

Hospital Management System

Theme:

1. Digital Innovation for Seamless Healthcare Management and Enhancing Patient Care Through Smart Hospital Systems

Epics:

1. Electronic Health Records (EHR) & Patient Data Management.
2. Appointment Scheduling & Doctor Availability Management.

Team:

SOORYANATH S D 231501158 (Team Lead)

LOKESH C 231501086

RAMPRASATH N 231501129

Features:

- Separate Login for patient and doctor
- Patient Access
- Appointment Scheduling
- Doctors Access
- Electronic Health Records

Separate Login for Patient and Doctor:

FEATURE 3

3 Separate login for patient and doctor

SN Soorya Nath 0 Comments Add Tag

State Resolved

Area HOSPITAL MANAGEMENT SYSTEM (SC)

Reason Stories complete

Iteration HOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

The Patient and the Doctors login will be separate and the data of the users will be safe.

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Priority 1

Risk

Effort

Business Value

Time Criticality

Start Date Select a date...

Target Date Select a date...

Classification

Value area Business

Patient Access:

FEATURE 20

20 Patients Access

SN Soorya Nath 0 Comments Add Tag

State Resolved

Area HOSPITAL MANAGEMENT SYSTEM (SC)

Reason Stories complete

Iteration HOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

The patient with their unique email id can login and can book an appointment and check their previous records of the visiting and can view their EHR through the websites.

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Priority 2

Risk

Effort

Business Value

Time Criticality

Start Date Select a date...

Target Date Select a date...

Classification

Value area Business

Appointment Scheduling:

FEATURE 6

6 Appointment Scheduling

SN Soorya Nath

0 Comments Add Tag

State Resolved

Area HOSPITAL MANAGEMENT SYSTEM (SC)

Reason Stories complete

Iteration HOSPITAL MANAGEMENT SYSTEM (SC)\iteration 1

Description

This is about how the appointment of the patient will be mailed to him/her with the check of [7 Doctor Availability check](#) Closed doctors availability and they have their checkup.

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Priority2

Risk

Effort

Business Value

Time Criticality

Start DateSelect a date...

Target DateSelect a date...

Classification

Value areaBusiness

Doctors Access:

FEATURE 15

15 Doctor's Access

RN Ramprasath N

0 Comments Add Tag

State Resolved

Area HOSPITAL MANAGEMENT SYSTEM (SC)

Reason Stories complete

Iteration HOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

The doctor with their unique email id can login and can access the patients appointment request and update the health records of the patient after each consultations. Doctors can also update and change the medicine prescription according to the recovery status of the patient.

Discussion

RN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Priority2

Risk

Effort

Business Value

Time Criticality

Start DateSelect a date...

Target DateSelect a date...

Classification

Value area

Business

4

Electronic Health Records:

The screenshot shows a Jira issue page for 'Electronic Health Records' (Issue ID: 10). The issue is in the 'Resolved' state, assigned to 'LOKESH C', and is part of the 'HOSPITAL MANAGEMENT SYSTEM (SC)' project, specifically 'Iteration 1'. The issue description states: 'Electronic Health Records (EHR) solution enables secure, scalable, and interoperable management of patient data, improving care delivery and outcomes. Seamlessly integrate with healthcare systems while ensuring compliance with industry standards.' The right sidebar contains a 'Planning' section with fields for Priority (3), Risk, Effort, Business Value, Time Criticality, Start Date, and Target Date. The 'Classification' section shows 'Value area' and 'Business'. The bottom section is for 'Discussion' with a comment box and a 'switch to Markdown editor' link.

FEATURE 10

10 Electronic Health Records

LOKESH C 0 Comments Add Tag

State: Resolved Area: HOSPITAL MANAGEMENT SYSTEM (SC)

Reason: Stories complete Iteration: HOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

Electronic Health Records (EHR) solution enables secure, scalable, and interoperable management of patient data, improving care delivery and outcomes. Seamlessly integrate with healthcare systems while ensuring compliance with industry standards.

Discussion

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

[switch to Markdown editor](#)

Planning

Priority
3

Risk

Effort

Business Value

Time Criticality

Start Date
Select a date...

Target Date
Select a date...

