

MST 2 Assignment Advanced Java

Page No

DATE

Project Model

This project comprises of three web pages:

- (i) Main home page
- (ii) Enter information page
- (iii) Show information page

(i) main home page :

This page holds the introduction of COVID-19 along with the precautions. It contains two submit type buttons • Enter Information & show Information that redirect us on webpage (ii) and (iii) respectively.

COVID-19 Information Center

Show Information

Register Information

(ii) Enter information page :

This page is simply like a registration form that ask the user to enter the information as follows:

- Name ("Text" format)
 - Phone_no (Type "phone")
 - Aadhar_no (12 digit no.) - (remains primary key)
(i.e. every user has unique).
 - fever (in last 7 days) (type "radio" button) (Y/N)
 - cough/cold (in last 7 days) (type "radio" button) (Y/N)
 - Date of last foreign trip ("date" format)
- A submit button which saves the information into the database.

COVID-19 SURVEY

Name:	<input type="text" value="Name"/>
Aadhar no:	<input type="text" value="Aadhar_no"/>
Mobile no:	<input type="text" value="+91 9876*****"/>
Fever(in last 7 days):	<input type="radio"/> Yes <input type="radio"/> No
Cold/Cough(in last 7 days):	<input type="radio"/> Yes <input type="radio"/> No
Last foreign trip:	<input type="text" value="dd - mm - yyyy"/>
<input type="button" value="Submit"/>	

(iii) Show information page :

When the user enters information through registration form it is stored in the database. When the user clicks on show information button it redirects us to a webpage that fetches data from the database and shows the detailed information in tabular form.

1 Provide the database schema (tables and relation) for this project.

Ans

COVID19_infocenter

Name varchar(100)

Aadhar-no varchar(12)

mobno varchar(10)

Fever varchar(5)

cold/cough varchar(5)

last-trip string(12)

2 Describe all the servlet classes and their functionalities that you need to build this project

Ans

Two servlets are used:

1. ~~Survey~~ survey.java
 - Data entry for the people
 - Records are maintained in ResultSet reference variable.
 - No duplicate record can be submitted

2. Showinfo.java

- fetches the data from the database
- show information in table form
- ResultSet and MetaResultSet
fetch the value of the data column

3. Describe all the non servlet classes and their functionalities that you will use in servlet classes

Ans: All the servlet classes are used.
Non-servlet classes are not used.

4. Describe all the major challenges that you may face to build this project.

Ans:

- web page designing through html, css takes a lot of time.
- connection establishment and backend working causes problems in setting up the connection.

5. Build this application and submit the java source file and database.sql file

Ans: code is submitted through github link
project model is already defined.