

# Screen Design

DB Project

Case1: Give admin privileges

Menu

Things you can do

Rooms

Inventory

Symptom

Add admin



Admin view

Enter Name:

xyz...

xyz1

xyz2

OR

Enter person\_id

Make admin

Menu

Things you can do

Rooms

Inventory

Symptom

Add admin



Admin view

Enter Name:

xyz...

xyz1

Enter

You are not authorised to view  
person's info. Mail sent to the  
same for confirmation. Proceed  
after that

Make admin

Case3: View/Modify personal info

# Welcome to DB Hospital

---

|      |       |      |
|------|-------|------|
| Home | About | Info |
|------|-------|------|

Home >> View profile >> Edit

Name:

address

pincode

contact:   
(10 digit only)

gender

Qualification

date-of-birth

email id

username

password   
(must include alphabet and numeral)

Confirm

Case18: Register as a person

## Welcome to DB Hospital

|      |       |      |
|------|-------|------|
| Home | About | Info |
|------|-------|------|

Name:

address

pincode

contact:  
(10 digit only)

gender

Qualification

date-of-birth

email id

username

password   
(must include alphabet  
and numeral)

[Sign-Up](#)

Already an user?

[Login](#)



Case 4,5: Book/cancel  
appointment plus follow-ups







|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> Appointments

Select Reason / Problem (optional)

Select date (optional)



| Doctor | Time         | Reason | Prescription  | Amount Paid |   |   |
|--------|--------------|--------|---|-------------|---|---|
| Dr. A  | d1/m1/y1, T1 | Foo    |  | Rs. --      |   |  |
| Dr. X  | d2/m2/y2, T2 | Bla    |  | Rs. --      |   |  |
| ...    |              |        |  | -           |  |   |

Book a follow-up

Book a new appointment

View  
prescription

Cancel an  
appointment (shown  
only for future  
appointments)

|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> Appointments >> Upcoming

Select Reason / Problem (optional)

Select date (optional)



| Doctor | Time         | Reason | Prescription | Amount Paid |   |
|--------|--------------|--------|--------------|-------------|---|
| Dr. A  | d1/m1/y1, T1 | Foo    |              | Rs. --      | ✕ |
| Dr. X  | d2/m2/y2, T2 | Bla    |              | Rs. --      | ✕ |
| ...    |              |        |              | Rs. --      | ✕ |

Book a new appointment

View prescription of  
prev. appointments  
related to the follow-up

Cancel an  
appointment /  
follow-up

|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> Appointments >> Book a new appointment

Select Speciality / Problem

Select date



|       |              |          |              |               |     |
|-------|--------------|----------|--------------|---------------|-----|
| Dr. A | Cardiologist | 9-9:30am | 9:30-10:00am | 10:00-10:30am | ... |
| Dr. B | Neurologist  | 9-9:30am | 9:30-10:00am | 10:00-10:30am | ... |
| Dr. C | Optician     | 9-9:30am | 9:30-10:00am | 10:00-10:30am | ... |
| ...   | ...          |          |              |               |     |

White slots indicate  
doctor is available, grey  
indicates doctor is busy.

|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> Appointments >> Book a follow-up

Select date



|       |              |
|-------|--------------|
| Dr. A | Cardiologist |
|-------|--------------|

|              |  |  |
|--------------|--|--|
| 9:00-9:30 am |  |  |
| 9:30-10:00am |  |  |
| ...          |  |  |

White slots indicate  
doctor is available, grey  
indicates doctor is busy.

|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> Appointments >> Cancel

Select Speciality / Problem

Select date



|       |          |              |               |     |     |
|-------|----------|--------------|---------------|-----|-----|
| Dr. A | 9-9:30am | 9:30-10:00am | 10:00-10:30am | ... | ... |
| Dr. B | 9-9:30am | 9:30-10:00am | 10:00-10:30am | ... | ... |
| Dr. C | 9-9:30am | 9:30-10:00am | 10:00-10:30am | ... | ... |
| ...   |          |              |               |     |     |

White slots indicate  
doctor is available, grey  
indicates doctor is busy.