Classification

Value area
Business

User Stories:

- Separate Login for patient and doctor
 - Doctor Login
 - Patient Login
- Patient Access
 - Prescription See
 - Records
 - Calendar
- Appointment Scheduling
 - Doctor Availability Check

- Emailing Scheduling Details
- Put an event in the calendar
- Doctor Access
 - Patient Records
 - Analysing Records
 - Prescription
 - Updating Records
 - Calendar
- Electronic Health Records
 - Doctors Access
 - Patient Access
 - Doctors POV

Separate Login for Patient and Doctor:

- Doctor Login:

The screenshot shows a Jira User Story titled "5 Doctor login" by Soorya Nath. The story is in a "Closed" state. The description states: "Each doctor will have a separate login id and can able to access all the details of the patient by just logging into their own id's..". The acceptance criteria are: 1. Doctor id should be very unique and confidential, 2. Passwords should be strong, 3. The website and database of the doctors should be with more security. The planning section shows Story Points, Priority 2, and Risk. The classification section shows Value area and Business. A discussion box at the bottom contains a placeholder for a comment.

USER STORY 5

5 Doctor login

SN Soorya Nath 0 Comments Add Tag

State: Closed Area: HOSPITAL MANAGEMENT SYSTEM (SC)

Reason: Acceptance tests pass Iteration: HOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

Each doctor will have a separate login id and can able to access all the details of the patient by just logging into their own id's..

Acceptance Criteria

1. Doctor id should be very unique and confidential
2. Passwords should be strong
3. The website and database of the doctors should be with more security

Planning

Story Points

Priority: 2

Risk

Classification

Value area

Business

Discussion

SN Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

[switch to Markdown editor](#)

- Patient Login:

USER STORY 4

4 Patient login

RN Ramprasath N

0 Comments Add Tag

State Closed

Area HOSPITAL MANAGEMENT SYSTEM (SC)

Reason Acceptance tests pass

Iteration HOSPITAL MANAGEMENT SYSTEM (SC)Iteration 1

Description

The Patient will have the separate Patient id so they can be easily login without any issues.

Acceptance Criteria

1. The Id need to be unique

2. The password need to be match

3. The details should be specific

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Story Points

Priority

2

Risk

Classification

Value area

Business

Patient Access:

Prescription See

USER STORY 21

21 Prescription See

SN Soorya Nath 0 Comments Add Tag

State Closed

Area HOSPITAL MANAGEMENT SYSTEM (SC)

Reason Acceptance tests pass

Iteration HOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

The patient need to get access to the prescription given by the doctor.

Acceptance Criteria

1. They need to be an patient
2. Also they need to go to the doctor already

Discussion

SN Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Story Points

Priority 2

Risk

Classification

Value area

Business

8

- Records

USER STORY 22

22 Records

SN Soorya Nath0 CommentsAdd Tag

StateClosed

ReasonAcceptance tests pass

AreaHOSPITAL MANAGEMENT SYSTEM (SC)

IterationHOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

Making patients to see their records updated by the doctor

Acceptance Criteria

1. They need to be in the patient login.

2. They have to be consulted atleast once to their mentioned doctor to get the previous records.

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Story Points

Priority2

Risk

Classification

Value area

Business

9

- Calendar

USER STORY 23

23 Calendar

SN Soorya Nath

0 Comments

Add Tag

State

Closed

Area

HOSPITAL MANAGEMENT SYSTEM (SC)

Reason

Acceptance tests pass

Iteration

HOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

As a patient I want to see the calendar with the appointed date

Acceptance Criteria

1. They need to be an patient
2. They need to be applied for the appointment

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Story Points

Priority

2

Risk

Classification

Value area

Business

Appointment Scheduling

- Doctor Availability Check

USER STORY 7

7 Doctor Availability check

RN

Ramprasath N

0 Comments

Add Tag

State

Closed

Area

HOSPITAL MANAGEMENT SYSTEM (SC)

Reason

Acceptance tests pass

Iteration

HOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

Patients can check a doctor's availability before booking an appointment.

Acceptance Criteria

1.The system should display the doctor's available slots in a calendar or time slot format.

2.The user can search for a doctor by name, specialty, or location.

3.If a slot is booked, the system should update availability in real time.

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Story Points

Priority

2

Risk

Classification

Value area

Business

- Emailing Scheduling Details

USER STORY 8

8 Emailing Scheduling Details

SN

Soorya Nath

0 Comments

Add Tag

State

Closed

Area

HOSPITAL MANAGEMENT SYSTEM (SC)

Reason

Acceptance tests pass

Iteration

HOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

Emailing scheduling details refers to the automated process of sending appointment-related notifications and reminders to patients, doctors, and hospital staff via email.

Acceptance Criteria

1. The doctor should have a unique Email ID.

2. The patient should have an unique Email ID.

3. Hospital management can access both these email id's and according to the preferences of both the doctor and the patient the dates and further appointment or consulting arrangements are made.

