HELTHCARE MANAGEMENT SYSTEM

LIST OF SIMILAR RPODUCTS:

|  |  |  |
| --- | --- | --- |
| PRODUCT NAME | FEATURES | URL |
| HealthSoft | Doctor panel, patient tracking, analytics | https://www.healthsoft.com |

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**CONTRIBUTION:**

Table Normalization

Form design

Connecting to the database

Reports

Schema design

sites.google.com

Portfolio

Github(https://github.com/kaarunyaAS)

Leedcode

Doctor\_details(master table)

Doctor\_id(primary key)

Prescription

Bill

Appointment\_list

Patient\_details(transaction table)

Patient\_id(primary key)

Doctor\_id(foreign key)

Appoinment

Report

Report(transaction table)

Patient\_id(foreign key)

Total patient

Appointment date

Bill generation

Doctors on duty

Create table Doctor\_details()

Insert table Doctor\_details()

Create view()

Keywords Column:

Relation - doctor\_details ,

attribute - doctor\_id ,

domin - doctor\_id(d0) ,

Tuple

**Database normalization**

1NF,2NF,3NF,4NF

Doctor\_details

1NF:

My table is a 1NF because it has a primary key named doctor\_id

2NF:

My table is a 2NF because it has a primary key named (doctor\_id),all other column are depend on primary key

3NF:

Should be in 2NF,no transitive partial dependency

Eg: student\_id,name,job\_id, job\_name,state\_id,state\_name

927623bad047,kaarunya,j\_0147,programmer,9204,salem

1NF - Student\_id,student\_name

2NF

Table 1(Student\_roll\_table):

student\_id,

job\_id,

Table 2(student\_info\_table) :

student\_id,

Student\_name,

state\_id,

Table 3(job table):

Job\_id

Job\_name

Table4(state table):

state\_id,

state\_name

Frontend(html,css,react js,tailwin css,flask,android,flutter)

Backend(py,mysql,flask,oracle,mongoDB,json,sql light,firebase)

Editor(vscode)

Server

Framework(flask,nodejs)

Language(python)

XML(unit-5)

Eg:

Table(tag) -parent tag

Column name - separate with comma

<XML>

<Student\_Infro>

<Roll\_no>47</Roll>

<Name>kaarunya</Name>

<Age>19</Age>

</Student\_Infro>

</XML>

My table in XML:

<XML>

<Doctor\_details>

<Doctor\_id>47</Doctor\_id>

<Doctor\_name>Arun<Doctor\_name>

<phone\_number>9258762162</phone\_number>

</Doctor\_detail>

</XML>

**DTD(cont’d)**

<XML>

<Doctor\_details>

<Doctor\_id>d001</Doctor\_id>

<Doctor\_name>Arun<Doctor\_name>

<phone\_number>9258762162</phone\_number>

</Doctor\_detail>

<Doctor\_details>

<Doctor\_id>d002</Doctor\_id>

<Doctor\_name>Ari<Doctor\_name>

<phone\_number>9685297633</phone\_number>

</Doctor\_detail>

<Doctor\_details>

<Doctor\_id>d003</Doctor\_id>

<Doctor\_name>joe<Doctor\_name>

<phone\_number>9867462689</phone\_number>

</Doctor\_detail>

</XML>

<!DOCTYPE hcms[

<!ELEMENT hcms(Doctor\_details\*)>

<!ELEMENT hcms(Doctor\_id,Doctor\_name,phone\_number)>

<!ELEMENT Doctor\_id(#PCDATA)>

<!ELEMENT Doctor\_name(#PCDATA)>

<!ELEMENT phone\_number(#PCDATA)>

]

**DTD with no elements**

**(XML)**

<login timeout=”100”></login>

**(DTD)**

<Element login EMPTY>

<!ATTLIST element login CDATA”0”>

**Join**

**(inner join)**

SELECT

Patients.name,

Patients.age,

Appointments.doctor\_name,

Appointments.date

FROM

Patients

JOIN

Appointments ON Patients.patient\_id = Appointments.patient\_id;

**Module details:**

|  |  |  |
| --- | --- | --- |
| **Module name** | **Submodule details** | **describtion** |
| Patient\_management | Registration,record | Manage patient details and medical history |

**Form details:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Module name/Submodule name** | **Form name -type** | **Form description** | **Table name -type** | **Table description** |
| Order/book order | Book order -transaction | I can see the food items list and book for the order | Order table-transaction |  |

**My form details:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Module name/Submodule name** | **Form name -type** | **Form description** | **Table name -type** | **Table description** |
| Appoinment managemet/ book appoinment | Booking appointment - transaction | Patient can book their appointment | Appointment table - transaction |  |