



Website-development - my documentation

Data Structure And algorithm (Kathmandu Institute of Technology)



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ASSIGNMENT COVER SHEET

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| Assignment No | 1/1 | Submission Date | |
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STUDENT ASSESSMENT SUBMISSION AND DECLARATION



When submitting evidence for assessment, each student must sign a declaration confirming that the work is their own.

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Submitted Date:6th May

Table of Contents

| | |
|-----------------|---|
| Scenario 1..... | 6 |
|-----------------|---|

| | |
|--|----|
| Executive summary..... | 7 |
| Scope..... | 7 |
| Objectives..... | 7 |
| Introduction..... | 8 |
| Identify the purpose and types of DNS, including explanations on how domain names are organized and managed..... | 9 |
| Explain the purpose and relationships between communication protocols, server hardware, operating systems and web server software with regards to designing, publishing and accessing a website..... | 17 |
| Review the influence of search engines on website performance and provide evidence-based support for improving a site's index value and rank through search engine optimization..... | 21 |
| Evidence of Search Engine Optimization:..... | 22 |
| Conclusion..... | 23 |
| Evaluate the impact of common web development technologies and frameworks with regards to website design, functionality and management..... | 24 |
| Capabilities and relationships between front-end and back-end..... | 32 |
| Discuss the differences between online website creation tools and custom-built sites with regards to design flexibility, performance, functionality, User Experience (UX) and User Interface (UI)..... | 34 |
| Justify the tools and techniques chosen to realize a custom-built website..... | 37 |
| Scenario 2..... | 40 |
| Introduction..... | 40 |
| Objectives..... | 41 |
| Client Requirement..... | 41 |
| User Requirement..... | 42 |
| Design of all pages..... | 43 |
| Wire frame..... | 93 |
| Explanation of wireframe of SRM project..... | 94 |

| | |
|--|-----|
| Create a suitable Test Plan identifying key performance area and use it to review the functionality and performance of your website..... | 94 |
| Critically evaluate the results of your test plan and include a review of the overall success of your multipage website; use this evaluation to explain any areas of success and provide justified recommendations for areas that require improvement..... | 104 |
| Independent Feedback..... | 104 |
| Project Description (in brief):..... | 105 |
| Important Features of the Project..... | 105 |
| Significance of the Project..... | 107 |
| Project Limitation..... | 107 |
| Feedback Evaluation..... | 107 |
| Interface Design:..... | 108 |
| Coding Architecture:..... | 108 |
| Database Design:..... | 108 |
| Security:..... | 108 |
| Recommendations for future consideration:..... | 110 |
| Interface Design:..... | 110 |
| Coding Architecture:..... | 110 |
| Database Design:..... | 110 |
| Security:..... | 111 |
| Conclusion..... | 111 |
| References..... | 112 |

Scenario 1

1. Prepare a report identifying purpose and types of DNS along with how domain names are organized and managed. You should also explain the purpose and relationships between communication protocols, server hardware, operating systems and web server software with regards to web designing, publishing and accessing a website. Your report should also contain the influence of search engines on website performance along with website crawling, indexing and ranking and provide evidence-based support for improving site's index value and rank through search engine optimization.
2. Write an article evaluating the impact of common web development technologies and frameworks with regards to website design, functionality and management. Also, explain the capabilities and relationships between front-end and back-end website technologies along with their relation to presentation and application layers. You should point out the differences between online website creation and custom-built sites with regards to design flexibility, performance, functionality, user experience (UX) and user interface (UI).
3. Evaluate a range of tools and techniques available to design and develop a custom-built website along with justification to the tools and techniques chosen to realize a custom-built website.

Prithak Creation Pvt. Ltd.

Kathmandu, Nepal



Report of DNS, Purpose, Types, Management and Hosting

Submitted by:

YAMAN CHAPAGAIN

Internee

Submitted to:

Mr. Rupak Chaudary

Managing director

Executive summary

This report contains the types of DNS along with the management and organization of domain names. It includes the explanation on purpose and relationship between communication protocols, server hardware, operating systems and web server software with regards to web designing, publishing and accessing a website. My report also contains the influence of search engines on website performance along with website crawling, indexing and ranking and provide evidence-based support for improving site's index value and rank through search engine optimization. Similarly, this report contains an influence of SEO on the performance of website.

Scope

This report covers the types and purpose of domain name system namely primary DNS and secondary DNS which helps to know how IP address is converted to domain and vice versa. Similarly, this report covers the explanation on purpose and relationship between communication protocols, server hardware, operating systems and web server software with regards to web designing, publishing and accessing a website. Moreover, this report contains the influence of search engines on website performance along with website crawling, indexing and ranking and provide evidence-based support for improving site's index value and rank through search engine optimization. Lastly, this report contains an influence of SEO on the performance of website.

Objectives

The objectives of this report are listed below,

1. To have Domain Name Device forms.
2. To explain domain name organization and hosting.
3. To show the steps to register an available domain.
4. To demonstrate the function and relationship of communication protocols, server equipment, operating system, and applications on web servers.
5. To illustrate the influence of rising web creation technology and frame functions.

Introduction

According to the scenario I am an internee of Prithak Creation Pvt. Ltd and I am supposed to prepare a report to identify the purpose and types of DNS along with the management and organization of domain names. I should also explain the purpose and relationship between communication protocols, server hardware, operating systems and web server software with regards to web designing, publishing and accessing a website. My report also contains the influence of search engines on website performance along with website crawling, indexing and ranking and provide evidence-based support for improving site's index value and rank through search engine optimization.

I also have written an article evaluating the impact of common web development technologies and frameworks with regards to website design, functionality and management. And also, I have mentioned explanations on the capabilities and relationships between front-end and back-end website technologies along with their relation to presentation and application layers. I have point out the differences between online website creation and custom-built sites with regards to design flexibility, performance, functionality, user experience (UX) and user interface (UI).

Below I have done an evaluation on a range of tools and techniques available to design and develop a custom-built website along with justification to the tools and techniques chosen to realize a custom-built website.

Identify the purpose and types of DNS, including explanations on how domain names are organized and managed.

