A

Project Report on

Helpovid

Submitted in partial fulfilment of the

requirements for the award of

Diploma

In

Information technology

by

**Tanushree Tiwari Enrollment No: 1807055 Achal Talalwar Enrollment No: 1807053 Akanksha Mogare Enrollment No: 1807032 Sandeep Chetnani Enrollment No: 1907803**

Under the guidance of

**Mrs. Dipika Chanmanwar**



Department of Information Technology

Government Polytechnic, Nagpur

An Autonomous Institute of Government of Maharashtra

Near Mangalwari Bazar,Sadar, Nagpur 440 001 ( M.S. )

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**DEPARTMENT OF INFORMATION TECHNOLOGY**

GOVERNMENT POLYTECHNIC, NAGPUR

NEAR MANGALWARI BAZAR, SADAR, NAGPUR 440 001( M.S.)

CERTIFICATE

This is to certify that the Project report entitled

**Helpovid**

**Submitted by**

**Tanushree Tiwari Enrollment No: 1807055 Achal Talalwar Enrollment No : 1807053 Akanksha mogare Enrolment No : 1807032 Sandeep Chetnani Enrolment No : 1907803**

is a bonafide work carried out under the supervision of **Mrs. Dipika Chanmanwar** and it is submitted towards the partial fulfilment of the requirement Government Polytechnic, Nagpur for the award of the Diploma in Information Technology.

**Mrs. Dipika Chanmanwar Dr . A R Mahajan**

Guide-Lecturer, Head of the Department, Department of Information Technology Department of Information Technology

**DR.M.B.DAIGAVANE**

**Seal/Stamp of the College** Principal

**Place:** Govt.Poly.Nagpur

**Date:** June 27, 2021.

Certificate by Guide

This is to certify that

**Tanushree Tiwari Enrollment No: 1807055 Achal Talalwar Enrollment No: 1807053 Akanksha Mogare Enrollment No: 1807032 Sandeep Chetnani Enrollment No: 1907803**

has completed the project work under my guidance and supervision and that, I have verified the work for its originality in documentation, problem statement, implementation and results presented in the dissertation. Any reproduction of other necessary work is with the prior permission and has given due ownership and included in the references.

**Place:** Government polytechnic Nagpur Signature of Guide

**Date: Mrs. Dipika Chanmanwar**

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**Tanushree Tiwari Enrollment No: 1807055 Achal Talalwar Enrollment No: 1807053 Akanksha Mogare Enrollment No: 1807032 Sandeep Chetnani Enrollment No: 1907803**

# Abstract

A website is a collection of webpages,images,videos and other digital Assets that is hosted on Webservers ,usually accessible via the internet,cellphones or a lan The pages of the website can be Usually accessed from a common root url called homepage. Our website is related to covid-19 help

Anyone can access our website to get the real time information of availability of the bed and plasmain their City or locality. If someone is willing to help others and have information about beds and plasma can provide the information on our website.

In this time, this website will help many needy people by getting verified and accurate information.

Those who wants to help the people by giving them the accurate information can help and those who wants the help can get the help.

Many people can give the information of the beds and plasma availability which is been verified by the admin and then it will be post on the website

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**CHAPTER 1**

**INTRODUCTION**

Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus.

Most people infected with the COVID-19 virus will experience mild to moderate respiratory illness and recover without requiring special treatment. Older people, and those with underlying medical problems like cardiovascular disease, diabetes, chronic respiratory disease, and cancer are more likely to develop serious illness.

The best way to prevent and slow down transmission is to be well informed about the COVID-19 virus, the disease it causes and how it spreads. Protect yourself and others from infection by washing your hands or using an alcohol based rub frequently and not touching your face.

The COVID-19 virus spreads primarily through droplets of saliva or discharge from the nose when an infected person coughs or sneezes, so it’s important that you also practice respiratory etiquette (for example, by coughing into a flexed elbow).

A person who is persistently short of breath may need hospital care. [Shortness of breath](https://www.healthgrades.com/right-care/lungs-breathing-and-respiration/shortness-of-breath) indicates the lungs are not delivering enough oxygen to the rest of the body; without treatment, oxygen levels may fall and cause organ failure.

Because there is no cure for COVID-19 at this time, hospital care for coronavirus is focused on what’s called *supportive care*, or treatment to support the body’s vital organs. Doctors, nurses and others will monitor oxygen levels and provide treatment to maintain a healthy supply of oxygen to the rest of the body. Some patients need only a nasal cannula, a tube that’s placed in the nostrils to deliver oxygen. Other patients require an oxygen mask, which can deliver high concentrations of oxygen.