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Story Points

Priority

2

Risk

Classification

Value area

Business

- Put an Event in the Calendar

USER STORY 9

9 Put a Event in the Calender

SN Soorya Nath

0 Comments Add Tag

State Closed

Area HOSPITAL MANAGEMENT SYSTEM (SC)

Reason Acceptance tests pass

Iteration HOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

Event scheduling refers to adding an event to the calendar ensures smooth scheduling and coordination of hospital activities. This feature helps in managing doctor appointments, staff meetings, surgeries, medical procedures, and other hospital-related events efficiently.

Acceptance Criteria

1. This requires in the event booking state .'

2. The patient can check the doctors availability dates and can book an appointment accordingly.

3. The doctor will get an notification requesting for appointments and he can decline/accept the request from the patient.

4. If the appointment is booked the date is marked in the automated calendar that is loaded in the website.

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

Planning

Story Points

Priority2

Risk

Classification

Value area

Business

Doctor Access

12

- Patient Records

USER STORY 16

16 Patient's Records

RN

Ramprasath N

0 Comments

Add Tag

State

Closed

Area

HOSPITAL MANAGEMENT SYSTEM (SC)

Reason

Acceptance tests pass

Iteration

HOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

As a doctor I need to update the records of my patient.

Acceptance Criteria

1. They need to be an doctor
2. they need to have patient

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Story Points

Priority

2

Risk

Classification

Value area

Business

- Analysing Records

USER STORY 17

17 Analysing Records

RN Ramprasath N

0 Comments Add Tag

State Closed

Area HOSPITAL MANAGEMENT SYSTEM (SC)

Reason Acceptance tests pass

Iteration HOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

As a doctor I need to analyze the records of the patient

Acceptance Criteria

1. They need to be an doctor

2. They already need the patient record

16 Patient's Records

Closed

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Story Points

Priority

2

Risk

Classification

Value area

Business

- Prescription

USER STORY 18

18 Prescription

RN Ramprasath N

0 Comments Add Tag

State Closed

Area HOSPITAL MANAGEMENT SYSTEM (SC)

Reason Acceptance tests pass

Iteration HOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

As a doctor I need to give prescription to my patients

Acceptance Criteria

1. He/she need to be an doctor

2. They already need to treat a patient

3. They

17 Analyzing Records

Closed

and give prescription

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Story Points

Priority2

Risk

Classification

Value area

Business

- Updating Records

USER STORY 19

19 Updating Records

RN Ramprasath N

0 Comments Add Tag

State Closed

Area HOSPITAL MANAGEMENT SYSTEM (SC)

Reason Acceptance tests pass

Iteration HOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

As a doctor I need to update record of my patient

Acceptance Criteria

1. He/ She need to be a doctor 5 Doctor login

Closed

2. They need to treat a patient

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Story Points

Priority 2

Risk

Classification

Value area

Business

- Calendar

USER STORY 24

24 Calendar

RN Ramprasath N

0 Comments Add Tag

State Closed

Area HOSPITAL MANAGEMENT SYSTEM (SC)

Reason Acceptance tests pass

Iteration HOSPITAL MANAGEMENT SYSTEM (SC)Iteration 1

Description

As a doctor I need to see who are all my patients in the day and in which time

Acceptance Criteria

1. They need to be an doctor

2. The system need to assign him/her for some patients according to the availability. [9 Put a Event in the Calendar](#)

Closed

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Story Points

Priority 2

Risk

Classification

Value area

Business

Electronic Health Records:

- Doctors Access

USER STORY 11

11 Doctor's Access

LOKESH C

0 Comments Add Tag

State Closed

Area HOSPITAL MANAGEMENT SYSTEM (SC)

Reason Acceptance tests pass

Iteration HOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

Doctors can access and manage the patient Electronic Health Records and their appointments.

Acceptance Criteria

1.Doctors can securely log in to access patient EHRs and Doctors can view past diagnoses, treatments, medications, allergies, and lab results.

2.Doctors can search for patient records by name, ID, or medical condition and also EHRs are linked to scheduled patient appointments for easy access.

3.Updates to the EHR are instantly reflected for other authorized healthcare professionals.

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Story Points

Priority 2

Risk

Classification

Value area

Business

- Patient Access

USER STORY 12

12 Patient's Access

LOKESH C

0 Comments

Add Tag

State

Closed

Area

HOSPITAL MANAGEMENT SYSTEM (SC)

Reason

Acceptance tests pass

Iteration

HOSPITAL MANAGEMENT SYSTEM (SC)\iteration 1

Description

Patients can securely access and manage their Electronic Health Records (EHR).