DNS (Domain Name System):

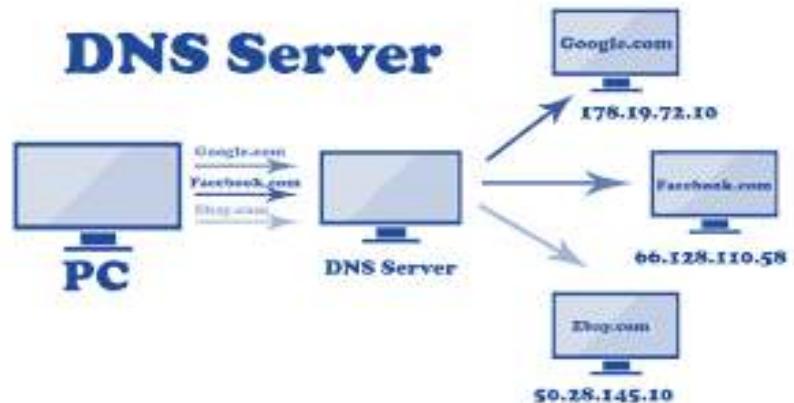
Computers can only communicate using a series of numbers, so DNS has been built as a kind of "phone book" that converts the domain you enter in your browser into an IP readable device. Thirty years ago, when the Internet was still in its infancy and you wanted to visit a website, you had to know the IP address of the website. This is because computers are and have only been able to communicate using numbers. ("What Is Domain Name System? (DNS Definition)", 2021)

Purpose of DNS

- Browse the internet
- no IP remembering issues
- Security improvement
- Faster communications.

Types of DNS

The number of servers that are partially distributed across the internet, but only 13 servers is known as root DNS servers because they are located on each of the 13 servers in the global database. There are only two ways to use the primary DNS server and the secondary DNS server. . It should be noted, however, that either of the two DNS servers can be used as the primary or secondary server, depending on the preference of the admin server. You can also use a single primary server as a backup for any other region. On these DNS server forms, the following information is provided:



➤ Primary DNS server:

This server locates and reads data on a web server like Big Rock and GoDaddy from the domain zone file mainly A. In addition, the main node passes the information to secondary data.

The database is managed by a network manager so that other clients can access the zone information. It primarily consists of the DNS files I mentioned earlier. The primary server is referred to as the zone transition or field relocation once data has been transferred from one server to another. Each domain is always built with two DNS servers. This is primarily due to the development of the backup and the dual user security provided by a number of servers. When you build and copy zone data, there are primary databases.



➤ **Secondary DNS server:**

Each domain should be supported with at least one secondary repository. Furthermore, the NIC will not allow a domain to be officially registered as a top-level domain until it has two functioning DNS servers. The features listed below also apply to secondary servers.

- A secondary database is available for each domain
- A copy will be accessed from the same primary or secondary domain server for all domains you cover.
- We regularly receive updates from the main servers of the domain.

➤ **Caching-Only server:**

The DNS domain data only store these servers. We have no domain expertise. Store-only servers supported the following features:

- Use search names in the local database
- DNS clients may access local cached names without the establishment of a primary or secondary DNS server.
- It removes a secondary data overhead transfer field from main servers.

➤ **Forwarding server:**

The data bases are the primary and secondary versions of the database, which act as focus points for all DNS queries outside the domain. A server is known as a redirecting service, and the server is used to transfer all requests outside the domain. On forwarding servers, the following features are supported:

- We're used for off-site project centralization.
- If transmitters don't deal with queries, they can still reach remote sites, DNS servers themselves from the local database.

("DNS Types: Types of DNS Records, Servers and Queries", 2021)

Explanation of Domain name organize and hosting

The process to upload the files in web server is called Website domain name organization and hosting. Before uploading files in web server, we need to configure Domain Name, Name Server and Domain Name Space. First of all, it required to find available domain name using www.whois.com which is look up for the website. It is an online collection of network and website penetration testing tools including scan, information gathering and ping.

The screenshot shows the Whois website interface. At the top, there is a logo with the text "Whois" and "Identity for everyone". A search bar on the right contains the placeholder "Enter Domain or IP". Below the search bar is a navigation menu with links: DOMAINS, WEBSITE, CLOUD, HOSTING, SERVERS, EMAIL, SECURITY, WHOIS, and SUPPORT. In the main search area, a search bar contains the text "yamanchapagain.com" and a green "Search again" button. Below this, a result card for "yamanchapagain.com" is displayed, stating "is available" with a checkmark icon. It offers a "1 year" option for \$10.88, with a "Select" button. Further down, under "More domains to consider", there are two more options: "yamanchapagain.net" for \$12.48 and another partially visible domain for \$13.88, also with a "Select" button.

After finding available domain name we can register domain registration gathering information as per requirement of ICANN. Internet Corporation for Assigned Names and Numbers (ICANN) broadly requires that the mailing address, phone number and e-mail address of those owning and administrating a domain name should be made publicly available through the "WHOIS" directories. You should go to a registrar, pay a registration fee that costs around 10 USD per year for that name. That will give you the right to the domain name for a year. You should renew it annually for the same amount per annum.

Some of the biggest registrars where you can register your domain are given below –

- GoDaddy - with the URL <https://uk.godaddy.com>
- Name – with the URL <https://www.name.com/>
- iPage – with URL <https://www.ipage.com>
- BlueHost – with URL <https://www.bluehost.com/>
- Hostgator – with URL <https://www.hostgator.com/>

Now, let us see step by step how to register a domain name:

- Choose a domain

| Domain | Price | Status |
|------------------|---------------------|-------------|
| wpcupidblog.com | \$7.95/yr - 1 year | Unavailable |
| wpcupidblog.club | \$9.95/yr - 1 year | Available |
| wpcupidblog.site | \$0.95/yr - 1 year | Available |
| wpcupidblog.net | \$12.95/yr - 1 year | Available |

Then, add domain privacy

Domain Privacy Protection
\$1.25/mo (Billed Annually @ \$14.95)
Let HostGator.com help protect your identity online! Privacy Protection hides your personal contact information from public view.