Hospital staff monitor patients’ vital signs (heart rate, blood pressure, number of breaths per minute) to watch for any developing problems. A patient whose heart rate increases as their blood pressure decreases could be experiencing heart trouble; staff will likely run tests and administer IV (intravenous) fluids and medicine to support the heart’s function.

Some patients will be able to eat and drink normally; others are too sick to do so. If needed, hospital staff can deliver nutrition directly into patients’ veins via an IV.

The main aim of our project is to save lives of people by giving proper information to them. Here, information refers to no. of beds and plasma available. By searching, people can get informationabout no. of beds and plasma available so that they could get help. People can also post their information and can also search.Covid-19 is spreading all over the world beds and plasma are not available everywhere , our project can give information about where is bed or plasma available to that needy person i.e our aim. It is very hard time for all of us so if all come together and help the needy one by giving proper information about bed or plasma, they may recover from covid.This website is not only for the needy one but also for the people who want to help other people.

Considering the increasing number of Corona-positive cases every day in the city there is a shortage of beds available in many hospitals. While many fail to get up-to-date information on the availability of beds in the hospital. The administration is fighting hard to provide necessary health infracture to the city to curb the widespread of the virus.

### Plasma donation

In a plasma-only donation, the liquid portion of the donor’s blood is separated from the cells. Blood is drawn from one arm and sent through a high-tech machine that collects the plasma. The donor’s red blood cells and platelets are then returned to the donor along with some saline. The process is safe and only takes a few minutes longer than donating whole blood.

Donated plasma is frozen within 24 hours of being donated to preserve its valuable clotting factors. It can be stored for up to one year and thawed for transfusion to a patient when needed. Red Cross donations are often used directly for hospital patient transfusions, rather than pharmaceutical uses.

The Red Cross urges people with [type AB blood](https://www.redcrossblood.org/donate-blood/blood-types/ab-blood-type.html) to consider a plasma donation. AB is the only universal plasma and can be given to patients of any blood type. This means that type AB plasma transfusions can be given immediately, without losing precious time determining if the patient’s blood type is compatible. In emergency medicine, such as caring for a major trauma or burn patient, time saved can mean the difference between life and death.

[Type AB plasma donations](https://www.redcrossblood.org/donate-blood/how-to-donate/types-of-blood-donations/plasma-donation.html) – which the Red Cross calls “AB Elite” – can be made every 28 days, up to 13 times per year. The average donation takes one hour and 15 minutes, just a few minutes longer than donating whole blood.

Without public health information at our fingertips many would be dangerously under-informed about the scale and severity of the issue. Without the option to work and learn from home, our economies would take a still greater hit and children’s education would suffer even more.

In the past few weeks we’ve seen the web at its best: enhancing lives, acting as a vital public good and connecting people in creative, positive ways. It is both a lifeline and a critical force in helping to curb the spread of the virus, providing vital public health information and

helping us live virtually when meeting physically threatens human lives.

But the web could do so much more if we could overcome three obstacles. Almost half the world’s population doesn’t have internet access. To be without connectivity in normal times is a grave disadvantage. In the crisis we’re facing, it’s devastating.

Where the web is available, it is vulnerable to medical misinformation and conspiracy theories which can have deadly effects. And the lack of a collaborative, ambitious, privacy-minded approach to the use of data in this crisis means some of the most effective ways to tackle the virus may never be fully harnessed.

These goals — increasing access, fighting misinformation and using data responsibly and effectively — are part of the [Contract for the](http://contractfortheweb.org/) [Web](http://contractfortheweb.org/), the plan of action launched last year by the Web Foundation and our partners, to make our online world safe, open and empowering. They are now all the more urgent, and we are working with our founder, Sir Tim Berners Lee, to underline to governments and companies the action that must be taken, and ensure the web he invented is one that works for everyone in this crisis, and indeed in other urgent areas such as climate change, more than ever before.

The significance of the website is to provide the useful details to the needy one for covid19.Many people around us are helping people who want help for covid19 so our website is providing a platform for those who wants to help and those who wants the help. This will help the needy one to connect with the people who tends to

help them. This website is not only for the needy one but also for the people who want to help other people .People can give the details of beds availability and plasma availability .Those who want the help regarding bed and plasma for covid19 can use this information

Verified and proper information is been provided to all.

