



East West University

CSE347: System analysis and design

Section: 3

Government Vaccination information system portal

Presentation Slide Link-

https://www.canva.com/design/DAFiOETmdQw/20gQpEo8QRYu5NwmPdH5cQ/edit?utm_content=DAFiOETmdQw&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton

Submitted to

Nishat Tasnim Niloy

Lecturer, Department of Computer Science & Engineering, East

West University

Submitted by:

Md. Sanim Hossain ID: 2020-1-60-267
Md. Golam Muhit ID: 2020-1-60-269
Asif Rahman Bhuiyan ID: 2020-2-60-071
N.A.M. Tanjir ID: 2020-1-60-070

Project title - Government Vaccination information system portal

The scenery of the Project

A vaccine portal website is an online platform that provides information about vaccines, vaccination schedules, and related services. It allows users to access vaccine-related resources. The portal may also provide features such as appointment booking, reminders, and notifications. The website typically has different sections, such as a news section for the latest updates, a FAQ section for commonly asked questions, and a resources section for informative materials. Users can register and create accounts to access additional features such as personalized vaccine schedules, and some websites may require users to provide their vaccine history for record-keeping purposes. The website is maintained by a team responsible for ensuring that the information is accurate, up-to-date, and presented in a user-friendly manner. The vaccine portal website that is referring to has four main actors: system, admin, user, and notice board. Here's a summary of what each actor does on the website:

System: The system is the technical infrastructure of the website, which includes the software, and network components.

Admin: The admin is the person or team responsible for managing the website's content, user registration, assigned doctor, given notices and other administrative tasks.

User: The user is the individual who visits the website to access vaccine-related information or services. They can browse the website, register an account, book for Vaccine, receive Vaccine , and Print Notice.

Notice Board: The notice board is a section of the website where important announcements, updates, and alerts related to vaccines are posted. Users can view the notices to stay informed.

Overall, the vaccine portal website aims to provide users with easy access to reliable and up-to-date information about vaccines and related services, such as registration request or receiving notifications. The system and admin work together to ensure the website's smooth operation, while the notice board serves as a communication channel between the website and its users.

Functional Requirement:

A functional requirement defines the function of a system or its component, where a function is described as a specification of behavior between inputs and outputs. What software must do, and its features and functions. Now we are describing the functional requirement of our project.

- o Our software works on government protocol health issues. We are providing people with knowledge about vaccination and its information. Also, we can manage information like how many people are taking the vaccine in which area and in which category.
- o We are making a server where people get information on when and where they can take the vaccine and will get a vaccination certificate.
- o We are focusing on the user facilities especially, first of all, a user must register to take action on the website. He/ she must provide personal information for signing up and see the updated information.
- o A user can get facilities from this website and get information and help from the author directly. He/she also checks his/her vaccination updates and gets informed of the next date of taking another dose.
- o This Website provides Notice boards. The notice board is a section of the website where important announcements, updates, and alerts related to vaccines are posted. Users can view the notices to stay informed.

This is the functional requirement of our vaccination portal that we are trying to fulfill and make easy for users and authors.

Non Functional Requirement:

A non-functional requirement does not relate to functionality but to attributes such as reliability, efficiency, usability, maintainability, and portability.

- o Vaccine is an important element to prevent diseases. The vaccination process is very critical if anyone gets the wrong vaccine or not taking the appropriate time. He/ she may suffer after that. So, we provide such a server and a group of people to help them.

- o User usability is very important in the non-functional requirement. User experience flexibility and the effectiveness of our vaccination portal interacting with it.
- o The vaccination portal is managed by some efficient admin who can help, permit and control the user. They also need an author or admin account to access the portal. They should have an admin panel account and they can edit the external activities which are suitable for them.
- o We are providing functions such as an emergency helpline, to maintain user privacy. It can be authorized by the organization. And all the information is secure in the portal.
- o This portal is for public use and many people can access and do some action at a time. There are no limitations to access time or how many times you can access. A user can ask for help at any time and request for upgrading their process and the admin analyzes fake requests or not. If the user gives all the information authentic and true then the admin accepts their request and provides help.