Add Domain Privacy Protection for testexample383.com

Select package

| | |
|---------------|--|
| Package Type | Hatching |
| Billing Cycle | 36 months @ \$2.75/mo - 60.50% Off! 1 month @ \$10.95/mo 3 months @ \$10.95/mo 6 months @ \$10.95/mo 12 months @ \$5.95/mo - 33.52% Off! 24 months @ \$3.58/mo - 55.00% Off! 36 months @ \$2.75/mo - 60.50% Off! |
| Username | May not contain special characters/values |

Now, let's give username and security pin

| | |
|--------------|---|
| Username | Enter a username May not contain capital letters Must start with a letter Must be 2-12 characters long May not contain special characters/values Must not be a reserved word |
| Security PIN | 4-8 Digits <i>Your PIN will help verify account ownership when contacting Customer Support.</i> Must be 4-8 characters long May only contain numbers |

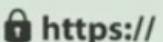
Then, enter billing information

 **3. Enter Your Billing Info**

| | | | |
|---------------|----------------------|--|---|
| Email | example@gmail.com | Payment Type | <input checked="" type="radio"/> Credit Card <input type="radio"/> PayPal |
| Confirm Email | example@gmail.com | Name On Card | Pat Q. Public |
| First Name | Pat | Credit Card Number | 4444 3333 2222 1111 |
| Last Name | Public | CVV Code <small>(What is this?)</small> | 123 |
| Company | Not Required Inc. | Expiration Date | 01 / 2019 <small>(mm/yyyy)</small> |
| Phone | eg. (555) 901-9012 | Tax Exemption ID | <input type="text"/> |
| Address | 123 Mockingjay Rd | <small>*Effective February 15th, renewals may include tax for the state you have chosen*</small> | |
| Address 2 | Optional | | |
| Country | United States | | |
| Zip Code | eg. 90210 (Required) | | |
| City | City Name | | |
| State | Texas | | |

Add additional services

4. Add Additional Services

| | |
|---|--|
|  https:// Free SSL Certificate | <input checked="" type="checkbox"/> Assure Safety To Your Visitors & Convert Them To Customers. Included Free! SSL certificates assure your customers and visitors that any data (credit cards, passwords etc) they enter on your site is secure, and protected. Earn the trust of your visitors and convert them into customers. SSL Terms |
|  SiteLock Monitoring | <input type="checkbox"/> Protect Your Site From Hackers. (Powered By SiteLock) -- Highly Recommended \$1.67/mo (Billed Annually @ \$19.99) SiteLock is a monitoring service that checks your website daily and immediately notifies you if your website has been hacked or injected with malicious code. |
|  Professional Email | <input type="checkbox"/> Get professional email (you@yourdomain.com) and more from Google Cloud \$5.00/mo (Billed Monthly) Add Gmail, Calendar, cloud storage with Drive, video conferencing with Hangouts Meet and more. Powered by Google Cloud. |
|  Site Backup | <input type="checkbox"/> Backup Your Hard Work. (Powered By CodeGuard) \$2.00/mo (Billed Annually @ \$23.95) It's insurance for your website. Get daily automated website backup for all web files and databases with a 1-click restore. |
|  HostGator SEO Tools | <input type="checkbox"/> Improve Your Search Ranking and Increase Website Visitors. \$2.95/mo (Billed Annually @ \$35.40) HostGator SEO Tools provides you easy-to-follow insights and analytics that help improve your search rankings, boosts your website traffic, and monitors local competition. |

Enter coupon code,

5. Enter a Coupon Code

| | | | |
|-------------|------------|-----------------|---|
| Coupon Code | SHARED3660 | Validate |  |
|-------------|------------|-----------------|---|

Then, the process is finished.

Explain the purpose and relationships between communication protocols, server hardware, operating systems and web server software with regards to designing, publishing and accessing a website.

In this task I'll talk about the connections between communication protocols, server hardware, operating systems, and web server software. . So, lets us make clear what the individuals are and at last we will talk about relationship between them.

Communication protocol:

It covers the authentication, error, detection and correction of the network. Communication protocol implements hardware and software to access websites it helps in transferring information across the internet. ("Communications Protocol ", 2021)

Server Hardware:

The primary function of this server is to store, retrieve, and send data from a source to a destination. For many workloads, the server provides the source and processing memory. The hardware requirements for each user are always different. For operation, the global network internet requires a large amount of computer hardware located all over the world. ("Server Hardware", 2021)



Purpose of Server hardware:

- To remain within the clients in order to share data and perform tasks in order to maintain a smooth and productive flow of work.
- To provides higher computation power than a normal hardware or computer.
- To provides one or more than one specific services.

Benefits of Server hardware:

- The server hardware houses all of the resources.
- In comparison to a client computer, it has a faster processor, more memory, and more storage space.

("Learn the major types of server hardware and their pros and cons", 2021)

Operating Systems:

These are preferred as the main components inside a newly constructed home, as they help in the home's functioning and proper organization. Every computer must have operating software in order to function. You can't access any files or browse the internet without an operating system installed on your computer. We can access the software, the internet, and many other things after only installing the operating system. ("Operating Systems: Everything You Need to Know", 2021)

www.Guide4BankExams.blogspot.com



Purpose of OS

- to work as an interface between the user and the computer hardware.
- to coordinate the distribution of computer hardware
- to provide a platform on which a client can efficiently and conveniently execute or run programs
- to control and manage resources like a traffic controller, scheduler, memory management module, input/output programs, and even a file system

("What is the Purpose of Operating System?", 2021)

Web Server Software:

The Web server software is a program that responds to client requests via the World Wide Web (WWW) using HTTP (Hypertext Transfer Protocol) and other protocols. Web server software keeps track of how users access files hosted on the server. It is accessed via the website's domain names and ensures that the website's content is delivered to the demanding user. ("What is a Web Server and How Does it Work?", 2021)



Purpose of Web Server Software:

- To store, process, and deliver web pages to customers.
- To allow for the transfer and storage of files using the FTP protocol.
- To allow for emailing using the simple mail transfer protocol.

- To work with a variety of operating systems. To oversee the server's entire operation.
- Using an integrated search engine to create dynamic pages.