The main objective of the project is to provide a details for needy people.In this pandemic there is too much shortage of beds So, common people came in front of us to provide the beds in stadium , private halls and in other places but there is no specific platform for spreading this information so our project provide a platform for these information.Their are number of patients dying because of coronavirus. They need many things to fight against the virus and one of these is( plasma ) But the receiver does not have any idea about donors and vice versa so we provide the verified details to the users and patient . In our project we provide some beneficial information to our users. This information is related to the covid And we provide them correct information under the guidance of the professionals.Helping people's in this pandemic ( for providing them averified information ) is our main objective in this project .

**Chapter 2**

**Survey**

In the process of making this website we have done a a lot of researches and surveys In which we have conducted surveys in our nearby areas and seen that there is a big Problem regarding availability of beds and plasma in our country nowadays so we thinkTo do for our country so we started researching about how we can increase the number Of beds in our locality and how we can help the covid-19 patient which don’t have any Place For isolation so we developed this website in our website we have allocated a different section which will show the availability of beds to the needy people in their nearby locality we have collected this information from the local people any people which have any information regarding the beds can email or call us on the given no after that one of representative will verify the information if the provided information which we have received from the helper is correct then we will publish that information on our website and anyone needy can see that information from our website

.Similarly we have provided information about plasma in our website there is a separate section for plasma in which anyone who is willing to donate plasma can send their details to the email with covid-19 recovered report after verifying that details we will verify that details and publish that details on our website and the one who want plasma can check the plasma donator list from our website and can call them

for further steps. If the plasma donator is not available on our website at that time .so they can also provide their details so when someone see their plasma requirement details they will contact them immediately .

## CHAPTER 3

**SOFTWARE REQUIREMENT SPECIFICATION**

### INTRODUCTION

The project is aimed at developing a useful website for providing information to the needy people. The main aim of our project is to save lives of people by giving proper information to them. Here, information refers to no. of beds and plasma available. By searching, people can get information about no. of beds and plasma available so that they could get help. People can also post their information an can also search.Covid-19 is spreading all over the world beds and plasma are not available everywhere , our project can give information about where is bed or plasma available to that needy person i.e our aim.

### PURPOSE

The purpose of our project is to provide as much as information related to beds and plasma to people . there are so thousands of people dying everyday just because they don’t get the bed or appropriate medical treatment . Just by providing the right information in time can save lives of the people . The people who want to help other people are also invited to our page to share their information .

### Design and implementation constraints

For developing the website we required :

* + - 1. Web browser
      2. Sublime text editor
      3. Windows 10

### System features

1. Saves time
2. Provides information
3. Mobile Compatibility.
4. Accessible to All Users.
5. Fast Load Times.
6. Browser Consistency.
7. Effective Navigation.
8. Good Error Handling.

### EXTERNAL INTERFACE REQUIREMENT

* + 1. **User Interfaces**

A dashboard is provided to the user for development of web pages. It includes a menu bar, tool box, properties window, status bar.

### Hardware interfaces

Computer- A electronic device dedicated to carry out sequence of Arithmetic and logical operations.

* + - 1. Processor Intel core2 Duo.
      2. RAM 2GB RAM.
      3. Hard Disk - 500 GB.

### Software interfaces

* + - 1. Windows 10
      2. Sublime text editor
      3. Web browser( Google chrome

### Communications Interfaces

HTTP: Hyper text transfer protocol (HTTP) is a method used to transfer or convey information on the World Wide Web. Its original purpose was to provide the way to publish and retrieve HTML pages. Web Development On Web Requirement Analysis Development of HTTP was co- ordinated by the World Wide Web Consortium (W3C) and Internet Engineering Task Force (IETF) culminating in the publication of RFCs, most notably RFC 2616, which defines HTTP/1.1 the version of HTTP in common use today. HTTP is a request/response protocol between clients and servers. The originating client, such as web browser, spider or other end user tool, is referred to as a user agent. The destination server which stores or creates resources such as HTML files and images is called the origin server. In between the user agent and origin server, any is several intermediaries such as proxies, gateways, tunnels. An HTTP client initiates a request by establishing Transmission Control Protocol (TCP) connection to a particular port on a remote host. An HTTP server listening on that port waits for the client to send a request message. Upon receiving request, the server sends back a status line, such as “HTTP/1.1 200 OK” and a message of its own, the body of which is perhaps the request file, an error message, or some other information.