Acceptance Criteria

1. Patients can see past diagnoses, treatments, and chronic conditions. Timeline-based view for easy navigation.

2. Patients can check current and past prescriptions, including dosage and refill status. Refill reminders are sent for ongoing medications.

3. Patients can set up emergency contact access for healthcare providers in urgent situations. Notifications for critical lab results or urgent follow-up needs.

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Story Points

Priority

2

Risk

Classification

Value area

Business

- Doctors POV

USER STORY 13

13 Doctor's POV

LC LOKESH C

0 Comments

Add Tag

State

Closed

Area

HOSPITAL MANAGEMENT SYSTEM (SC)

Reason

Acceptance tests pass

Iteration

HOSPITAL MANAGEMENT SYSTEM (SC)\Iteration 1

Description

Doctors can securely access and manage patient Electronic Health Records (EHR).so that doctors can provide accurate diagnoses and personalized treatment plans.

Acceptance Criteria

1.Doctors can see past diagnoses, treatments, medications, allergies, and surgical history.Information is presented in an easy-to-navigate timeline.
2.Doctors can prescribe medications and view past prescriptions.System suggests dosage recommendations based on medical history.
3.System flags high-risk conditions (e.g., allergies, chronic conditions) for quick identification.Doctors receive notifications for urgent updates (e.g., abnormal lab results).