("What is Web Server? Definition of Web Server, Web Server Meaning - The Economic Times", 2021)

Relationship between communication protocols, server hardware, operating system and web server software

Basically, as they are hardware and software we can say each of them are related to each other and what happens between them is communication, which helps us to do communication. As hardware and software are the most required things in the computer. As the hardware only is dumb machine and software only is just series of 10101. So, if we combine both of them properly and use them, we can achieve a positive result. Because web server software is used on server hardware, it can only provide the user with the web page interface. We, the users, and the hardware would be nothing without the software, which allows us to interact. After hardware and software, the operating system is the most important component of a computer because it is one of the software components that aids in the overall operation of the machine. For accessing files over the internet, communication protocols are implemented in the hardware device and software system. Many servers, both hardware and software, are combined to form a large network known as the internet, and another large server is Google, which is also a large company. As a result, all of the devices are interconnected, and if one fails, the others are rendered useless.

("Explain the purpose and relationships between communication protocols, server hardware, operating systems and web server software with regards to designing, publishing and accessing a website Best Custom Essay Writing Services | EssayBureau.com", 2021)

Review the influence of search engines on website performance and provide evidence-based support for improving a site's index value and rank through search engine optimization.

Website improvement is the most expected thing to streamline the outcomes that is appeared by the web. Site execution is straightforwardly affected by the SEO that is Search Engine Optimization.

Now, let us talk about what is SEO and for what reason is it needed too.

Search Engine Optimization(SEO): SEO stands for Search Engine Optimization, which is a technique for expanding the amount and nature of traffic on your site by natural web search tool results Any search engine you use has a loader that goes out and collects data on everything you can find on the Internet. The goblins return to the search engine for all of the details in order to construct an index. The index is then fed through an algorithm that tries to fit all the data to your query. ("What Is SEO / Search Engine Optimization?", 2021)

There are two main segments which defines the presence of SEO:

On-page SEO

- Relevance (Content, Keywords)
- Architecture (Page design, UX, Performance)

Off- page SEO

- Social media presence (brand trust, engagement)
- Linking (Quality, Credibility)

The ways for improving a site's index value and rank through search engine optimization are given below:

- i. **Earn relevant link** – We need to make the sites' links very reliable so that they can help us to boost up the rankings we need to gain some positive response from the high-ranking search engines like Google. We can make our links end to the online bloggers as well as

to the local and global reporters.

- ii. **Add keywords in tactical places:** we need to play the tactics game in the word or keyword play. We must create appropriate company URLs and page titles that aid in optimization and flash. Adding keywords to these locations sends relevancy signals to search engines, allowing our site to show up as people search for those names.
- iii. **Increasing the quality of the content published:** Only high-quality content is accessed by users on the internet. We will provide high-quality content that will help us grow as well as boost our search engine rankings. If the content is proper and well organized it spreads in the people and is sold easily. They help in the developing of the site page just as improve the nature of clients that comes in visiting site page. So, details inside the webpage are very important. ("What Is SEO / Search Engine Optimization?", 2021)

Evidence of Search Engine Optimization:

Using the meta-tag:

Meta Tags is a tool for debugging and creating meta tag code for websites. You can edit and play with the content using Meta Tags, and then see how your web page appears in a search engine.

The example of use of meta-tag is shown below:

```
<meta charset="utf-8">
<meta name="copyright" content="Dirghayu Hospital Pvt. Ltd., X-Ray, Video X-Ray, CT-SCAN, Pathology, Lab, Pharmacy,
Endoscopy, ECG, ICU and NICU">

<meta name="author" content="http://www.dirghayuhospital.com">

<meta name="keywords" content="Dirghayu Hospital Pvt. Ltd., X-Ray, Video X-Ray, CT-SCAN, Pathology, Lab, Pharmacy,
Endoscopy, ECG, ICU and NICU">

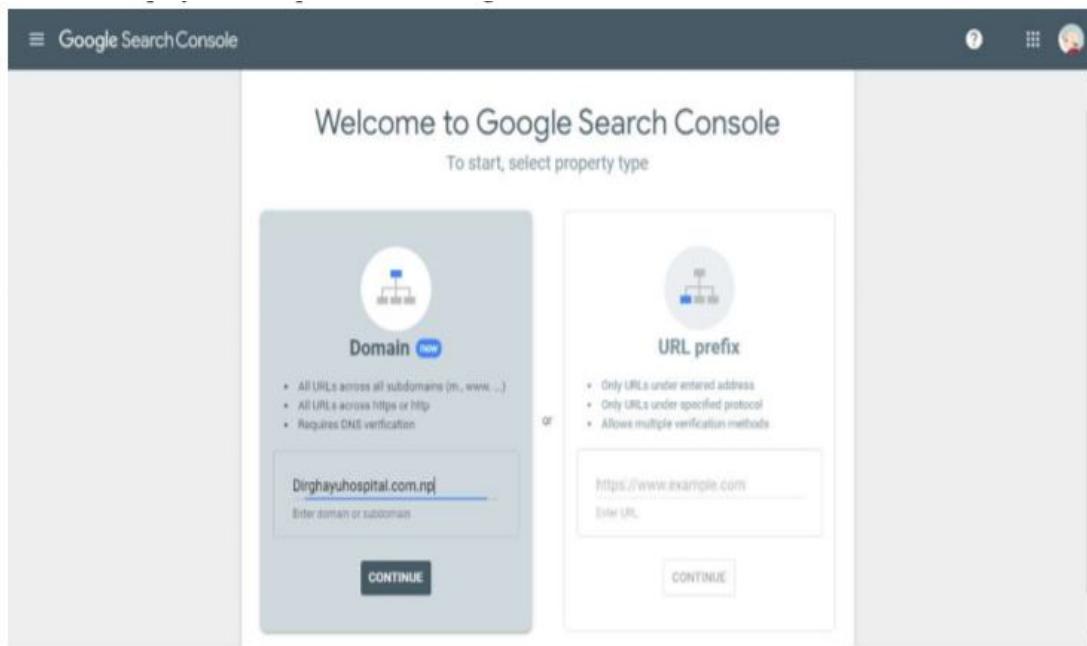
<meta name="description" content="Dirghayu Hospital Pvt. Ltd., X-Ray, Video X-Ray, CT-SCAN, Pathology, Lab, Pharmacy,
Endoscopy, ECG, ICU and NICU">
```

So, meta-tag is used in the SEO as well. ("SEO - Optimized Metatags - Tutorialspoint", 2021)

Google Webmaster tool:

Google Webmaster Tools is a free service that helps you evaluate and maintain your website's performance in search results. It is a free service that Google provides. It is a conduit of information from the largest search engine in the world to the users. It also offers insights into how it sees the website and help uncover issues the need fixing. It tells you the most popular queries causing your

website to appear in search results. It tells which queries are driving most traffic. It displays which queries are linking the website.