### 3.3 Software quality requirement

Software Quality Attributes

There are various software quality attributes that are taken into consideration

1. Availability
2. Maintainability
3. Usability

# Chapter 4 SYSTEM DESIGN

4.1 ACTIVITY DIAGRAM

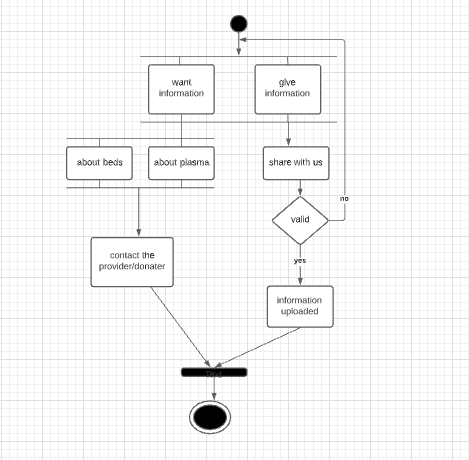


FIG NO. 4.1

**Chapter 5**

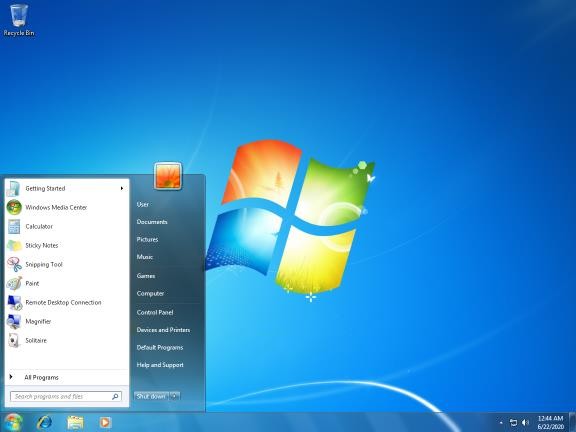
**Technical Specifications**

### Windows 7

To develop this website we have used windows 7. Windows 7 is an **operating system** that Microsoft has produced for use on personal computers. It is the follow-up to the **Windows Vista** Operating System, which was released in 2006.

An operating system allows your computer to manage software and perform

essential tasks. It is also a **Graphical User Interface (GUI)** that allows you to visually interact with your computer’s functions in a logical, fun, and easy way.



### Key features

With Windows 7, users can pin applications to the taskbar. In addition, users can rearrange the applications on the taskbar in any order they see fit. Other additions include libraries for storing files. The default library folders include Documents, Pictures and

Videos, each of which has a public and private version. In addition, Windows 7 was the first version of Windows to support [multitouch](https://searchmobilecomputing.techtarget.com/definition/multi-touch) capabilities. It also features more accurate handwriting recognition.

Windows 7 introduced the Snap and Shake capabilities. Snap enables a user to drag an open window to the left or right side of the screen and have it automatically resize to take up half the screen. If a user pulls the window off the side, it reverts to the size and shape it was before he snapped it to the side of the screen. A user can automatically maximize a window by dragging it to the top of the screen.

With Shake, users can hide all inactive windows to reveal the desktop by clicking the top of an open window and quickly dragging it back and forth. Users can also easily reach the desktop with the Show Desktop button on the bottom right of the screen, which minimizes all open windows.

### HTML

The HyperText Markup Language, or HTML is the standard [markup](https://en.wikipedia.org/wiki/Markup_language) [language](https://en.wikipedia.org/wiki/Markup_language) for documents designed to be displayed in a [web](https://en.wikipedia.org/wiki/Web_browser) [browser](https://en.wikipedia.org/wiki/Web_browser). It can be assisted by technologies such as [Cascading Style](https://en.wikipedia.org/wiki/Cascading_Style_Sheets) [Sheets](https://en.wikipedia.org/wiki/Cascading_Style_Sheets) (CSS) and [scripting languages](https://en.wikipedia.org/wiki/Scripting_language) such as [JavaScript](https://en.wikipedia.org/wiki/JavaScript).



[Web browsers](https://en.wikipedia.org/wiki/Web_browser) receive HTML documents from a [web server](https://en.wikipedia.org/wiki/Web_server) or from local storage and [render](https://en.wikipedia.org/wiki/Browser_engine) the documents into multimedia web pages. HTML describes the structure of a [web](https://en.wikipedia.org/wiki/Web_page) [page](https://en.wikipedia.org/wiki/Web_page) [semantically](https://en.wikipedia.org/wiki/Semantic_Web) and originally included cues for the appearance of the document.

[HTML elements](https://en.wikipedia.org/wiki/HTML_element) are the building blocks of HTML pages. With HTML constructs, [images](https://en.wikipedia.org/wiki/HTML_element" \l "Images_and_objects) and other objects such as [interactive forms](https://en.wikipedia.org/wiki/Fieldset) may be embedded into the rendered page. HTML provides a means to create [structured documents](https://en.wikipedia.org/wiki/Structured_document) by denoting structural [semantics](https://en.wikipedia.org/wiki/Semantics) for text such as headings, paragraphs, lists, [links](https://en.wikipedia.org/wiki/Hyperlink), quotes and other items. HTML elements are delineated by tags, written using [angle](https://en.wikipedia.org/wiki/Bracket" \l "Angle_brackets) [brackets](https://en.wikipedia.org/wiki/Bracket" \l "Angle_brackets). Tags such as <img /> and <input /> directly introduce content into the page. Other tags such as <p> surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the page.

HTML can embed programs written in a [scripting language](https://en.wikipedia.org/wiki/Scripting_language) such as [JavaScript](https://en.wikipedia.org/wiki/JavaScript), which affects the behavior and content of web pages. Inclusion of CSS defines the look and layout of content. The [World](https://en.wikipedia.org/wiki/World_Wide_Web_Consortium) [Wide Web Consortium](https://en.wikipedia.org/wiki/World_Wide_Web_Consortium) (W3C), former maintainer of the HTML and current maintainer of the CSS standards, has encouraged the use of CSS over explicit presentational HTML since 1997.

### CSS

Cascading Style Sheets (CSS) is a [style sheet language](https://en.wikipedia.org/wiki/Style_sheet_language) used for describing the [presentation](https://en.wikipedia.org/wiki/Presentation_semantics) of a document written in a [markup](https://en.wikipedia.org/wiki/Markup_language) [language](https://en.wikipedia.org/wiki/Markup_language) such as [HTML](https://en.wikipedia.org/wiki/HTML).CSS is a cornerstone technology of the [World Wide Web](https://en.wikipedia.org/wiki/World_Wide_Web), alongside HTML and [JavaScript](https://en.wikipedia.org/wiki/JavaScript).



CSS is designed to enable the separation of presentation and content, including [layout](https://en.wikipedia.org/wiki/Page_layout), [colors](https://en.wikipedia.org/wiki/Color), and [fonts](https://en.wikipedia.org/wiki/Typeface).[[3]](https://en.wikipedia.org/wiki/CSS" \l "cite_note-3) This separation can improve content [accessibility](https://en.wikipedia.org/wiki/Accessibility), provide more flexibility and control in the specification of presentation characteristics, enable multiple [web pages](https://en.wikipedia.org/wiki/Web_page) to share formatting by specifying the relevant CSS in a separate .css file which reduces complexity and repetition in the structural content as well as enabling the .css file to be [cached](https://en.wikipedia.org/wiki/Cache_(computing)) to improve the page load speed between the pages that share the file and its formatting.

Separation of formatting and content also makes it feasible to present the same markup page in different styles for different rendering methods, such as on-screen, in print, by voice (via speech-based browser or [screen reader](https://en.wikipedia.org/wiki/Screen_reader)), and on [Braille-](https://en.wikipedia.org/wiki/Braille_display) [based](https://en.wikipedia.org/wiki/Braille_display) tactile devices. CSS also has rules for alternate formatting if the content is accessed on a [mobile device](https://en.wikipedia.org/wiki/Mobile_device).[[4]](https://en.wikipedia.org/wiki/CSS" \l "cite_note-4)

The name cascading comes from the specified priority scheme to determine which style rule applies if more than one rule matches a particular element. This cascading priority scheme is predictable.

The CSS specifications are maintained by the [World Wide Web](https://en.wikipedia.org/wiki/World_Wide_Web_Consortium) [Consortium](https://en.wikipedia.org/wiki/World_Wide_Web_Consortium) (W3C). Internet media type ([MIME type](https://en.wikipedia.org/wiki/MIME_media_type)) text/css is registered for use with CSS by RFC 2318 (March 1998). The W3C operates a free [CSS validation service](https://en.wikipedia.org/wiki/W3C_Markup_Validation_Service" \l "CSS_validation) for CSS documents.

### JAVA SCRIPT

JavaScript often abbreviated as JS, is a [programming language](https://en.wikipedia.org/wiki/Programming_language) that conforms to the [ECMAScript](https://en.wikipedia.org/wiki/ECMAScript) specification.[[9]](https://en.wikipedia.org/wiki/JavaScript" \l "cite_note-tc39-9) JavaScript is [high-](https://en.wikipedia.org/wiki/High-level_programming_language) [level](https://en.wikipedia.org/wiki/High-level_programming_language), often [just-in-time compiled](https://en.wikipedia.org/wiki/Just-in-time_compilation), and [multi-paradigm](https://en.wikipedia.org/wiki/Programming_paradigm). It has [curly-](https://en.wikipedia.org/wiki/List_of_programming_languages_by_type" \l "Curly-bracket_languages) [bracket syntax](https://en.wikipedia.org/wiki/List_of_programming_languages_by_type" \l "Curly-bracket_languages), [dynamic typing](https://en.wikipedia.org/wiki/Dynamic_typing), [prototype-based](https://en.wikipedia.org/wiki/Prototype-based_programming) [object-](https://en.wikipedia.org/wiki/Object-oriented_programming) [orientation](https://en.wikipedia.org/wiki/Object-oriented_programming), and [first-class functions](https://en.wikipedia.org/wiki/First-class_function).



Alongside [HTML](https://en.wikipedia.org/wiki/HTML) and [CSS](https://en.wikipedia.org/wiki/CSS), JavaScript is one of the core technologies of the [World Wide Web](https://en.wikipedia.org/wiki/World_Wide_Web).Over 97% of [websites](https://en.wikipedia.org/wiki/Website) use it [client-](https://en.wikipedia.org/wiki/Client-side) [side](https://en.wikipedia.org/wiki/Client-side) for [web page](https://en.wikipedia.org/wiki/Web_page) behavior, often incorporating third- party [libraries](https://en.wikipedia.org/wiki/Library_(computing)). All major [web browsers](https://en.wikipedia.org/wiki/Web_browser) have a dedicated [JavaScript](https://en.wikipedia.org/wiki/JavaScript_engine) [engine](https://en.wikipedia.org/wiki/JavaScript_engine) to execute the code on the [user](https://en.wikipedia.org/wiki/User_(computing))'s device.

As a multi-paradigm language, JavaScript supports [event-](https://en.wikipedia.org/wiki/Event-driven_programming) [driven](https://en.wikipedia.org/wiki/Event-driven_programming), [functional](https://en.wikipedia.org/wiki/Functional_programming), and [imperative](https://en.wikipedia.org/wiki/Imperative_programming) [programming styles](https://en.wikipedia.org/wiki/Programming_paradigm). It has [application programming interfaces](https://en.wikipedia.org/wiki/Application_programming_interface) (APIs) for working with text, dates, [regular expressions](https://en.wikipedia.org/wiki/Regular_expression), standard [data structures](https://en.wikipedia.org/wiki/Data_structure), and the [Document Object Model](https://en.wikipedia.org/wiki/Document_Object_Model) (DOM).

The ECMAScript standard does not include any [input/output](https://en.wikipedia.org/wiki/Input/output) (I/O), such as [networking](https://en.wikipedia.org/wiki/Computer_network), [storage](https://en.wikipedia.org/wiki/Data_storage), or [graphics](https://en.wikipedia.org/wiki/Computer_graphics) facilities. In practice, the web browser or other [runtime system](https://en.wikipedia.org/wiki/Runtime_system) provides JavaScript APIs for I/O.

JavaScript engines were originally used only in web browsers, but they are now core components of [other](https://en.wikipedia.org/wiki/JavaScript" \l "Other_usage) software systems, most notably [servers](https://en.wikipedia.org/wiki/Server_(computing)) and a variety of [applications](https://en.wikipedia.org/wiki/Application_software).

Although there are similarities between JavaScript and [Java](https://en.wikipedia.org/wiki/Java_(programming_language)), including language name, [syntax](https://en.wikipedia.org/wiki/Syntax_(programming_languages)), and respective [standard](https://en.wikipedia.org/wiki/Standard_library) [libraries](https://en.wikipedia.org/wiki/Standard_library), the two languages are distinct and differ greatly in design.

### SUBLIME TEXT

Sublime Text is a [shareware](https://en.wikipedia.org/wiki/Shareware) [cross-platform](https://en.wikipedia.org/wiki/Cross-platform) [source code](https://en.wikipedia.org/wiki/Source_code_editor) [editor](https://en.wikipedia.org/wiki/Source_code_editor) with a [Python](https://en.wikipedia.org/wiki/Python_(programming_language)) [application programming interface](https://en.wikipedia.org/wiki/Application_programming_interface) (API). It natively supports many [programming languages](https://en.wikipedia.org/wiki/Programming_languages) and [markup](https://en.wikipedia.org/wiki/Markup_languages) [languages](https://en.wikipedia.org/wiki/Markup_languages), and functions can be added by users with [plugins](https://en.wikipedia.org/wiki/Plugins), typically community-built and maintained under [free-software](https://en.wikipedia.org/wiki/Free_software_licenses) [licenses](https://en.wikipedia.org/wiki/Free_software_licenses).

Features

The following is a list of features of Sublime Text:

* "Goto Anything," quick navigation to files, symbols, or lines
* "Command palette" uses adaptive matching for quick keyboard invocation of arbitrary commands.
* [Simultaneous editing](https://en.wikipedia.org/wiki/Simultaneous_editing): simultaneously make the same interactive changes to multiple selected areas.
* Python-based plugin API
* Project-specific preferences
* Extensive customizability via JSON settings files, including project-specific and platform-specific settings.
* Cross-platform (Windows, [macOS](https://en.wikipedia.org/wiki/MacOS), and Linux) and Supportive Plugins for cross-platform.
* Compatible with many language grammars from [TextMate](https://en.wikipedia.org/wiki/TextMate).

**Chapter 6**

**Project Estimate, Schedule**

### System Estimation Plan

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sr**  **No** | **Name** | | **Description** | | **Timeline** | | **Remark** | | |
| 1 | Reqirement Analy-  sis. | | Complete specification of system | | 1/3/21  30/3/2  1 | to | A detailed  document should be there for each  requirement. | | |
| 2 | High Level Design | | Identifies the modules  and different entities and  their relationships | | 1/4/21  2/5/21 | to | Should decide on different  modules and how they are  interact. | | |
| 3 | Detailed Design | | GUI  design,Program Specification | | 3/5/21  10/5/2  1 | to | GUI design should com- plete also different screens  needed should be decided. | | |
| 4 | Build | | Code for  tem,Implemen tation  of different modules | sys  - | 11/5/2  1  30/5/1  5 | to | Write code  modules. | fo r | differe nt |
| 5 | Final Review Deployme  nt | an d |  | | 17/5/2  1  10/6/2  1 | to | All requirement are ful-  filled | | |

Table 6.1: Project Estimation

### Estimate

Project estimation and project scheduling are carried out together without accurate scheduling estimation there is no foundation for effective planning and supported for rapid development. There are three parameters involved in computing the total cost of software development project.

* Hardware and Software Cost.
* Testing
* Efforts

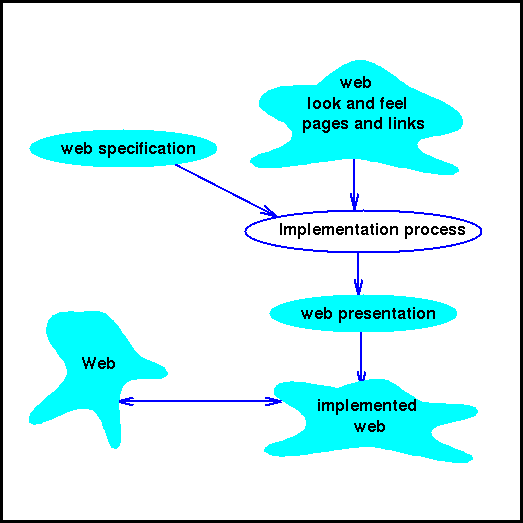
Our development schedule consists of following steps.

* + Estimation the size of product.
  + Estimation the effort (Man- months).
  + Estimation the schedule (Calendar month).

**Chapter 7**

**Software Implementation**

Implementation is the process of building the web according to its [design](https://www.december.com/web/develop/design.html). A web implementor creates hypertext markup language (HTML), Common Gateway Interface (CGI) programs, and/or Java scripts and/or applets.



The implementation process resembles software development because it involves using a specific syntax for encoding web

structures or a programming language in a formal language in computer files. Although there are automated tools to help with the construction of HTML documents, a thorough grounding in HTML enriches the web implementor's expertise.

Key Implementation Practices

* + At the outset, create an extendible directory and file structure to manage the web's files and/or software components (CGI or Java programs).
  + Use HTML tools where helpful.
  + Check the web's implementation in various browsers.
  + Use templates or web generating schemes for supporting a consistent look and feel.
  + A web implementer should gather the following information, which should have been generated by other processes of web development:
  + Design products As a result of the design process, the web designer creates a look-and-feel diagram and a package, page, and link diagram. These two products are the major guidelines a web implementer uses in a working web.
  + Web specification As a result of the planning process , "Web Planning", a set of specifications for web tolerances, limits, or other parameters has been set. This web specification guides the web implementer in making decisions about many of the specifics in a web.
  + Updates and maintenance requirements As a result of the analysis process "Web Analysis", a web analyst may determine a set of corrections in HTML or updates in information. Updates also may result from the planning process or the innovation process "Web Innovation".
  + Technology specifications As outlined in this chapter, HTML, although intended to be a set of standards for browser- independent HTML features, is not, in practice, a stable is

slow set of guidelines for marking up hypertext documents. Instead, many popular browsers implement nonstandard features that are used widely, and the standardization process to make decisions about and formally codify these extensions. Competition among browser manufacturers creates an environment in which creative innovations (and more nonstandard HTML features) are made available. As a result, this constant innovation in browsers and techniques creates a situation in which the web implementer needs to keep up with changes and the current state of HTML, and possibly change or update code as a result of standardization decisions.

* + User input The web implementer often has close contact with users through mail links in the working web. Users might report faulty links or have comments on how the web works overall. Some of these comments might be minor implementation issues; others might require more work in the planning, analysis, or design process.
  + As the preceding list shows, as a web implementer, you balance many issues in accomplishing your task. Your goal is always to create and maintain the best working web possible, and you therefore must be in close contact with the web analyst, web planners, and web designers. Specifically, your web-implementation task includes the following work:
  + Integrating the design and other information listed previously to come up with a strategy for implementing a web
  + Designing a file-management system that adequately meets the needs for web implementation
  + Creating templates, software, and web components that can be used to implement the web quickly and efficiently
  + Writing HTML files to implement the web "by hand" or through HTML editors, generators, languages, or development environments
  + Maintaining the HTML files so that they are technically correct (validated to the level of HTML as currently known), current (with regard to information or other updates), and usable (have no broken or missing links and meet user needs)
  + The process of web implementation, then, is how a web becomes a working object available for use. In the following sections, I introduce the principles, techniques, and typical implementation problems and solutions.

## Chapter 8

**Deployment and Maintanance**

### Deployment

Deployment is the final phase of our project. Once your website has been **tested thoroughly**, we will deploy it to a fast, secure, & highly scalable server. but we can deploy to any almost any VPS or PaaS. We ensure that all of our deployments have **automatic backups**, an **application monitoring** service, and a suitable SSL **certificate.**

### Monitor Results

By default, we use application monitoring to monitor the status and **performance of your website.** Application monitoring can help us to determine if there are any performance bottlenecks in your website, and can notify if us by email or SMS if the website goes down for any reason.

### Maintenance Calendar & Updates

If you need extended support for your website after launch, we can provide a Service Level Agreement. Generally, our SLAs

include **guarantees** of server uptime, reliability, infrastructure, and hardware.

Maintenance Calendar

Our managed websites are updated according to a specific maintenance calendar. This calendar includes **regular updates** for the server, and any server software. As needed, we also patch any reported vulnerabilities or exploits.

Resolving Bugs

Although we strive to build error and bug free websites, bugs do occur on occasion. We continue to field and fix bugs on all our websites throughout the deployment process, and after. We provide an **easy** means for your organization to report any bugs, and additional **testing** to ensure the bug has been resolved.

**Chapter 9 Conclusion**

In our project by searching, people can get information about no. of beds and plasma available so that they could get help. People can also post their information and can also search.Covid-19 is spreading all over the world beds and plasma are not available everywhere, our project can give information about where is bed or plasma available to that needy person i.e our aim. It is very hard time for all of us so if all come together and help the needy one by giving proper information about bed or plasma, they may recover from covid. This website is not only for the needy one but also for the people who want to help other people.

The COVID-19 pandemic has affected the world in various ways. The deficiency of information, the need for accurate information, and the rapidity of its dissemination are important, as this pandemic requires the cooperation of entire populations. The rapid survey that we conducted had a good response and we show that healthcare professionals and the general public were quite well informed about the coronavirus. They are aware of the measures needed to be taken to reduce the spread of the disease. The knowledge present allows the authors to speculate that the lockdown in India would be effective. The public receives a large amount of information from social media such as WhatsApp and the medical fraternity and government need to develop strategies to ensure that accurate information needs to spread in these fora. The public awareness is quite high and it is important that the knowledge of communication channels be known and be kept at the topmost priority throughout the pandemic.

**Chapter 10**

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