Discussion

SN

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Story Points

Priority

2

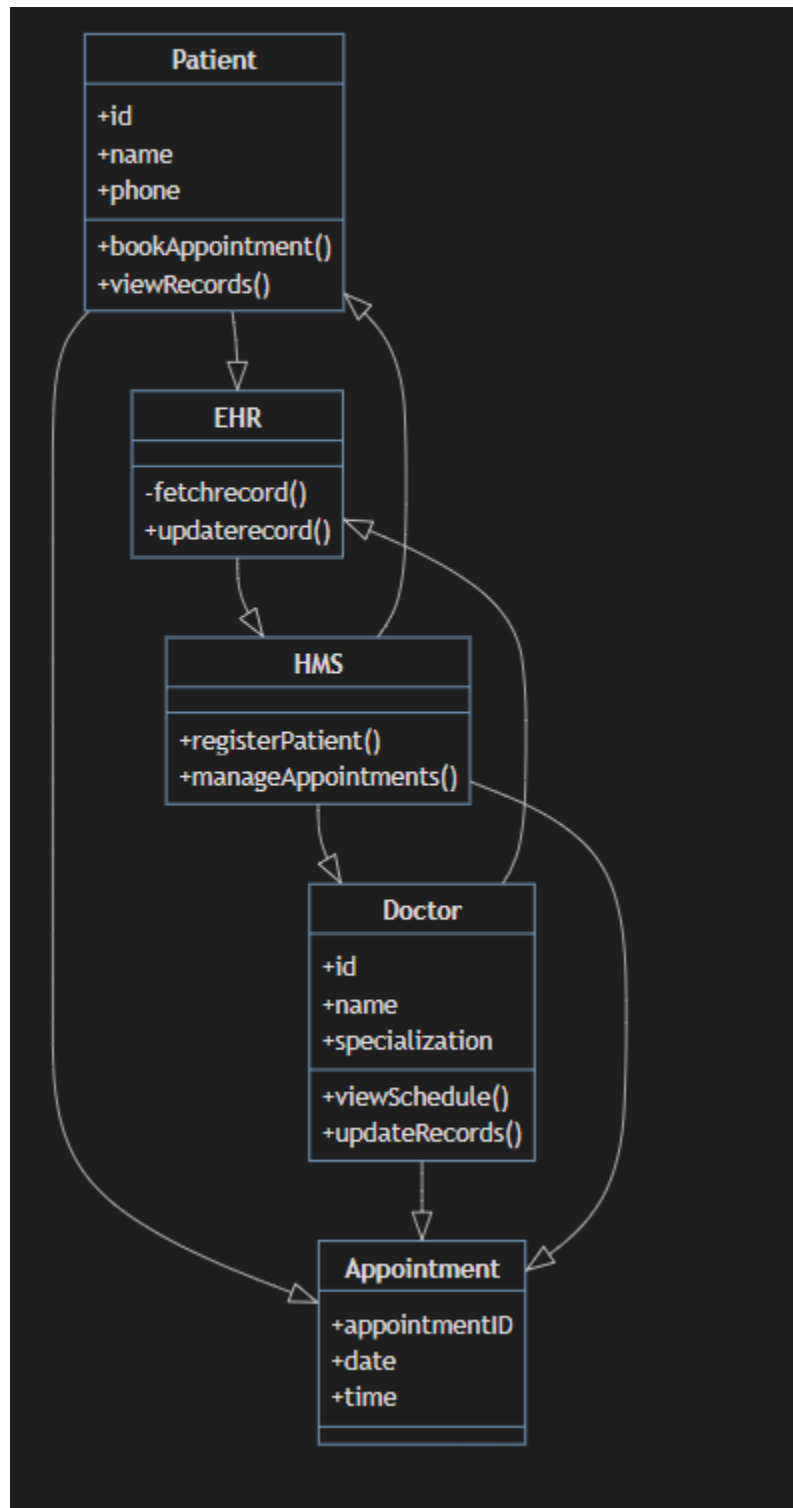
Risk

Classification