("The Importance of Using Google Webmaster Tools for SEO", 2021)

Conclusion

In this report, I have identified the purpose and type of DNS, explained the relationship and purpose between the server hardware, communication protocols, web server software and operating system with regards to accessing, publishing and designing a website. I have also reviewed the influence of search engines on website performance and provide evidence-based support for improving a site's index.

Thank you

Best regards

YAMAN CHAPAGAIN

Evaluate the impact of common web development technologies and frameworks with regards to website design, functionality and management.

Article: Common web technologies with relationships between front-end and back-end and differences between online website creation tools and custom-built sites

Date: 2021-05-04

Author: YAMAN CHAPAGAIN

Common web technology and frameworks

In terms of website design, functionality, and management, we need to assess the impact of common web development technologies and frameworks. In the field of web development, there are numerous tools available. We need to figure out which tools are used for both the front end and the back end. Our front-end technology included HTML5, CSS3, JavaScript, and the bootstrap framework. The tools used in the backend were MySQL and PHP.

Website: A website can be defined as a collection of several Web Pages that are all related to each other and can be accessed by visiting a homepage, by using a browser like Internet Explorer, Mozilla, Google Chrome, or Opera. Websites primarily act as a bridge between one who wants to share information and those who want to consume it. ("Website Development - Introduction - Tutorials point", 2021)



Welcome to Sunkoshi Rural Municipality

Sunkoshi Rural Municipality is a rural municipality in Sankhuwasabha district of Bagmati Pradesh in Nepal. The Rural municipality is divided into 7 wards. According to 2011 Nepal census, the total population of the municipality is 21,473 with 4,557 households. The total area of the municipality is 156.68 square kilometres (61.27 sq mi). The headquarter of the municipality is at Jhangajholi Ratnata.

[Read More](#)

Latest Notice and Information

Sunkoshi Rural Municipality have a android application to download and use [\[2020-05-02\]](#)



You can download and use Sunkoshi Rural Municipality's android application from play store to download and use. You can easily get notices from app, also it makes transparent to government towards peoples of sunkoshi municipality. This is recent project of sunkoshi rural municipality to develop community standard.

Dissolved Ministry of Federal Affairs and Local Development [\[2020-08-01\]](#)



Ministry of Federal Affairs and General Administration (Nepali: नेपाली संसदीय सरकार), popularly MoFAGA, is the ministry of Nepal accredited with the role of coordination, cooperation, facilitation and monitoring and evaluation of activities undertaken by local governments' regulation and management of the civil service in the country.

One of the seven provinces of Nepal established by the constitution of Nepal-Bagmati [\[2020-05-02\]](#)



Bagmati Pradesh (Nepali: बागमती प्रदेश) is one of the seven provinces of Nepal established by the constitution of Nepal as of 20 September 2015. [3] With Kathmandu as its provincial headquarter,[4] the province is the home to the country's capital Kathmandu, is mostly hilly and mountainous, and hosts major rivers like Bagmati, Kosi, Rapti, Narayani, Bhote Kosi, and Ganesh. The province covers an area of 20,300 km² - about 14% of the country's total area, and has an altitude low enough to support deciduous, coniferous, and alpine forests and woodlands. Temperature varies with altitude. Rainfall takes place mainly during the summer.

Search

[\[Search\]](#)

News Feeds

Notice:

Announced the Village development committee in sunkoshi
One of the seven provinces of Nepal established by the constitution of Nepal-Bagmati
Sunkoshi Rural Municipality have a android application to download and use
Dissolved Ministry of Federal Affairs and Local Development

Gallery



Community of Solukhumbu



A Village Development Committee (VDC) (Nepali: गाउँ विकास समिति) in Nepal was the lower administrative part of the local government system under the Ministry of Development. Each district had several VDCs, similar to municipalities but with greater public-government interaction and administration. There were 3,157 village development committees in Nepal.

Pritihvi Highway of Sunkoshi



The construction of the highway started in 1957 with the help of the Chinese government. The construction was completed in 1971. The highway starts after Koshi Pithan Narayan Shoh, Then landslide-prone and heavily congested highway passes through Phurko Khola, Koshi, Chitwan, Chitwan, Tanahu and Kaski [1]. This highway has a junction with Trishuli River Highway at Maleku. The Tharaputra bridge segment connects the highway to Trishuli Highway, the longest highway in Nepal. The highway also connects Nuwakot District via a newly constructed highway to Gailali connecting to the district headquarter of Dhadki District at Phurko Khola, Maleku. Until 2011 opening of the highway, the highway was considered the only improved land route from Kathmandu Valley to all points south, and as such the main artery for heavy trucks into Kathmandu Valley and into Pokhara.

Tourism area of Sunkoshi



Sunkoshi River is also known as the "River of Gold". It is one of the most well known and commercial rivers of Nepal. The river stands high altitude at the base of the river rafting trips in the world. Sunkoshi River Fishing is the combination of the adventurous rafting in the rapids of River white fishing in some specific spots of the river. Sunkoshi River Rafting with Nepal Guide Treks starts at Kathmandu, From Kathmandu, we will take a bus to Dolalghat and then towards Dolalghat. Our drive offers splendid views of mountain ranges including the views of Mount Everest. We will be involved in rafting activities for livelihood. Once we reach Dolalghat, we quickly unload our bag packs and fishing gears and get ready for our adventurous rafting on Sunkoshi river.