This is the non-functional requirement of our vaccination portal that we are trying to fulfill and make easy for users and authors.

Limitations

The specific limitations of the website on various factors such as the technology used, the target audience, and the regulations in our respectable countries. Here are some potential limitations to consider:

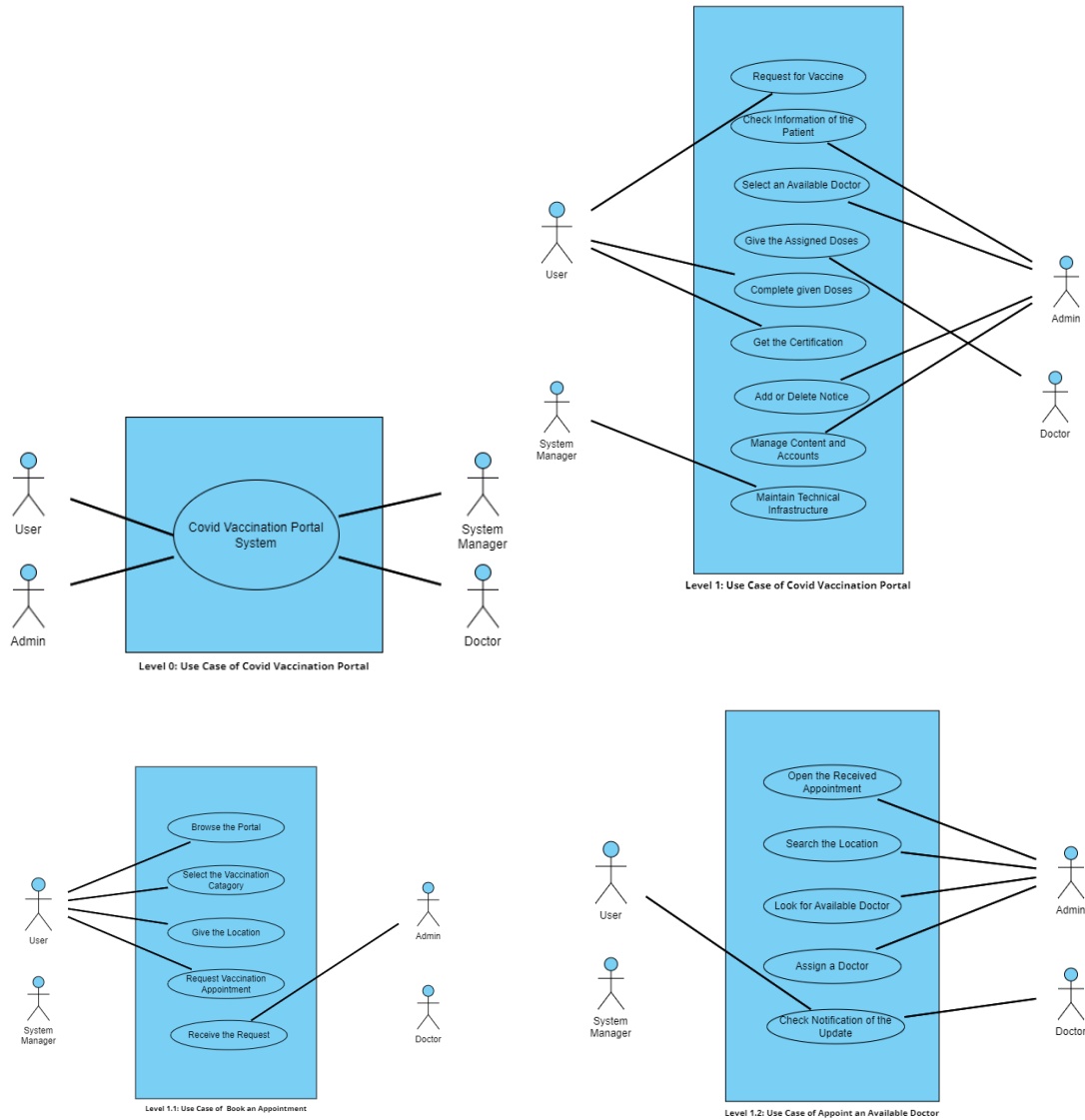
Data Privacy and Security: The vaccine portal will require handling sensitive personal information such as names, NID no. / Birth Certificate no. , and vaccine data. Therefore, it must comply with data privacy laws and security standards to ensure that the data is not compromised.