[Home](#)[About](#)[Appointments](#)[History](#)[Bills](#)[...](#)

Home >> Appointments >> Cancel



| Doctor | Time     |  | Amount Paid |  |  |
|--------|----------|--|-------------|--|--|
| Dr. A  | d1/m1/y1 | Do you want to cancel your appointment with Dr. xyz scheduled on d1/m1/y1, T1?<br>Yes No | Rs. --      |  |  |
| Dr. X  | d2/m2/y1 |  | Rs. --      |  |  |
| ...    |          |  | -           |  |  |

Book a follow-up

View  
prescription

Cancel an  
appointment (shown  
only for future  
appointments)

## Case6: Book/Cancel tests



|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> Tests >> Book a new test

Select test (e.g. blood test)

Select date

Confirm booking

[Home](#)[About](#)[Appointments](#)[History](#)[Bills](#)[...](#)

Home >> Tests



| Test  | Time         | Comments | Results              | Amount Paid |   |
|-------|--------------|----------|----------------------|-------------|---|
| Blood | d1/m1/y1, T1 | Foo      | <input type="text"/> | Rs. --      |   |
| Sugar | d2/m2/y2, T2 | Bla      | <input type="text"/> | Rs. --      |   |
| ...   |              |          |                      | -           |  |

View results

Cancel a test (shown  
only for future  
appointments)

|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> Tests >> Upcoming

Select test (optional)

Select date (optional)



| Test  | Time         |   |
|-------|--------------|---|
| Blood | d1/m1/y1, T1 | ✕ |
| Sugar | d2/m2/y2, T2 | ✕ |
| ...   |              |   |

Book a new test

[Home](#)[About](#)[Appointments](#)[History](#)[Bills](#)[...](#)

Home >> Tests >> Upcoming >> Cancel



| Test  | Time     |   |
|-------|----------|---|
| Blood | d1/m1/y1 | <div>Do you want to cancel your test scheduled on d1/m1/y1, T1?</div> <div>Yes No</div> |
| Sugar | d2/m2/y1 |   |
| ...   |          |   |
|       |          |   |

Case13: Register/remove Doctor/ support staff, modify salary, charges etc

|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> Manage >> Doctors

Select name / speciality / qualification

Select salary



| Doctor | Speciality | Qualification | Salary | Charges |  |  |
|--------|------------|---------------|--------|---------|--|--|
| Dr. A  | Bla        | Foo           | Rs. -- | Rs. --  |  |  |
| Dr. X  | Foo        | Bla           | Rs. -- | Rs. --  |  |  |
| ...    |            |               | Rs. -- | Rs. --  |  |  |



|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> Manage >> Doctors >> Remove

Select name / speciality / qualification

Select salary



| Doctor | Speciality | Charges |  |  |
|--------|------------|---------|--|--|
| Dr. A  | Bla        | Rs. --  |  |  |
| Dr. X  | Foo        | Rs. --  |  |  |
| ...    |            | Rs. --  |  |  |

Do you want to remove Dr. A?

Yes No

|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> Manage >> Doctors >> Update

Select name / speciality / qualification

Select salary



| Doctor | Speciality | Charges |  |  |
|--------|------------|---------|--|--|
| Dr. A  | Bla        | Rs. --  |  |  |
| Dr. X  | Foo        | Rs. --  |  |  |
| ...    |            | Rs. --  |  |  |

Do you want to update Dr. A's info to the new values entered?







Yes No



[Home](#)[About](#)[Appointments](#)[History](#)[Bills](#)[...](#)

Home >> Manage >> Support staff



| Name   | Duration | Qualification | Salary | Days of week |   |   |
|--------|----------|---------------|--------|--------------|---|---|
| Mr. A  | Bla      | Foo           | Rs. -- | Rs. --       |  |  |
| Mrs. X | Foo      | Bla           | Rs. -- | Rs. --       |  |  |
| ...    |          |               | Rs. -- | Rs. --       |  |  |

[Home](#)[About](#)[Appointments](#)[History](#)[Bills](#)[...](#)

