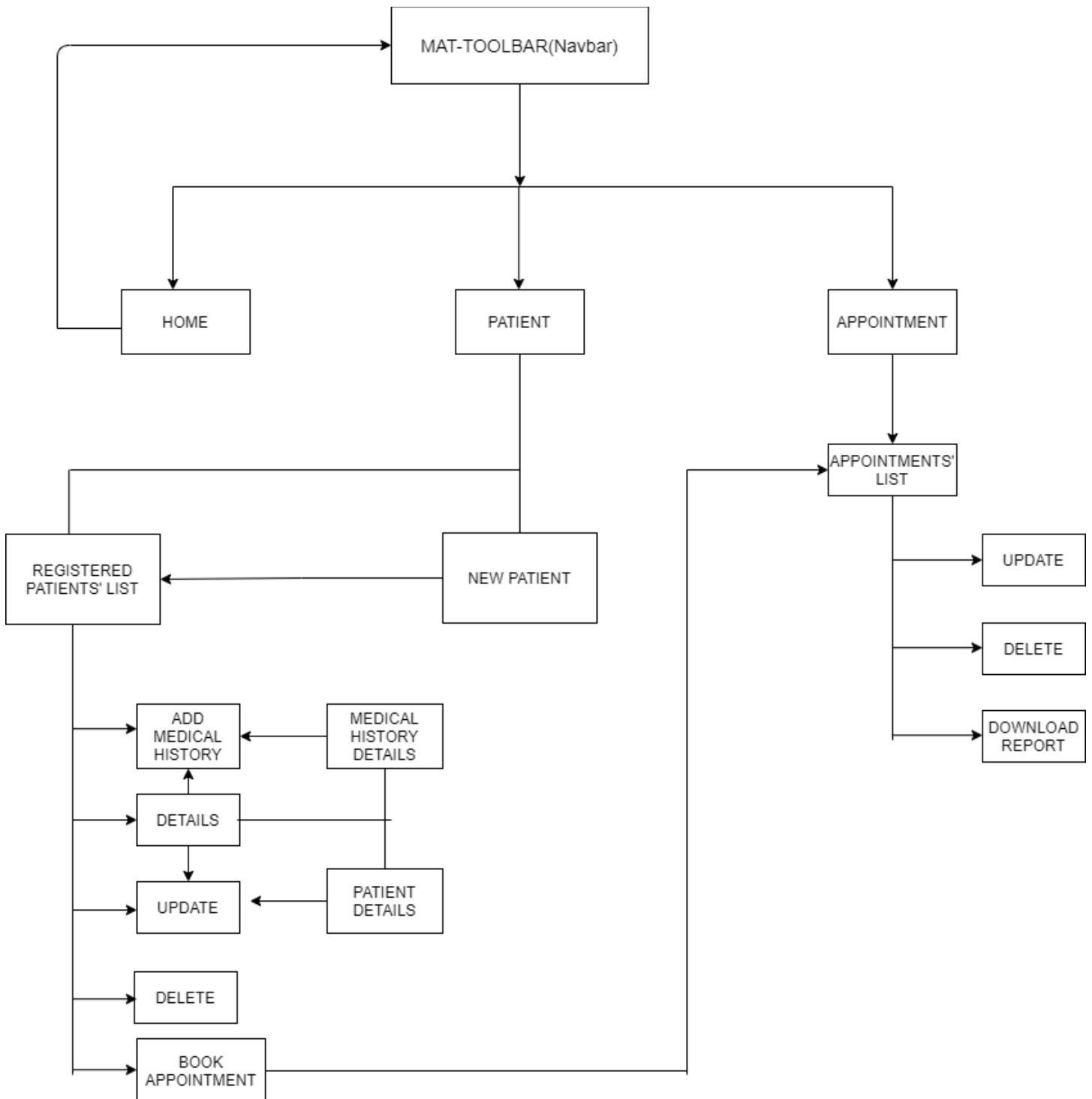
Logs are appended to rolling.log file. Logs of previous days are compressed and saved as (data).log.zip . We have logged Info level logs.



```
Spring_WS - OPD_Spring_Project/logs/rolling/rolling.log - Spring Tool Suite 3
File Edit Navigate Search Project Run Window Help
Project Explorer JS JUnit
> JavaScript Resources
> Deployed Resources
> logs
> entireFile
> rolling
  2021-01-14.log.zip
  2021-01-15.log.zip
  2021-01-17.log.zip
  2021-01-18.log.zip
  2021-01-19.log.zip
  2021-01-20.log.zip
  2021-01-21.log.zip
  2021-01-22.log.zip
  2021-01-23.log.zip
  2021-01-24.log.zip
  2021-01-25.log.zip
  2021-01-27.log.zip
  2021-01-28.log.zip
  rolling.log
  app.log
Boot Dashboard
Type tags, projects, or working set name
> local

122 29.01.2021 12:42:47,486 INFO PatientMedicalHistoryController:48 - successfully accessed all medical history records of patient P000003
123 29.01.2021 12:42:59,591 INFO PatientController:111 - successfully accessed all records
124 29.01.2021 12:43:01,271 INFO PatientController:125 - successfully accessed record of patient with id P000003
125 29.01.2021 12:43:05,751 INFO PatientController:111 - successfully accessed all records
126 29.01.2021 12:43:20,126 INFO PatientMedicalHistoryDAOImpl:29 - Accessed Patient Medical history of patient id: P000008
127 29.01.2021 12:43:20,126 INFO PatientController:125 - successfully accessed record of patient with id P000008
128 29.01.2021 12:43:20,126 INFO PatientMedicalHistoryDAOImpl:30 - Retrieved 0 number of records
129 29.01.2021 12:43:20,128 INFO PatientMedicalHistoryController:48 - successfully accessed all medical history records of patient P000008
130 29.01.2021 12:43:24,615 INFO PatientController:111 - successfully accessed all records
131 29.01.2021 12:45:08,087 INFO PatientController:111 - successfully accessed all records
132 29.01.2021 12:45:12,626 INFO PatientController:111 - successfully accessed all records
133 29.01.2021 12:45:16,820 INFO PatientController:111 - successfully accessed all records
134 29.01.2021 12:45:18,214 INFO PatientMedicalHistoryDAOImpl:29 - Accessed Patient Medical history of patient id: P000003
135 29.01.2021 12:45:18,214 INFO PatientController:125 - successfully accessed record of patient with id P000003
136 29.01.2021 12:45:18,214 INFO PatientMedicalHistoryDAOImpl:30 - Retrieved 4 number of records
137 29.01.2021 12:45:18,215 INFO PatientMedicalHistoryController:48 - successfully accessed all medical history records of patient P000003
138 29.01.2021 12:45:52,540 INFO PatientMedicalHistoryDAOImpl:29 - Accessed Patient Medical history of patient id: P000003
139 29.01.2021 12:45:52,541 INFO PatientMedicalHistoryDAOImpl:30 - Retrieved 4 number of records
140 29.01.2021 12:45:52,542 INFO PatientMedicalHistoryController:48 - successfully accessed all medical history records of patient P000003
141 29.01.2021 12:45:52,542 INFO PatientController:125 - successfully accessed record of patient with id P000003
142 29.01.2021 12:45:56,018 INFO PatientMedicalHistoryDAOImpl:29 - Accessed Patient Medical history of patient id: P000003
143 29.01.2021 12:45:56,019 INFO PatientMedicalHistoryDAOImpl:30 - Retrieved 4 number of records
144 29.01.2021 12:45:56,019 INFO PatientController:125 - successfully accessed record of patient with id P000003
145 29.01.2021 12:45:56,020 INFO PatientMedicalHistoryController:48 - successfully accessed all medical history records of patient P000003
146 29.01.2021 12:46:22,869 INFO PatientController:111 - successfully accessed all records
147 29.01.2021 12:47:17,043 INFO PatientController:125 - successfully accessed record of patient with id P000003
148 29.01.2021 12:48:27,671 INFO PatientController:111 - successfully accessed all records
149 29.01.2021 12:49:03,718 INFO PatientMedicalHistoryDAOImpl:41 - Added to PatientMedicalHistory table with id 10
150 29.01.2021 12:49:04,237 INFO PatientMedicalHistoryController:63 - Patient Medical History Saved for patient - P000003
151 29.01.2021 12:49:06,139 INFO PatientController:111 - successfully accessed all records
152 29.01.2021 12:49:11,303 INFO PatientController:111 - successfully accessed all records
153 29.01.2021 12:49:12,318 INFO PatientMedicalHistoryDAOImpl:29 - Accessed Patient Medical history of patient id: P000003
154 29.01.2021 12:49:12,319 INFO PatientMedicalHistoryDAOImpl:30 - Retrieved 5 number of records
155 29.01.2021 12:49:12,319 INFO PatientController:125 - successfully accessed record of patient with id P000003
156 29.01.2021 12:49:12,319 INFO PatientMedicalHistoryController:48 - successfully accessed all medical history records of patient P000003
```

