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**MODEL INSTITUTE OF ENGINEERING & TECHNOLOGY, JAMMU**

**COVID VACCINATION REGISTRATION PORTAL**

**GROUP: 4**

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**Abstract:**

One abstract idea for a COVID vaccination registration portal could be to create a user-friendly platform that utilizes a chatbot for assistance. The chatbot could be programmed to ask users a series of questions to determine their eligibility for the vaccine, and then guide them through the registration process. The platform could also incorporate a map feature that displays nearby vaccination centres and their availability, allowing users to choose a convenient location and appointment time. To enhance accessibility, the portal could offer language translation options and assistive technologies such as text-to-speech and screen readers. In addition, the portal could provide educational resources on COVID-19 vaccines, including frequently asked questions, vaccine safety information, and other relevant details. To ensure user privacy, the portal could implement secure data handling and storage protocols, and allow users to control their own data. Overall, the goal of the portal would be to streamline the vaccination process and make it as accessible and user-friendly as possible.

**Introduction:**

The COVID-19 pandemic has affected the entire world and has highlighted the importance of mass vaccinations. To aid in the administration of vaccines, a COVID vaccination registration portal has been developed. The portal serves as a platform for individuals to register for their vaccine, track their vaccination status, and receive updated information regarding the vaccine.

**Objectives:**

The objectives of the COVID vaccination registration portal are as follows:

1. To provide a platform for individuals to easily register for their COVID-19 vaccine.
2. To keep track of the individuals who have received their vaccine and those who are due for their second dose.
3. To provide updated information regarding the COVID-19 vaccine and its administration.

**Features:**

1. User Registration: The portal allows individuals to easily register for their COVID-19 vaccine. This includes basic personal information, such as name, contact information, and health details.
2. Appointment Scheduling: Once an individual has registered, they can schedule their appointment for the vaccine. The portal provides real-time availability for appointments and allows individuals to choose the date and time that is convenient for them.
3. Vaccination Tracking: The portal tracks the individuals who have received their vaccine and those who are due for their second dose. This information is available to both the individual and healthcare providers.
4. Information Updates: The portal provides updated information regarding the COVID-19 vaccine and its administration. This includes information on side effects, dosage, and other important details.

**Technical Requirements**:

1. The portal is developed using C language.
2. A relational database management system, such as MySQL, is used to store and manage the data.
3. The portal is hosted on a web server and can be accessed through a web browser.
4. The portal is designed to be user-friendly and accessible to individuals of all ages and backgrounds.

**Conclusion:**

The COVID vaccination registration portal serves as a crucial tool in the administration of COVID-19 vaccines. Its features, including user registration, appointment scheduling, vaccination tracking, and information updates, make it an effective platform for individuals to receive their vaccine and stay informed. The portal will play an important role in the ongoing efforts to combat the COVID-19 pandemic and keep individuals and communities safe.

**Program For Covid Vaccination Registration Portal:**

#include <stdio.h>

struct Person {

char name[100];

char age[3];

char gender[10];

char vaccine[20];

};

struct Person registry[100];

int registrySize = 0;

void addPerson() {

struct Person newPerson;

printf("Enter name: ");

scanf("%s", newPerson.name);

printf("Enter age: ");

scanf("%s", newPerson.age);

printf("Enter gender (M/F): ");

scanf("%s", newPerson.gender);

printf("Enter vaccine received (COVACCINE, COVID SHIELD, etc.): ");

scanf("%s", newPerson.vaccine);

registry[registrySize++] = newPerson;

printf("Person added to registry successfully!\n");

}

void viewRegistry()

{

if (registrySize == 0)

{

printf("Registry is empty.\n");

}

else

{

printf("Name\tAge\tGender\tVaccine\n");

for (int i = 0; i < registrySize; i++)

{

struct Person person = registry[i];

printf("%s\t%s\t%s\t%s\n", person.name, person.age, person.gender, person.vaccine);

}

}

}

int main() {

int choice;

while (1) {

printf("1. Add person to registry\n");

printf("2. View registry\n");

printf("3. Exit\n");

printf("Enter your choice: ");

scanf("%d", &choice);

switch (choice) {

case 1:

addPerson();

break;

case 2:

viewRegistry();

break;

case 3:

return 0;

default:

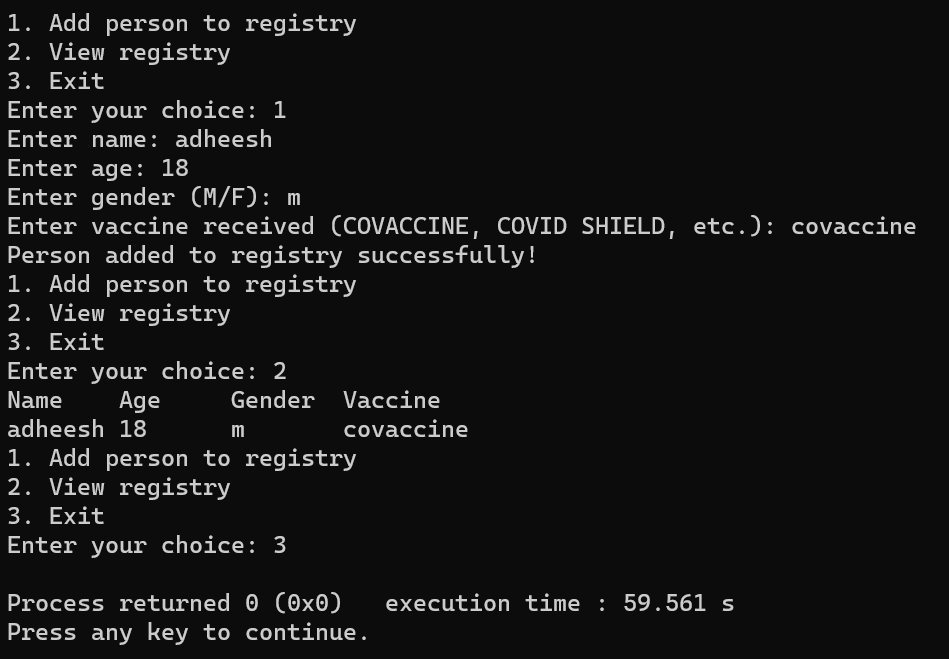
printf("Invalid choice.\n");

}

}

}

**OUTPUT:**

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