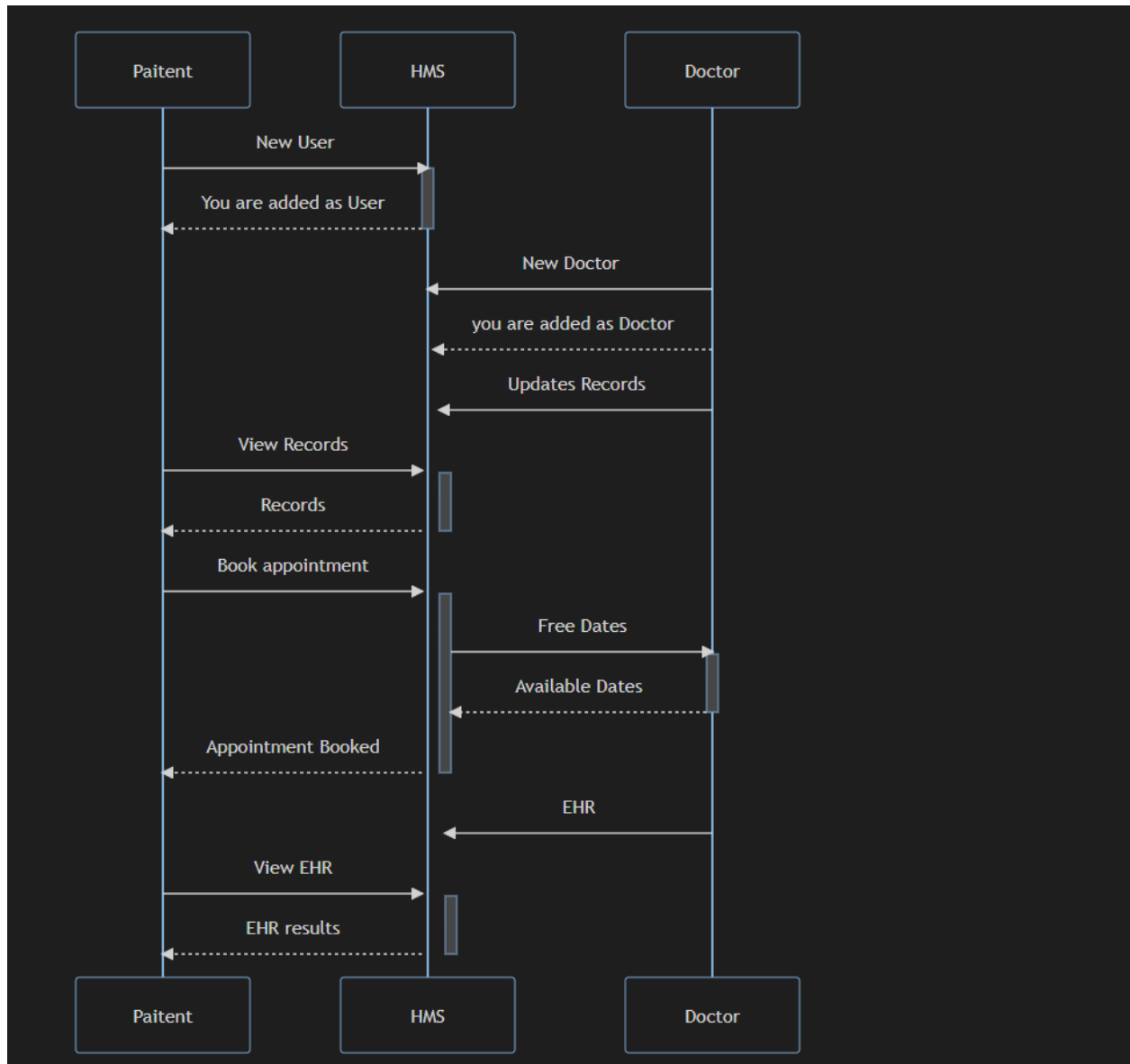
Value area

Business

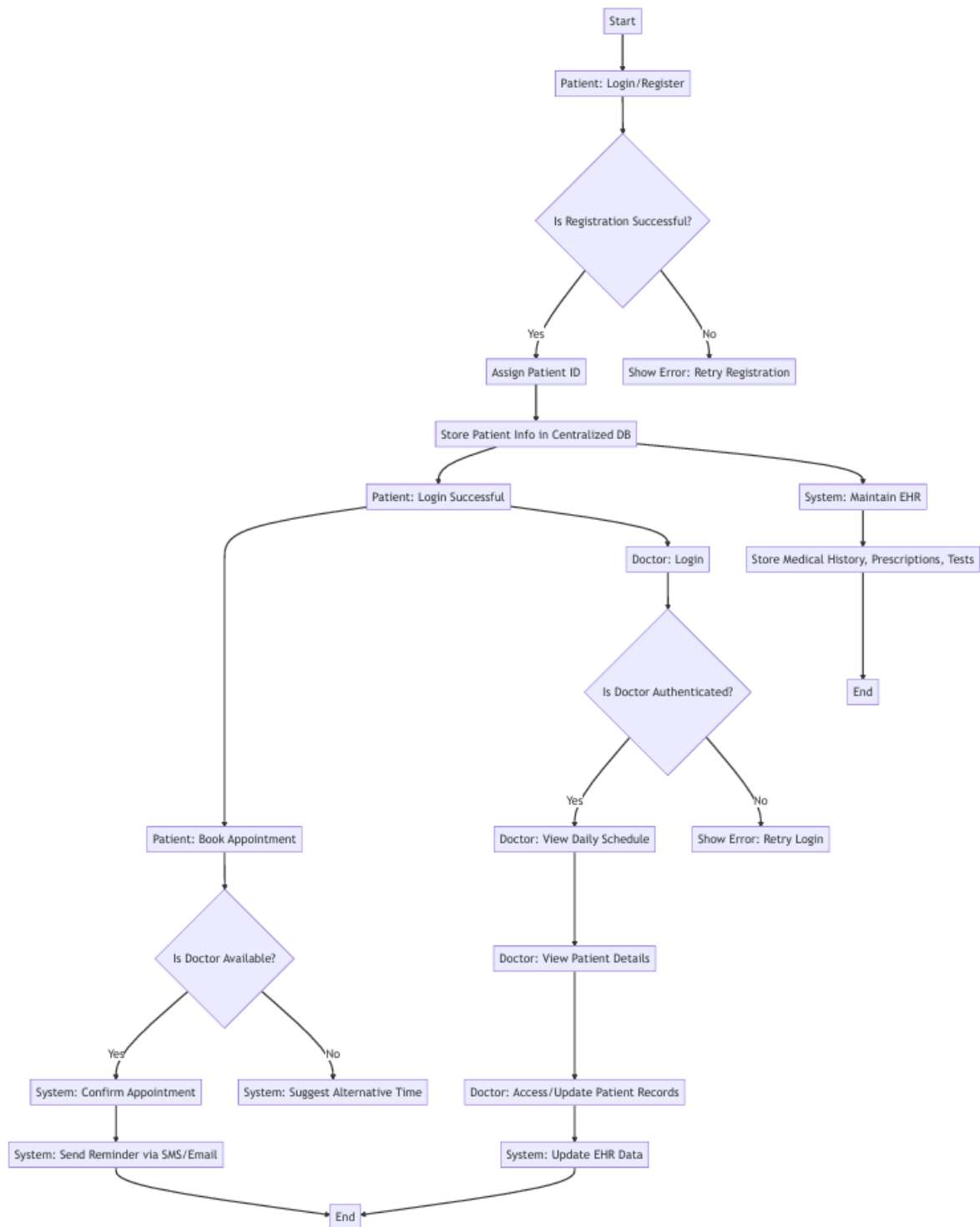
Class Diagram:



Sequence Diagram:



Activity Diagram:



Use Case Diagram:

