

# Viruses (Vertex systems)

**Supervisor:** *LÊ THANH NHÂN*

**Semester:** *01*

**Batch No:** *T1.2110.A0*

**Group No:** *04*

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**Month:** *01* **Year:** *2022*

This is to certify that

Mr. NGUYỄN XUÂN LỘC

Mr. PHẠM TIẾN HÙNG

Mr. PHẠM HẢI ĐĂNG

Mr. MAI THANH PHONG

Have successfully Designed & Developed

**VIRUSES (VERTEX SYSTEMS)**

Submitted by:

**Mr. LE THANH NHAN**

Date Of Issue:

**10-01-2022**

Authorized Signature:

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# Acknowledge

As we understand that the eProject is a step-by- step learning environment that closely simulates the class-room and Lab based learning environment into actual implementation. It is a project implementation at your fingertips!! An electronic, live juncture on the machine that allows you to.

- ✓ Practice step by step i.e. ladder approach.
- ✓ Build a larger more robust application.
- ✓ Usage of certain utilities in applications designed by user.
- ✓ Single program to unified code leading to a complete application.
- ✓ Learn implementation of concepts in a phased manner.
- ✓ Enhance skills and add value.
- ✓ Work on real life projects.
- ✓ Give a real life scenario and help to create applications more complicated and useful.
- ✓ Mentoring through email support.

We would like to send a great thank to our professor and others student for the adorable supports during the time in project.

Beside several mistakes we had made in the project, we hope to have more opportunities to widen our knowledge in web developing world.

We also thank you so much for your information and the “demo” project from India APTECH to help us get more reality experience in this project. Since we have gained more experience from this project, we will not stop learning any thing as much as we can to be more successful in the future.

Your Sincerely,

Team Group 04.

# Synopsis

The Objective of this program we aim is to give a sample project to work on real life projects. These applications help us build a larger more robust application.

The objective is not to teach us HTML/JavaScript but to provide us with a real life scenario and help us create basic applications using the tools.

Hence, we can revise the chapters before we start with the project.

This project is meant for students like us who have completed the module of HTML5. These programs should be done in the Lab sessions with assistance of the faculty if required.

The website (in this project) is a tool that brings everything in the world to you such as historic monuments information natural knowledge or skill in technology...

It is very essential for us that will have a clear understanding of the subject. We think we should go through the project and solve the assignments as per requirements given.

And get back ***eprojects@aptech.ac.in*** as the assigned schedule.

<b>Design Plan:</b> Viruses (Vertex systems)	<b>Document Name:</b> Problem Definition	<b>SWD/Form</b> No.01/PD/Ver1.0
<b>Effective Date:</b> 10-01-2022	<b>Version</b> 1.0	<b>Page No:</b> 1 of 25

## Problem Definition

In recent times, there are various types of viruses that have attacked humans and they are also one of the most dangerous enemies that have caused major damage to mankind. However, the information about these viruses is still scattered and maybe not official. Developing a website with complete and relevant information about these viruses , therefore, is a very necessary task to do.

Given that, Vertex systems, our customers, wants us to develop a website with proper information about various viruses. To be specific, proper symptoms when they enter and attack human body systems, precautions and relevant cure (if available).

In the website which they demand is supposed to provide user friendly environment and navigation. Furthermore, the important menu must be stated in the top section of the webpage. A decent look out and color combination is also expected in developing website.

The website is to be developed for the Windows Platform using HTML5, JavaScript and Geolocation. The site should work well in all leading browsers including Chrome, IE, Firefox etc.

### **Website functions:**

- The Home Page with some description about the Viruses and their types are provided. (Also navigational links are included.)

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<b>Design Plan:</b> Viruses (Vertex systems)	<b>Document Name:</b> Problem Definition	<b>SWD/Form</b> No.01/PD/Ver1.0
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- The website provide information like “About us”, “Types of Virus”, “Year wise listing”, “Contact us”.

- Each section provide proper listing along with brief information.
- There are properly hyperlinked links and also images on website.
- Some facts and figures of the damage caused by the virus are also provided.
- Contact Us page flashes the address and location on map of the offices of Vertex Systems.

- Individual pages or sections for various viruses are provided with detailed information and images.

- Pages of viruses consist of various headings as “Year Originated”, “Location of Origin”, “Spread of Virus/Disease”, “Precautions required”, etc.

- All locations are displayed using Maps (Geolocation).
- Feedback taken on the information available on website.

#### **\* User:**

- Users can access to pages of various viruses provided with detailed information and images.

- Friendly environment helps users to have a good experience.
- Users can easily find locations using Geolocation (Maps JS API).
- Feedback from users will be pleasantly taken.

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<b>Design Plan:</b> Viruses (Vertex systems)	<b>Document Name:</b> Customer Requirements Specifications	<b>SWD/Form No.02/CRS/Ver1.0</b>
<b>Effective Date:</b> 10-01-2022	<b>Version</b> 1.0	<b>Page No: 3 of 25</b>

## Customer Requirements Specifications

### User:

#### Input:

- Information that relates viruses.
- Information about Vertex Systems and developer team.
- Feedback to webmaster.

#### Process:

- Check relevant information of viruses.
- Check information, address and office location of Vertex Systems and information of developer team.
- Check feedback from user.

#### Output:

- Display information of viruses that user input.
- Display information, address and office location of Vertex Systems and information of developer team.
- Successful / Failed feedback sent message.

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<b>Design Plan:</b> Viruses (Vertex systems)	<b>Document Name:</b> Customer Requirements Specifications	<b>SWD/Form</b> No.02/CRS/Ver1.0
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## Webmaster:

### Input:

- Information of viruses that need to add/update/delete.
- Information of Vertex Systems and developer team that need to add/update/delete.
- Answer feedback from user.
- Delete inappropriate feedback from user.

### Process:

- Add/update/delete information of viruses.
- Add/update/delete information of Vertex Systems and developer team.
- Check feedback answered from webmaster .
- Delete feedback.

### Output:

- Successful / Failed added/updated/deleted information of viruses.
- Successful / Failed added/updated/deleted information of Vertex Systems and developer team.

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<b>Design Plan:</b> Viruses (Vertex systems)	<b>Document Name:</b> Customer Requirements Specifications	<b>SWD/Form</b> No.02/CRS/Ver1.0
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- Successful / Failed feedback answered message.
- Successful / Failed feedback deleted message.

## Hardware / software requirement:

### Software:

- Notepad/HTML editor.
- Dreamweaver
- IE 5.0/ Netscape 6.0 or better browsers.

### Hardware:

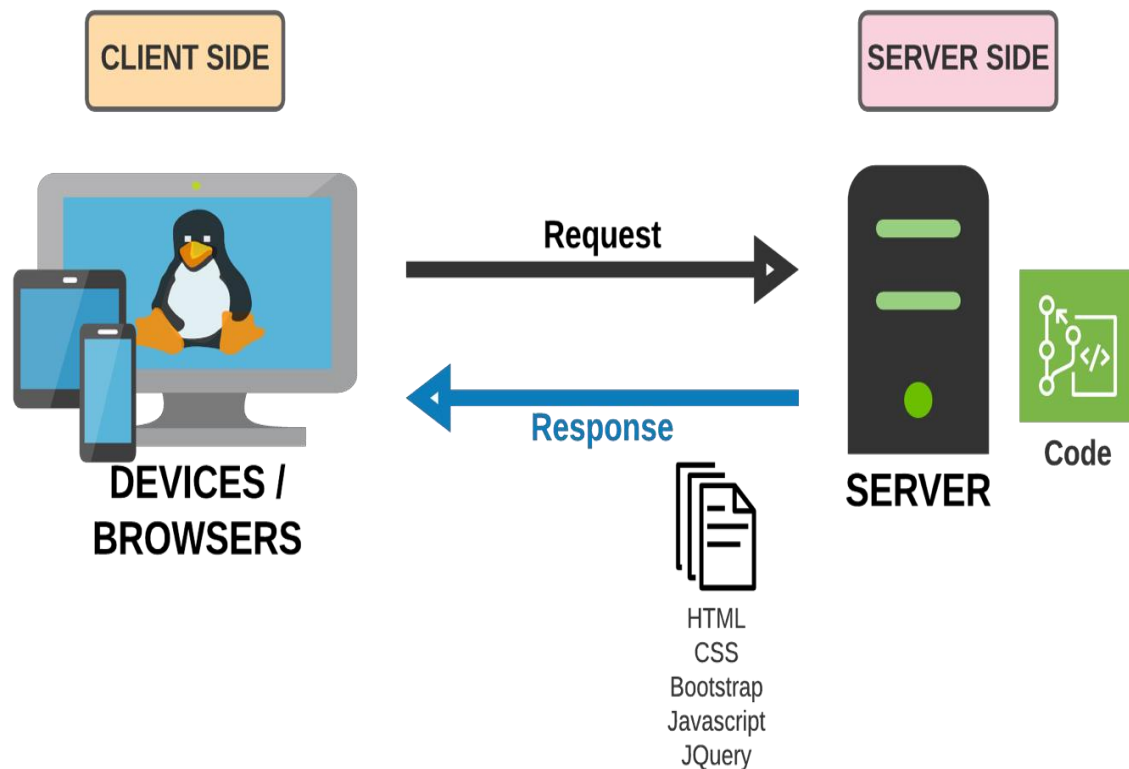
- A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better.
- 64 Megabytes of RAM or better.

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<b>Design Plan:</b> Viruses (Vertex systems)	<b>Document Name:</b> Architecture and design of the project	<b>SWD/Form No.03/ARD/Ver1.0</b>
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## Architecture and design of the project

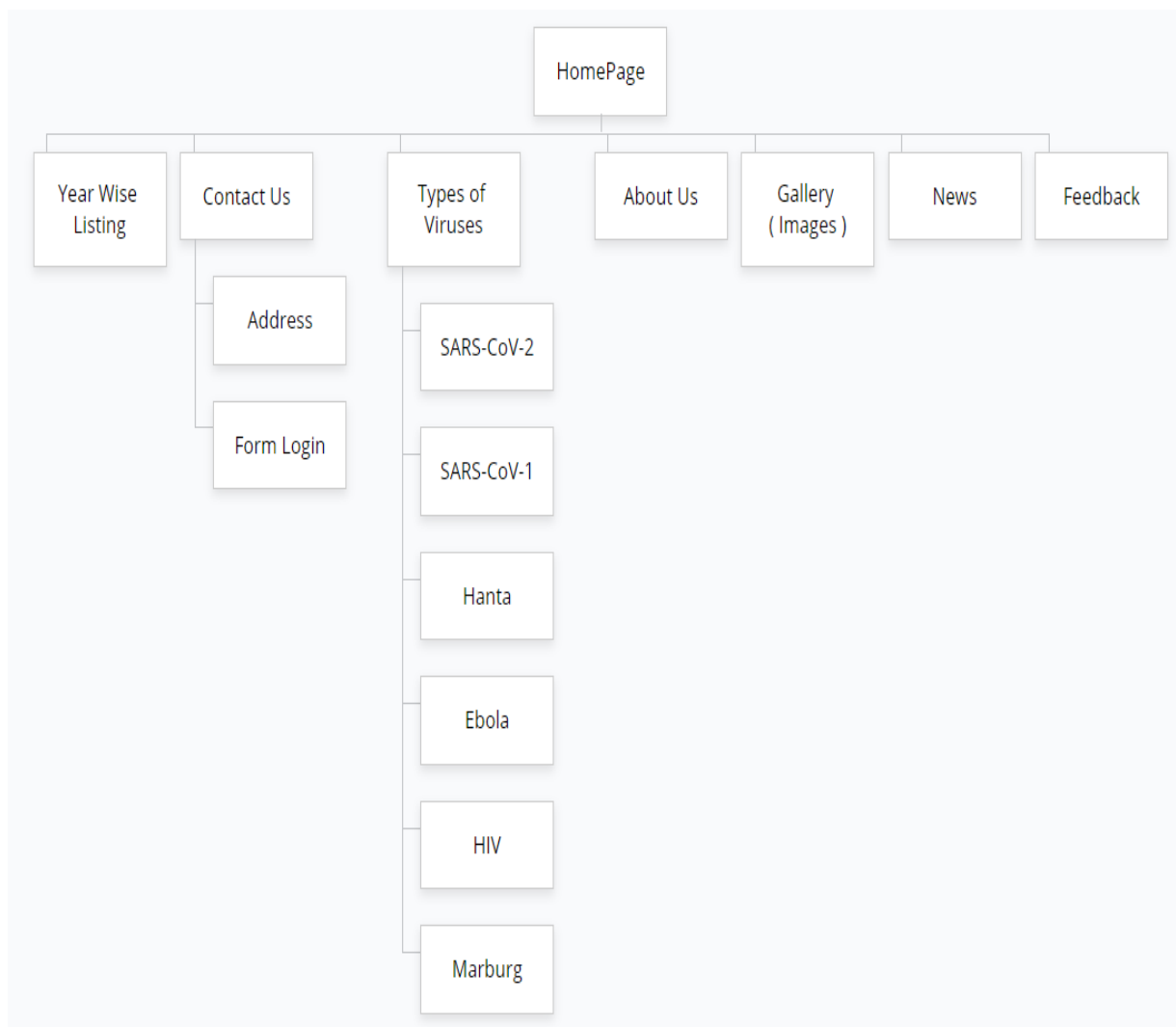
**The Website will have a client-server architecture:**



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<b>Date</b>		

<b>Design Plan:</b> Doodle New Search Tool	<b>Document Name:</b> SiteMap	<b>SWD/Form</b> No.04/SM/Ver1.0
<b>Effective Date:</b> 01-01-2002	<b>Version</b> 1.0	<b>Page No:</b> 7 of 25

# SiteMap



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<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> Doodle New Search Tool	<b>Document Name:</b> Screen shots	<b>SWD/Form</b> No.05/SS/Ver1.0
<b>Effective Date:</b> 01-01-2002	<b>Version</b> 1.0	<b>Page No:</b> 8 of 25

## I. Homepage:

LOGO	SEARCH FOR VIRUS			LOGIN	SIGN UP
VERTESSYSTEMS		HOME	TYPES OF VIRUS	YEAR WISE LISTING	CONTACT US
NEWS					
VIRUSES DESCRIPTION					
ABOUT US					
GALLERY					
FEEDBACK					
FOOTER LOGO		Useful Links		Contact/Address	

**Description** : Homepage.html is the mainpage providing brief information, news, images about viruses

**From** : Browsers, Network

**To** : Other pages

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<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> Doodle New Search Tool	<b>Document Name:</b> Screen shots	<b>SWD/Form</b> No.05/SS/Ver1.0
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## II. Virus HIV:

LOGO	SEARCH FOR VIRUS		LOGIN	SIGN UP
VERTEXSYSTEMS	HOME	TYPES OF VIRUS	YEAR WISE LISTING	CONTACT US
<div>HIV [BACKGROUND IMAGE]</div> <div> Location of Origin    Symptoms    Transmission    Preventions    Treatment </div> <div>VIRUS INFORMATION</div>				
FOOTER LOGO	Useful Links		Contact/Address	

**Description** : HIV.html provides information about virus HIV

**From** :Homepage

**To** : Other pages

	<b>Prepared by (Student)</b>	<b>Approved by (Faculty)</b>
	<b>Project Group No:</b> 04	LE THANH NHAN
<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> Doodle New Search Tool	<b>Document Name:</b> Screen shots	<b>SWD/Form</b> No.05/SS/Ver1.0
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### III. Virus Sars-CoV-1:

LOGO	SEARCH FOR VIRUS			LOGIN	SIGN UP
VERTEXSYSTEMS	HOME	TYPES OF VIRUS	YEAR WISE LISTING	CONTACT US	
<div>SARS-CoV-1 [BACKGROUND IMAGE]</div> <div> Location of Origin    Symptoms    Transmission    Preventions    Treatment </div> <div>VIRUS INFORMATION</div>					
FOOTER LOGO		Useful Links		Contact/Address	

**Description** : SARS-COV-1.html provides information about virus SARS-COV-1

**From** : Homepage

**To** : Other pages

	<b>Prepared by (Student)</b>	<b>Approved by (Faculty)</b>
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<b>Date</b>		

<b>Design Plan:</b> Doodle New Search Tool	<b>Document Name:</b> Screen shots	<b>SWD/Form</b> No.05/SS/Ver1.0
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#### IV. Virus Ebola:

LOGO	SEARCH FOR VIRUS			LOGIN	SIGN UP
VERTEXSYSTEMS		HOME	TYPES OF VIRUS	YEAR WISE LISTING	CONTACT US
<div>EBOLA [BACKGROUND IMAGE]</div> <div> Location of Origin    Symptoms    Transmission    Preventions    Treatment </div> <div>VIRUS INFORMATION</div>					
FOOTER LOGO		Useful Links		Contact/Address	