Home >> Manage >> Support staff >> Remove



| Name   | Duration |   |  |        | of week |  |  |
|--------|----------|---|--|--------|---------|--|--|
| Mr. A  | Bla      | <div>Do you want to remove Mr. A?</div> <div>Yes No</div> |  |        |         |  |  |
| Mrs. X | Foo      |   |  |        |         |  |  |
| ...    |          |   |  |        |         |  |  |
|        |          |   |  | Rs. -- | Rs. --  |  |  |

[Home](#)[About](#)[Appointments](#)[History](#)[Bills](#)[...](#)

Home >> Manage >> Support staff >> Update



| Name   | Duration |  |  |        | of week |  |  |
|--------|----------|--|--|--------|---------|--|--|
| Mr. A  | Bla      | <div>Do you want to update Mr. A's info to the new values entered?</div> <div>Yes No</div> |  |        |         |  |  |
| Mrs. X | Foo      |  |  |        |         |  |  |
| ...    |          |  |  |        |         |  |  |
|        |          |  |  | Rs. -- | Rs. --  |  |  |

## Case 23: Bill generation

|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> New Bill

Select bill type

Buying medicines

Taking test

Appointment

|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> New Bill >> Meds

| Sr No. | Medicine | Quantity | Price  |
|--------|----------|----------|--------|
| 1.     | A        | P        | Rs. -- |
| 2.     | B        | Q        | Rs. -- |
| ...    |          |          |        |

Generate bill

|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> New Bill >> Test

Select test

Generate bill

|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> New Bill >> Appointment

Select doctor

Generate bill



Case8: Add a new disease

Menu

Things you can do

Disease



Symptom

Slots

Doctor view

## Diseases

| Sr.No | Name         | Information Link  |
|-------|--------------|---|
| 1     | Malaria      | <a href="#">Malaria</a>   |
| 2     | Tuberculosis | <a href="https://en.wikipedia.org/wiki/Tuberculosis">https://en.wikipedia.org/wiki/Tuberculosis</a> |
| 3     | Smallpox     | <a href="https://en.wikipedia.org/wiki/Smallpox">https://en.wikipedia.org/wiki/Smallpox</a>         |

Add new disease

Pop up

### Add a disease to the database

Disease name

Information link

Submit

## Case 9: Add a new Symptom

Menu

Things you can do

Disease

Symptom



Slots

Doctor view

Symptoms

| Sr.no | Name   |
|-------|--------|
| 1     | Chills |
| 2     | Cough  |

Add new symptom



Add a symptom to the  
database

Name

Submit

## Case12: Decide Slot

Menu

Things you can do

Disease

Symptom

Slots



Doctor view

| Date/start time | 9:00 AM | 9:30 AM | 10:00 AM | ... |
|-----------------|---------|---------|----------|-----|
| 2020-01-01      |         |         |          | ... |
| 2020-01-02      |         |         |          | ... |
| 2020-01-03      |         |         |          | ... |
| 2020-01-04      |         |         |          | ... |
| 2020-01-05      |         |         |          | ... |
| 2020-01-06      |         |         |          | ... |
| 2020-01-07      |         |         |          | ... |

Menu

Things you can do

Disease

Symptom

Slots



Doctor view

| Date/start time | 9:00 AM | 9:30 AM | 10:00 AM | ... |
|-----------------|---------|---------|----------|-----|
| 2020-01-01      |         |         |          | ... |
| 2020-01-02      |         |         |          | ... |
| 2020-01-03      |         |         |          | ... |
|                 |         |         |          | ... |
|                 |         |         |          | ... |
|                 |         |         |          | ... |
|                 |         |         |          | ... |
|                 |         |         |          | ... |

You have chosen to remove a slot from this week's timetable. An appointment is scheduled in that slot. Are you sure you want to cancel the chosen slot: (dat, start\_time)

Yes

No

Clicks here

Menu

Things you can do

Disease

Symptom

Slots



Doctor view

| Date/start time | 9:00 AM | 9:30 AM | 10:00 AM | ... |
|-----------------|---------|---------|----------|-----|
| 2020-01-01      |         |         |          | ... |
| 2020-01-02      |         |         |          | ... |
| 2020-01-03      |         |         |          | ... |
|                 |         |         |          | ... |
|                 |         |         |          | ... |
|                 |         |         |          | ... |
|                 |         |         |          | ... |
|                 |         |         |          | ... |

You have chosen to remove a slot from this week's timetable. It is a free slot. Are you sure you want to cancel the chosen slot: (dat, start\_time)

Yes

No

Clicks here



Menu

Things you can do

Disease

Symptom

Slots



Doctor view

| Date/start time | 9:00 AM | 9:30 AM | 10:00 AM | ... |
|-----------------|---------|---------|----------|-----|
| 2020-01-01      |         |         |          | ... |
| 2020-01-02      |         |         |          | ... |
| 2020-01-03      |         |         |          | ... |
| 2020-01-04      |         |         |          | ... |
|                 |         |         |          | ... |
|                 |         |         |          | ... |
|                 |         |         |          | ... |
|                 |         |         |          | ... |

You have chosen to add a slot to this week's timetable. Are you sure you want to add the chosen slot: (dat, start\_time)

Yes

No

Clicks here

Case11: Add room for appointment

## Things you can do

Rooms 

Inventory

Symptom

Admin view

Selection box, shows available (free)  
rooms only

| Doc id | Doc name | Date     | Start_time | Room_no |
|--------|----------|----------|------------|---------|
| 4      | PVS      | 2020-1-1 | 10:00      | 1001    |
|        |          | 2020-1-2 | 10:00      | 1003    |
|        |          | 2020-1-4 | 10:30      | 1005    |

Enter new  
room id

then

You have chosen to modify the room number of  
the (doc\_id, dat, start\_time) tuple. Are you sure?

Yes

No

Clicks here

## Case 16: Update Inventory

Menu

Things you can do

Rooms

Inventory



Admin view

Beds

Selection box, shows types of goods  
(beds, rooms, equipment, medicine)

| Bed no | Type | Charges (Rs/hr) |
|--------|------|-----------------|
| 21     | Long | 200             |
| 22     | High | 160             |
| 23     | Long | 250             |

Clicks here

Add new bed

Enter new  
charges

Submit

Are you sure message

## Case 22: Disease-vs-Area

|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> Analysis >> Disease-vs-Area

Select pincode (optional)

Lower bound on number  
of cases (optional)



| Disease   | Cases (last week) | ... |
|-----------|-------------------|-----|
| Flu       | 40                |     |
| Diarrhoea | 10                |     |
| ...       |                   |     |

Check



|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> Analysis >> Disease-vs-Area

Select pincode (optional)

Lower bound on number  
of cases (optional)



| Disease   | Cases(last month) | ... |
|-----------|-------------------|-----|
| Flu       | 30                |     |
| Diarrhoea | 10                |     |
| ...       |                   |     |

Back





## Case21: Disease-Symptom

|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> Analysis >> Disease-Symptoms

Select disease



| Disease   | Precautions | ... |
|-----------|-------------|-----|
| Flu       | ...         |     |
| Diarrhoea | ...         |     |
| ...       | ...         |     |

Go



|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> Analysis >> Disease-Symptoms

Common Symptoms of  
Common Flu are:

- High temperature of body
- Running nose
- Body pain

Back



## Case20: Payment

|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> Bills >> Clear dues

| Bill No. | Date     | Reason                      | Amount  | Select                |
|----------|----------|-----------------------------|---------|-----------------------|
| 13242    | d1/m1/y1 | Blood Test                  | Rs. --- | <input type="radio"/> |
| 13246    | d2/m2/y2 | Appointment<br>with Dr. xyz | Rs. --- | <input type="radio"/> |
| ...      |          |                             |         |                       |

Pay Now

## Case19: View generic info

|      |       |              |         |       |     |
|------|-------|--------------|---------|-------|-----|
| Home | About | Appointments | History | Bills | ... |
|------|-------|--------------|---------|-------|-----|

Home >> About

| Speciality | Doctor  | Qualfication |
|------------|---------|--------------|
| Cardiology | Dr. xyz | MS, MBBS     |
| Neurology  | Dr. abc | MBBS         |
| ...        |         |              |

| Type     | Staff |
|----------|-------|
| Nurse    | 30    |
| Ward boy | 25    |
| ...      | ...   |

Facilities: OPD, Surgery, ...

| Bed type | Available |
|----------|-----------|
| Normal   | 30        |
| ICU      | 12        |

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