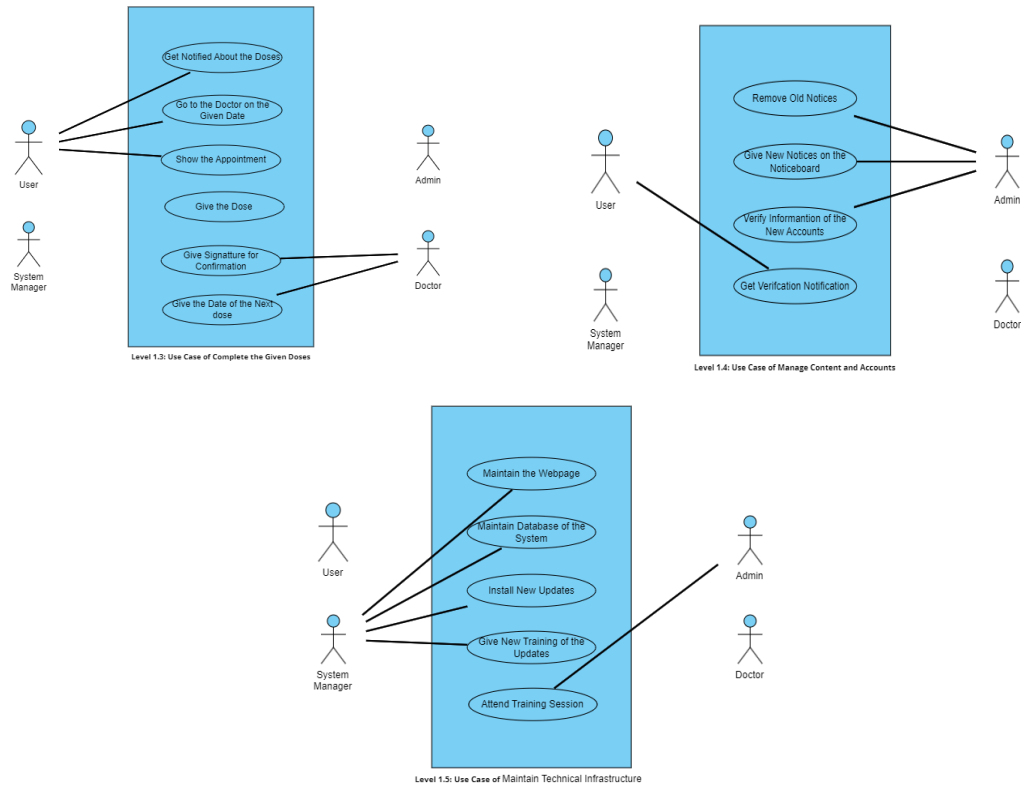
Technical Issues: Developing and maintaining a complex website can be challenging, and there will be technical issues such as server downtime, network failures, or software bugs that could affect the user experience.

User Accessibility: The website is designed in a way that is accessible to all users, including those with disabilities or limited internet access.

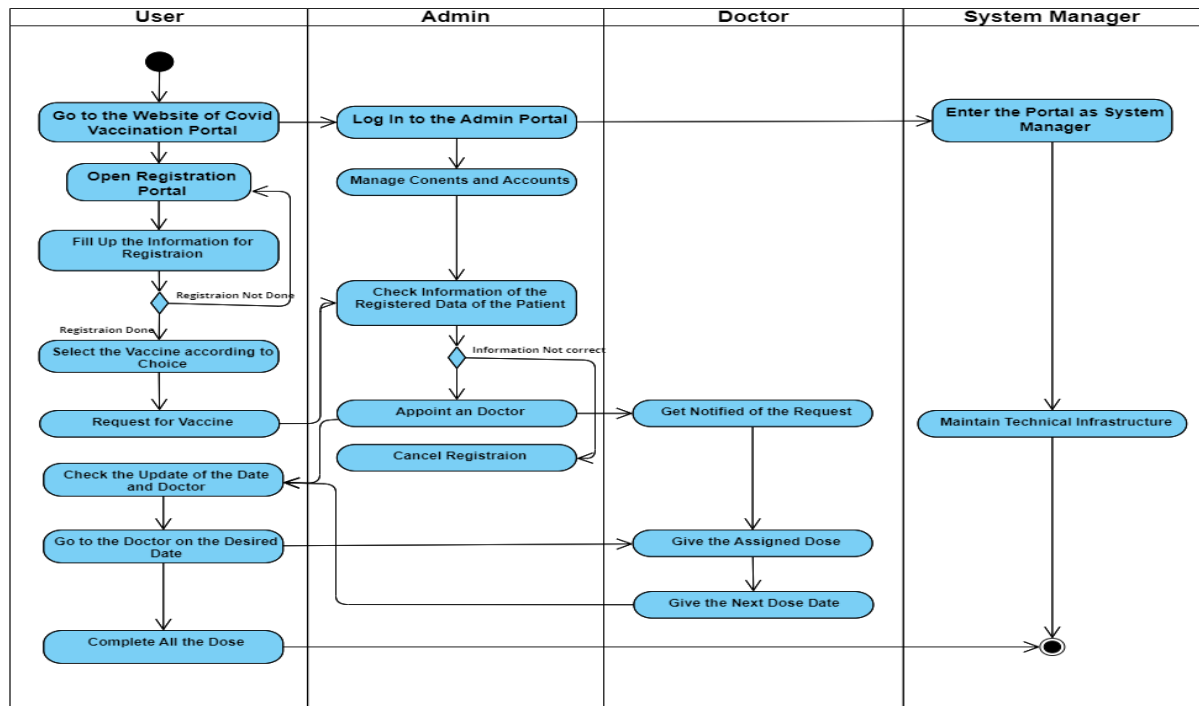
Integration with External Systems: The website may need to integrate with external systems such as government databases, healthcare providers, and laboratories. The integration process can be complicated, and there may be compatibility issues.

Use Case Diagram:

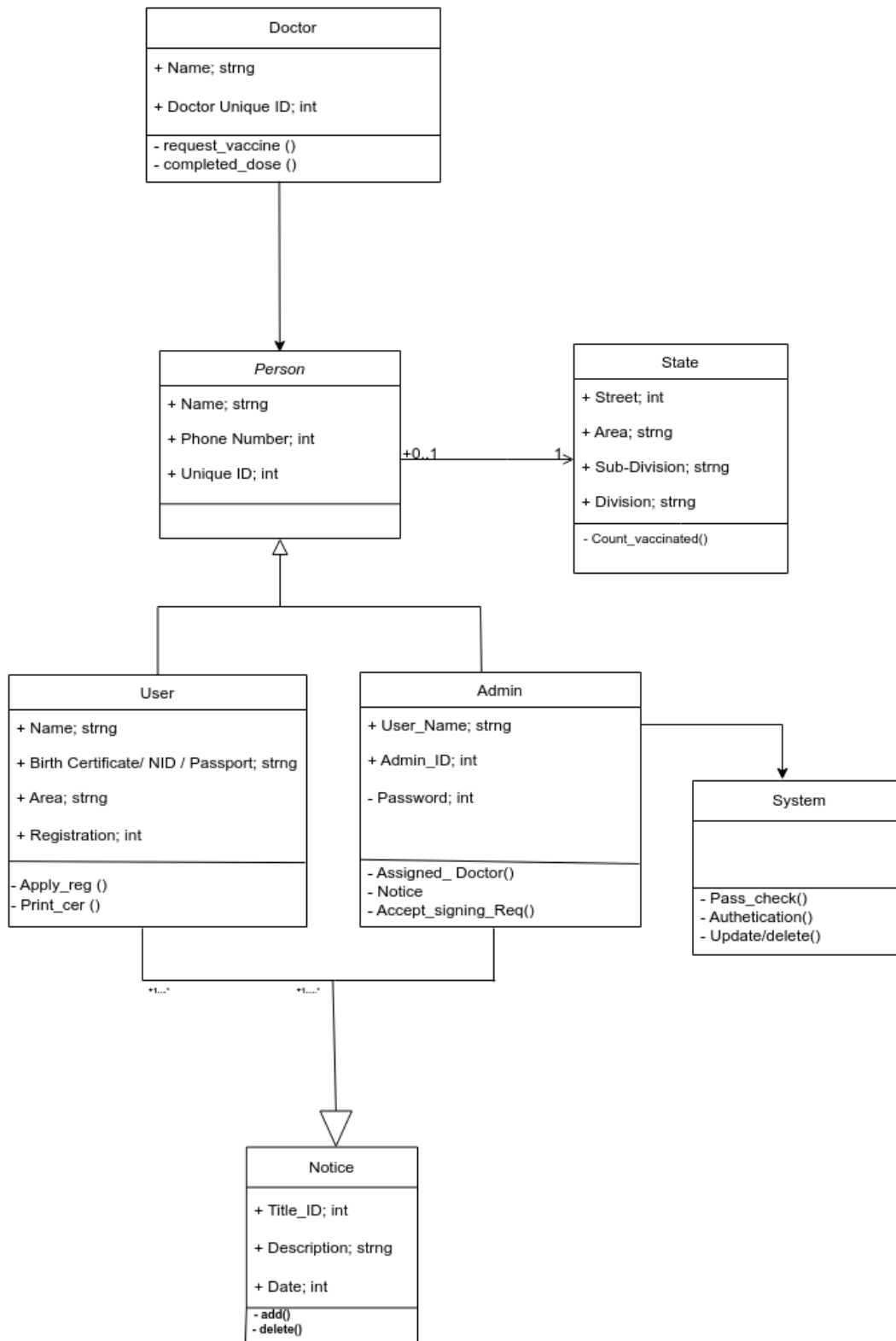




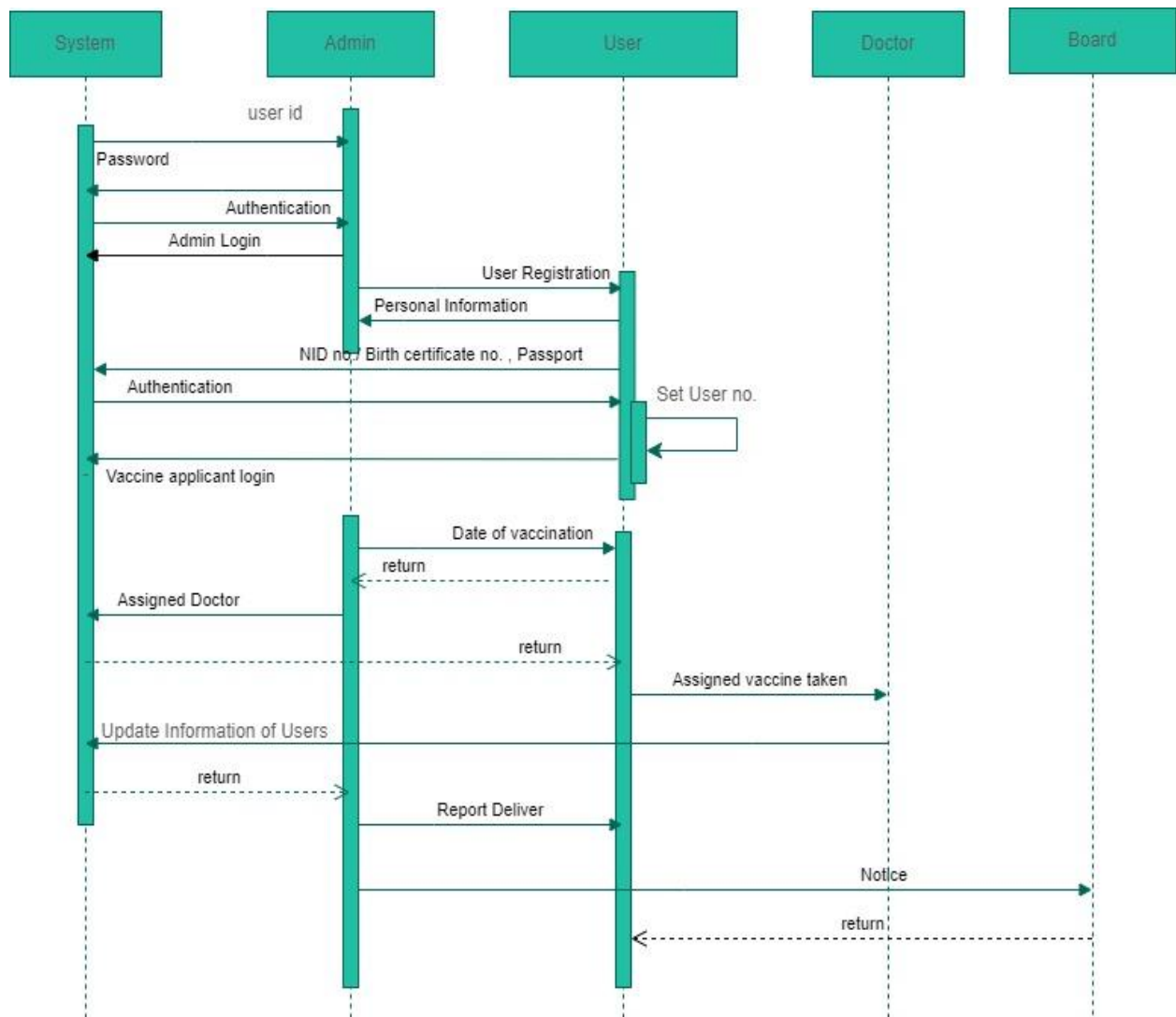
Swim Lane Diagram



Class Diagram



Sequence Diagram



GUI

Vaccines

[Home](#) [Live_Updates](#) [Notice](#) [About_Us](#) [Contact_Us](#) [User_registration](#) [Admin](#) *

Welcome To Government Vaccination Site

Vaccines can help protect against certain diseases by imitating an infection. This type of imitation infection, helps teach the immune system how to fight off a future infection. Sometimes, after getting a vaccine, the imitation infection can cause minor symptoms, such as fever. Such minor symptoms are normal and should be expected as the body builds immunity.



Best Protection



Selected Vaccines



Vaccines

[Home](#) [Live_Updates](#) [Notice](#) [About_Us](#) [Contact_Us](#) [User_registration](#) [Admin](#) *

Categories



Moderna

Approved in 88 countries
70 trials in 24 countries



Johnson's Janssen

Approved in 113 countries
26 trials in 25 countries



COVOVAX

Approved in 6 countries
7 trials in 3 countries



Pfizer/BioNTech

Approved in 149 countries
100 trials in 31 countries



Oxford/AstraZeneca

Approved in 149 countries
73 trials in 34 countries



Sinovac

Approved in 56 countries
42 trials in 10 countries

Preparations Before Vaccine

The success of vaccines is strongly influenced by the strength of the body's immune system. Therefore, there are several things that can be tried to make the COVID-19 vaccine work:

Earliest appointment available

Don't get other vaccines at the same time

Have pain relievers on hand

Grab groceries ahead of time

Be ready to roll

Fuel up

Earliest appointment available

Appointments can be limited, so it is in your best interest to schedule the soonest appointment that works for you. Remember though, you could have some mild side effects in the 24 hours that follow. Try not to schedule your appointment before an important exam or significant commitment.

Don't get other vaccines at the same time

Before you get the COVID-19 vaccine, avoid getting any other vaccines for 14 days. Once you've had your second dose of the COVID-19 vaccine, wait 14 days to get any other vaccines. It's more important to get the COVID-19 vaccine when it's available. So adjust the timing of your other vaccines to make sure you get the COVID-19 vaccine as soon as possible.

Fuel up

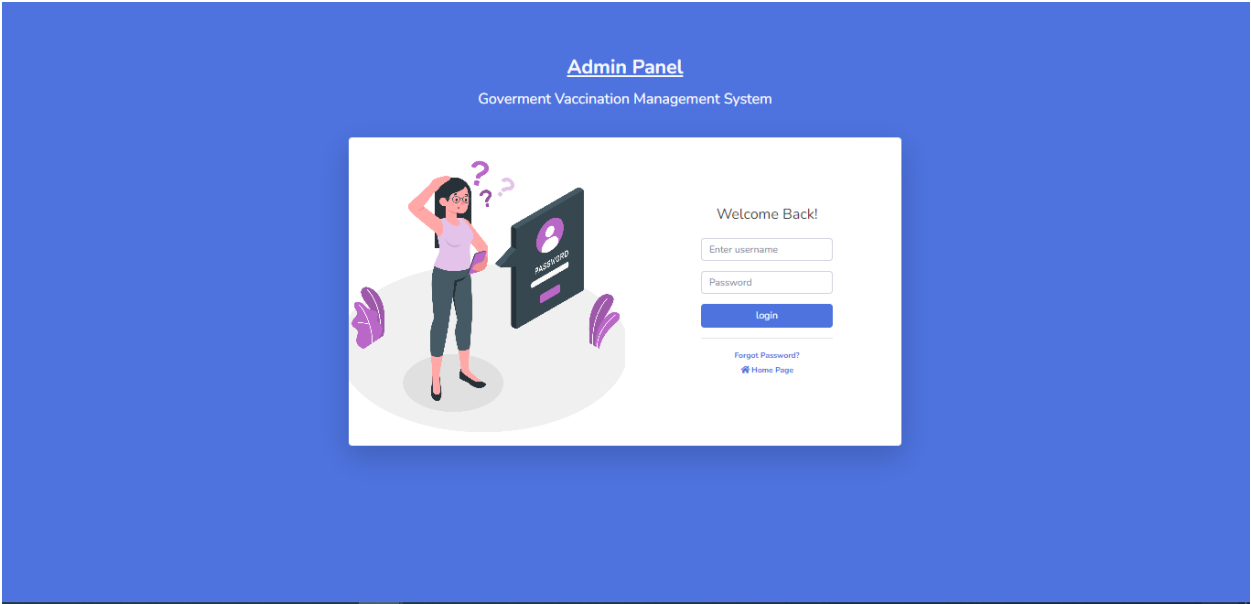
helps your body prepare to respond to the vaccine. It is advised to refrain from drinking alcohol and intense workouts before your vaccination.

Send any Questions

LET'S STAY IN TOUCH

Get updates on sales specials and more

goverment.vaccination@gmail.com



Vaccines[Home](#)[Live_Updates](#)[Notice](#)[About_Us](#)[Contact_Us](#)[User_registration](#)[Admin](#) *

Notice Information

Show
10
entries

Search:

Sno.	title_No	Discription	Date
1	232	The letter asked Azmat Ullah to come to the room number 315 of the Nirbachan Bhaban in the city's Agargaon to explain why his candidature would not be cancelled for running election campaigns before the allocation of ele	2023-05-05 22:02:48
2	345	The monitoring of excess mortality provides us with a more comprehensive understanding of the impact of COVID-19 beyond the number of COVID-19 deaths reported by countries. The World Health Organization (WHO) is trackin	2023-05-07 10:26:06
Sno.	title_No	Discription	Date

Showing 1 to 2 of 2 entries

Previous

1

Next

Govt. Vaccination Management System(GVMS) Copyright © 2023

Vaccines[Home](#)[Live_Updates](#)[Notice](#)[About_Us](#)[Contact_Us](#)[User_registration](#)[Admin](#) *

Vaccination Dose Status

Statewise Testing Dashboard

Sno.	State Name	Total Test Done
1	Khulna	1
Sno.	State Name	Total Test Done

Govt. Vaccination Management System(GVMS) Copyright © 2023