**Description** : Ebola.html provides information about virus Ebola

**From** : Homepage

**To** : Other pages

	<b>Prepared by (Student)</b>	<b>Approved by (Faculty)</b>
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<b>Signature</b>		
<b>Date</b>		



<b>Design Plan:</b> Doodle New Search Tool	<b>Document Name:</b> Screen shots	<b>SWD/Form</b> No.05/SS/Ver1.0
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## V. Virus Sars-CoV-2:

LOGO	SEARCH FOR VIRUS		LOGIN	SIGN UP
VERTEXSYSTEMS	HOME	TYPES OF VIRUS	YEAR WISE LISTING	CONTACT US
<div>SARS-CoV-2 [BACKGROUND IMAGE]</div> <div> Location of Origin    Symptoms    Transmission    Preventions    Treatment </div> <div>VIRUS INFORMATION</div>				
FOOTER LOGO		Useful Links	Contact/Address	

**Description** : SARS-COV-2.html provides information about virus SARS-COV-2

**From** : Homepage

**To** : Other pages

	<b>Prepared by (Student)</b>	<b>Approved by (Faculty)</b>
	<b>Project Group No:</b> 04	LE THANH NHAN
<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> Doodle New Search Tool	<b>Document Name:</b> Screen shots	<b>SWD/Form</b> No.05/SS/Ver1.0
<b>Effective Date:</b> 01-01-2002	<b>Version</b> 1.0	<b>Page No:</b> 13 of 25

## VI. Virus Hanta

LOGO	SEARCH FOR VIRUS			LOGIN	SIGN UP
VERTEXSYSTEMS	HOME	TYPES OF VIRUS	YEAR WISE LISTING	CONTACT US	
<div>HANTA [BACKGROUND IMAGE]</div> <div> Location of Origin    Symptoms    Transmission    Preventions    Treatment </div> <div>VIRUS INFORMATION</div>					
FOOTER LOGO		Useful Links		Contact/Address	

**Description** : Hanta.html provides information about virus Hanta

**From** : Homepage

**To** : Other pages

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<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> Doodle New Search Tool	<b>Document Name:</b> Screen shots	<b>SWD/Form</b> No.05/SS/Ver1.0
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## VII. Virus Marburg:

LOGO	SEARCH FOR VIRUS			LOGIN	SIGN UP
VERTEXSYSTEMS	HOME	TYPES OF VIRUS	YEAR WISE LISTING	CONTACT US	
<div>MARBURG [BACKGROUND IMAGE]</div> <div> Location of Origin    Symptoms    Transmission    Preventions    Treatment </div> <div>VIRUS INFORMATION</div>					
FOOTER LOGO		Useful Links		Contact/Address	

**Description** : Marburg.html provides information about virus Marburg

**From** : Homepage

**To** : Other pages

	<b>Prepared by (Student)</b>	<b>Approved by (Faculty)</b>
	<b>Project Group No:</b> 04	LE THANH NHAN
<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> Doodle New Search Tool	<b>Document Name:</b> Screen shots	<b>SWD/Form</b> No.05/SS/Ver1.0
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### VIII. Year wise listing:

LOGO	SEARCH FOR VIRUS			LOGIN	SIGN UP
VERTEXSYSTEMS	HOME	TYPES OF VIRUS	YEAR WISE LISTING	CONTACT US	
<div>TABLES SHOW TOTAL CASES AND TOTAL DEATHS FOR ALL VIRUSES</div> <div>TABLE OF FIRST VIRUS</div> <div>TABLE OF SECOND VIRUS</div> <div>TABLE OF N VIRUS</div>					
FOOTER LOGO		Useful Links		Contact/Address	

**Description** : Yearwiselisting.html provides annual lists of “ Total Cases ” and “ Total Deaths ”

**From** : Homepage

**To** : Other pages

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<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> Doodle New Search Tool	<b>Document Name:</b> Screen shots	<b>SWD/Form</b> No.05/SS/Ver1.0
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## IX. Contact Us:

LOGO	SEARCH FOR VIRUS			LOGIN	SIGN UP
VERTEXSYSTEMS		HOME	TYPES OF VIRUS	YEAR WISE LISTING	CONTACT US
<div>Contact Information</div>		<div>Contact Form</div> <div></div>			
FOOTER LOGO		Useful Links		Contact/Address	

**Description** : ContactUs.html provides contact information, address and location and form login for user

**From** : Homepage

**To** : Other pages

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<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> Doodle New Search Tool	<b>Document Name:</b> Testing document	<b>SWD/Form</b> No.06/TD/Ver1.0
<b>Effective Date:</b> 01-01-2002	<b>Version</b> 1.0	<b>Page No:</b> 17 of 25

## Testing document

Sr.No	Features Tested	Remarks
1	Name cannot be left blank. Name must be letters.	
2	Phone cannot be left blank. Phone must be numbers. Phone from 10 to 12 numbers	
3	Email cannot be left blank. Email must be valid.	
4	Address cannot be left blank. Address must include both numbers and letters	
5	User cannot be left blank.	
6	Password cannot be left blank. Password must be 8 characters or more	
7	Confirm password cannot be left blank. Confirm password same as password.	
8		
9		
10		
11		
12		
13		
14		
15		

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<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> Doodle New Search Tool	<b>Document Name:</b> Final checklist	<b>SWD/Form</b> No.07/FC/Ver1.0
<b>Effective Date:</b> 01-01-2002	<b>Version</b> 1.0	<b>Page No:</b> 18 of 25

## Final checklist

Sr.No	Aspected Tested	Suggestion/ Remarks
1	Are all the users able to view the images and links?	
2	Have all the views, modules and controllers been properly integrated and is the site function as a single page application?	
3	Are the GUI content devoid of spelling mistakes?	
4	Is the application user-friendly?	
5	Is the Website launching correctly in all popular browsers?	
6	Are all the forms validated with proper criteria?	
7	Do all text links lead to the appropriate website?	
8	Do all image links lead to the appropriate website?	
9	Are all the images and links clearly visible on the page?	
10	Does the Web page work properly in all the tested browsers?	
11	Does the Web page take too long to be loaded fully?	
12	Is the navigation sequences correct through all the Web pages on the site?	
13	Is the JavaScript code working as expected in all click events?	
14	Does the website match the information users are looking for?	
15	Is the operation on the website easy for users?	
16	Is the site satisfied with what you set out ?	
17	Is information on our website trustworthy ?	

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<b>Date</b>		

<b>Design Plan:</b> Viruses (Vertex systems)	<b>Document Name:</b> Task Sheet	<b>SWD/Form</b> No.08/TS/Ver1.0
<b>Effective Date:</b> 01-01-2002	<b>Version</b> 1.0	<b>Page No:</b> 19 of 25

No	Member	Contents	Page Name	Activity Plan	Date of Preparation of Activity Plan		
				Planed Start Date	Actual Start Date	Actual Days	Status
1	Nguyễn Xuân Lộc	Homepage	HomePage.html	1/10/2022	1/10/2022	20	Ok
2		List of Viruses		1/10/2022	1/10/2022	20	Ok
3		News		1/10/2022	1/10/2022	20	Ok
4		About Us		1/10/2022	1/10/2022	20	Ok
1	Phạm Tiến Hùng	Contact Us	ContactUs.html	1/10/2022	1/10/2022	20	Ok
2		Homepage Menu	HomePage.html	1/10/2022	1/10/2022	20	Ok
3		Year wise listing	Yearwiselisting.html	1/10/2022	1/10/2022	20	Ok
4		Virus Hanta	Hanta.html	1/10/2022	1/10/2022	20	Ok
5		Virus SARS-CoV-2	SARS-CoV-2.html	1/10/2022	1/10/2022	20	OK
1	Phạm Hải Đăng	Virus HIV	HIV.html	1/10/2022	1/10/2022	20	Ok
2		Virus Marburg	Marburg.html	1/10/2022	1/10/2022	20	Ok
3		Feedback	Homepage.html	1/10/2022	1/10/2022	20	Ok
1	Mai Thanh Phong	Virus Ebola	Ebola.html	1/10/2022	1/10/2022	20	Ok
2		Virus SARS-CoV-1	SARS-CoV-1.html	1/10/2022	1/10/2022	20	Ok
3		Homepage Footer	HomePage.html	1/10/2022	1/10/2022	20	Ok

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<b>Date</b>		



<b>Design Plan:</b> Viruses (Vertex systems)	<b>Document Name:</b> Task Sheet	<b>SWD/Form</b> No.08/TS/Ver1.0
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