Flowchart



Database Design

1. Patient Table

Propertie s	PatientId (Primary key)	Address	City	DateOf Birth	Email	FirstName	Gender	LastName	PhoneNumber
Data Type	Varchar(255)	Varchar(255)	Varchar(30)	Date	Varchar(255)	Varchar(30)	Varchar(255)	Varchar(30)	Varchar(255)

SSN	State
Varchar(255)	Varchar(30)

2. Patient History Table

Properties	Id (Primary key)	Diastolic	Height	HistoryUpdatedOn	PatientId	PulseRate	Systolic	Weight
Data Type	int	int	int	datetime2	Varchar(255)	int	int	int

3. Appointment Table

Prope rties	AId	Appointment Id (Primary key)	Patient Id	Affected Organ	Doctor Id	Doctor Name	Appointment Date	StartTime	EndTime	Booking Status
Data Type	int	Varchar(9)	Varchar(255)	Varchar(20)	Varchar(7)	Varchar(50)	date	time	time	bit

4. Doctor Table

Properties	DId	DoctorId (Primary key)	FirstName	LastName	Address	Email	PhoneNumber	City	State
Data Type	int	Varchar(7)	Varchar(20)	Varchar(20)	text	Varchar(50)	Varchar(15)	Varchar(30)	Varchar(30)

DOB	SSN	Speciality
date	char	Varchar(100)

5. Slots Table

Properties	SlotId	StartTime	EndTime
Data Type	int	time	time