Notice:

Dissolved Ministry of Federal Affairs and Local Development
Sunkoshi Rural Municipality have a android application to download and use
One of the seven provinces of Nepal established by the constitution of Nepal-Bagmati
Announced the Village development committee in sunkoshi

IT Manager:

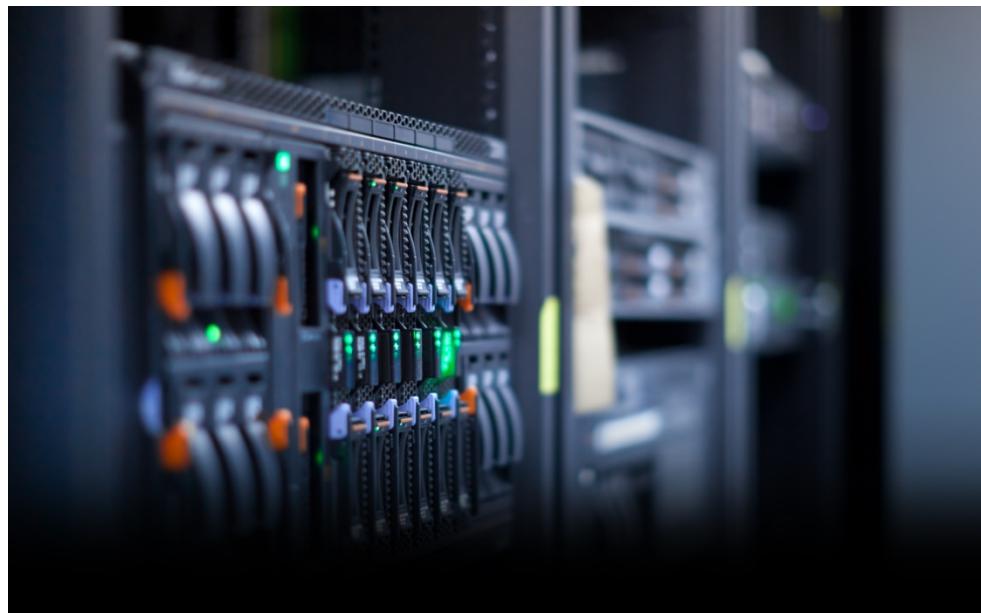
Bipash Ghimire
Bharatpur-10, Chitwan
Phone: 9850147349
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URL: www.bipashaghimire.com.np

Contact us

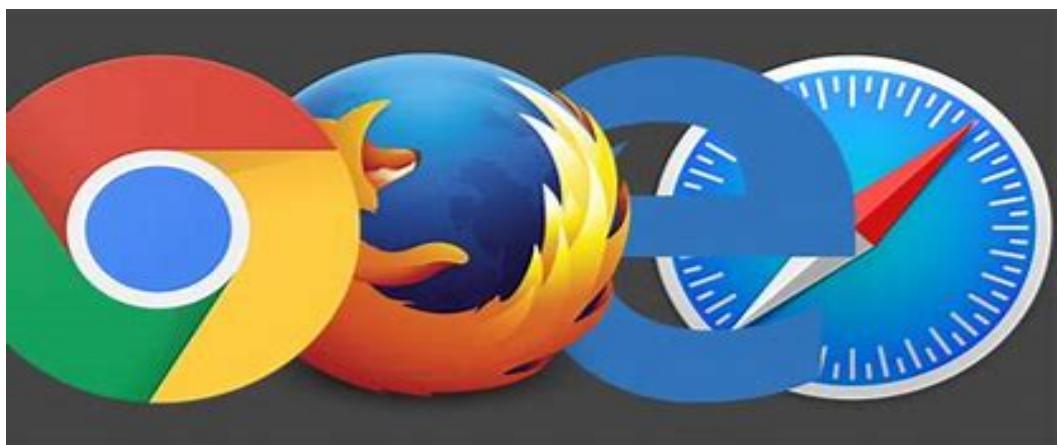
Sunkoshi Rural Municipality
Solukhumbu, Nepal
Phone: +977 9841243227
Email: info@sunkoshimun.com
URL: www.sunkoshimun.com

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Web Server: A web server is a hardware or software program that allows a computer to run a website. Apache, for example, is a well-known web server that runs on a number of popular operating systems. The Transmission Control Protocol and the Internet Protocol are used by web servers to communicate with clients (people who visit their hosted websites). ("What is a Web Server? | Web Server Definition & Meaning", 2021)



Web browser: A web browser is a software program that allows you to find, access, and view web pages. The term "browser" is commonly used to refer to a web browser. Web technology: You can go anywhere on the internet with a web browser. It gathers data from various parts of the internet and displays it on your computer or mobile device. The data is sent via the Hypertext Transfer Protocol, which specifies how text, images, and video are sent over the internet. ("What is a web browser?", 2021)



Front end:

Everything that a user sees and interacts with in a software program or website is called front end, or client side development. It's referred to as a graphical user interface. Everything we see on the Internet, from fonts and colors to dropdown menus and sliders, is made up of HTML, CSS, and JavaScript, and is referred to as the front end. ("Definition of FRONT-END", 2021)

1. HTML (Hyper Text Markup Language):

HTML describes the structure of websites. Its elements are represented by the tags. It defines the meaning and structure of web content. We can create our own website very easily in HTML. The files saved are with .HTML extension. Example of HTML:

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>
<h1>This is a Heading</h1>
<p>This is a paragraph</p>
</body>
</html>
```

We can see in the above example that the <html> tag starts the process and ends it, and the same is true for the body. HTML5 is determined by the first tag, <!DOCTYPE html>. We also understand that it serves as a foundation for web development. ("what-is-html", 2021)

2. CSS:

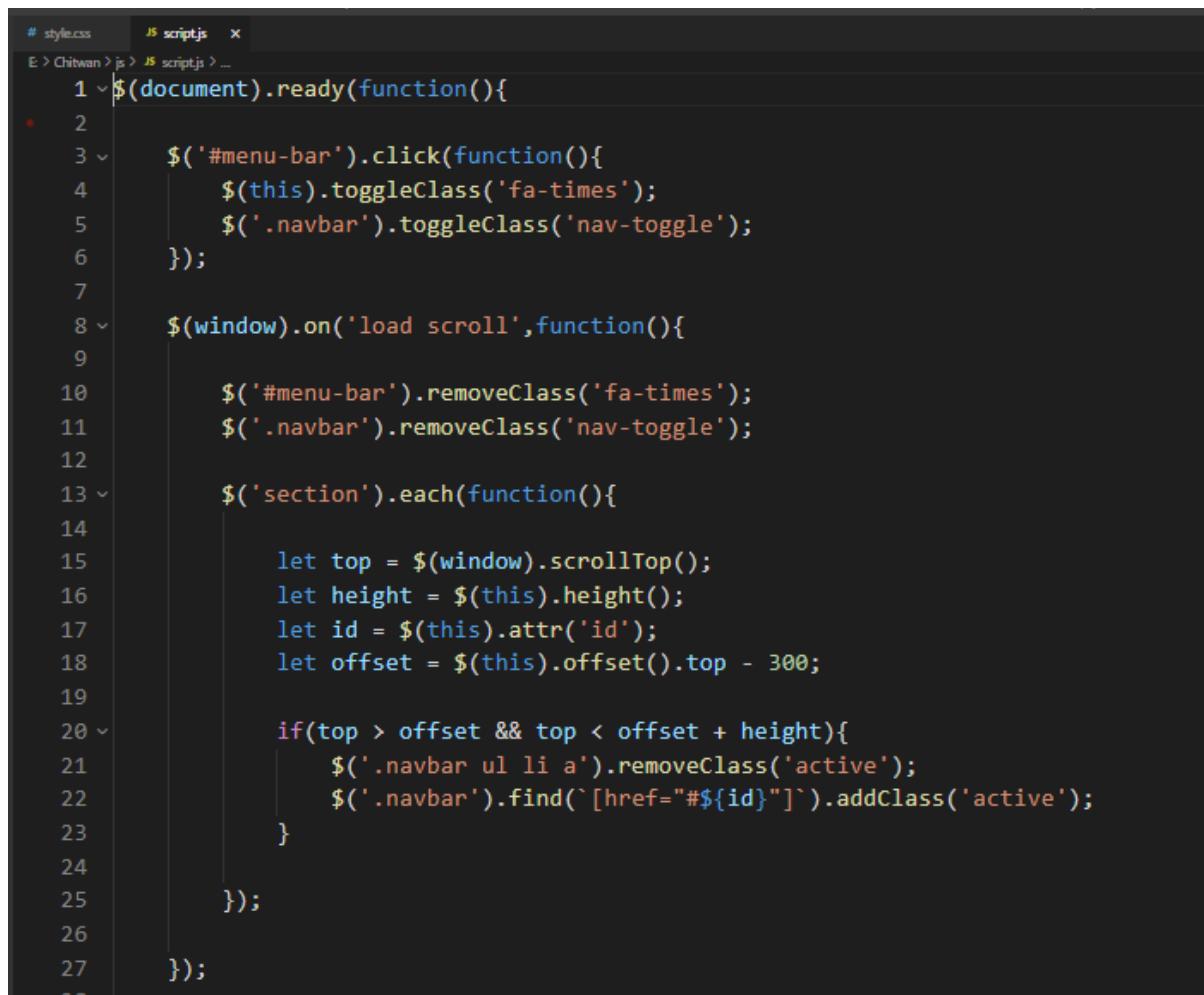
It stands for cascading style sheets. CSS is a language that describes the style of an HTML document. CSS describes how HTML elements should be displayed. CSS, can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs, variations in display for different devices and screen sizes as well as a variety of other effects. The files are saved with .CSS extension.

```
# style.css  x
E > Chitwan > css > # style.css > ↗ html
  1 :root{
  2   --yellow: #F7CA3E;
  3 }
  4
  5 *{
  6   font-family: 'Roboto', sans-serif;
  7   margin:0; padding:0;
  8   box-sizing: border-box;
  9   text-decoration: none;
 10   outline: none; border:none;
 11   text-transform: capitalize;
 12   transition:all .2s linear;
 13 }
 14
 15 h1, h3{
 16   font-family: 'Oswald', sans-serif;
 17 }
 18
 19 *::selection{
 20   background:var(--yellow);
 21   color:#fff;
 22 }
 23
 24 html{
 25   font-size: 62.5%;
 26   overflow-x: hidden;
 27 }
 28
 29 body{
 30   overflow-x: hidden;
```

The following is an example of CSS and some coding for webpage styling. ("What is CSS | Types | Syntax | CSS with HTML with Example - EyeHunts", 2021)

3. JavaScript:

JavaScript is a web programming language that can update and modify HTML and CSS. It can also calculate, manipulate, and validate data. It's also known as a very light integrated programming language. There are several JavaScript frameworks, including NODE.JS, jQuery, and Angular JS, which are some of the most well-known JavaScript frameworks. It is a free-flowing language that can handle both the front-end and the back-end. The example of JavaScript is given below:



```

# style.css      JS script.js
E > Chitwan > js > JS script.js > ...
1 $(document).ready(function(){
2
3     $('#menu-bar').click(function(){
4         $(this).toggleClass('fa-times');
5         $('.navbar').toggleClass('nav-toggle');
6     });
7
8     $(window).on('load scroll',function(){
9
10        $('#menu-bar').removeClass('fa-times');
11        $('.navbar').removeClass('nav-toggle');
12
13        $('section').each(function(){
14
15            let top = $(window).scrollTop();
16            let height = $(this).height();
17            let id = $(this).attr('id');
18            let offset = $(this).offset().top - 300;
19
20            if(top > offset && top < offset + height){
21                $('.navbar ul li a').removeClass('active');
22                $('.navbar').find(`[href="#${id}"]`).addClass('active');
23            }
24
25        });
26
27    });
28

```

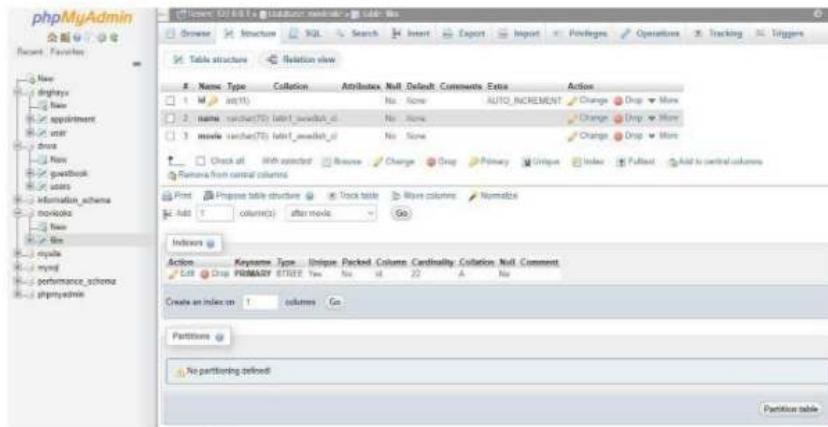
Now we are talking about the languages we used for back-end development ("JavaScript Example - javatpoint", 2021)

Back end:

The back end refers to the parts of a computer application or website's code that enable it to function but are not visible to users. The back end of a computer system stores and accesses the majority of data and operating syntax. The code is usually written in one or more programming languages, such as: ("Back-End Web Architecture | Codecademy", 2021)

1. MySQL:

MySQL is a relational database management system (RDBMS) that is based on Oracle's Structured Query Language (SQL). MySQL runs on almost every platform, including Linux, UNIX, and Windows. MySQL is most commonly associated with web applications and online publishing, though it can be used in a variety of applications. Below figure shows MYSQL server.



("What is MySQL? - Definition from WhatIs.com", 2021)

1. PHP:

PHP stands for "Hypertext Preprocessor," and it is an open source scripting language that is widely used. PHP scripts are free to download and use and run on the PHP server. We can use PHP to add, edit, and delete data from the database. . In addition, PHP has many hash functions for encrypting user data, making it a safe and efficient server-side programming language. It is very reliable and convenient because it is free to download and use. The figure below show the sample of PHP code:

```
<?php
$uat = $_POST['fname'];

$conn=mysqli_connect("localhost","root","","moviecite");
$sql="insert into film (name) values('".$uat."')";

if (mysqli_query($conn, $sql)) {
    echo "New record ".$uat." added.";
}
else
{
    echo "Error: " . $sql . "  
" . mysqli_error($conn);
}
echo "The insert is undermaintance";
?>
```

("PHP: What is PHP? - Manual", 2021)

Framework: A framework is a software application development platform. It lays the groundwork for software developers to create programs for a specific platform. Some examples are: ("Framework Definition", 2021)

1. Bootstrap:

Bootstrap is a front-end development platform for creating websites and web apps that is free and open source. We used Bootstrap to create a mobile-friendly website with a CSS grid layout. Along with the implementation system, Bootstrap includes user interface elements, templates, and JS tools. The software can be downloaded as a pre-compiled or as source code. ("What is Bootstrap - JavaTpoint", 2021)

2. Angular JS:

Angular JS is a framework for building dynamic web applications. It allows you to use HTML as your template language and extend HTML's syntax to express the components of your application clearly and succinctly. Data binding and dependency injection in AngularJS eliminate a lot of the code you'd have to write otherwise. And because it all happens in the browser, it's an ideal partner for any server technology. ("AngularJS — Superheroic JavaScript MVW Framework", 2021)

3. React JS:

React JS is an open source JavaScript library for creating reusable user interface components. It encourages the development of reusable user interface components that display data that changes over time. It can be used on client and server side as well as with other frameworks. ("ReactJS - Overview - Tutorialspoint", 2021)

4. Laravel:

Laravel is an open source powerful PHP MVC framework for developers looking for a simple and elegant toolkit to build full-featured web applications. Taylor Otwell is the creator of Laravel. ("Laravel Tutorial - Tutorialspoint", 2021)

5. Django:

Django is a high-level Python Web framework that promotes rapid development and simple, practical design. It's built by experienced developers to take care of a lot of the headaches of Web development so you can concentrate on writing your app instead of reinventing the wheel. It's open source and free. ("The Web framework for perfectionists with deadlines | Django", 2021)

Capabilities and relationships between front-end and back-end

The relationship between the front-end and back-end in website technologies will be explained in this task, as well as how they relate to presentation and application layers. First of all, let us discuss about the front-end technologies that are present in website technologies and they are given below:

Front-end technology: The front-end part of this project was built with HTML5, JavaScript, Bootstrap, and CSS3. HTML stands for Hypertext Markup Language and is used in this section. It's the basic markup language for creating documents that can be viewed in a web browser. It is delegated to Cascading Style Sheets (CSS) and JavaScript-like scripting languages. These are interrelated and help in building of website as CSS styles the website HTML does the basics and JavaScript does the basic scripting.

For the designing and editing of photos and videos, as well as logos and photo designs, we use Photoshop, Premier Pro, and After Effects. Then, to create quick responsive websites, we use the Bootstrap framework. Bootstrap is based upon the design templates for button, navigation bar and other components as well contained by CSS and JavaScript.

Now, moving to another technology which is:

Back-end technology: PHP, MySQL, Asp.Net, and SQL Server/Oracle/Access are used in the back-end process. The backend technology is the frame of the website as all the backend is like backbone of the human.. It is controlled indirectly by the front-end and aids in its operation. The main application logic, databases, application integration, API, and other backend processes are all part of the backend system. Here the communication between the server and the client happens due to .Net framework. And MySQL is helping to maintain, update and retrieve the data. That means it is helping in the database sector. As database is known as the storage house and keeps the data linked with the main website. And then PHP is used as programming language to implement the module in a web server. PHP is used in the development process as it is known as server scripting language. It helps to connect the server and the end-processed user. They have the extension .PHP

How are front end and back-end related to each other?

What we see is the website's front-end, also known as the graphical interface, which the user can see and interact with. The back-end, also known as server-based development, is a large backstage operation that takes place behind the scenes. We can say that as the relationship question the frontend deals with presentation layer directly and the back end is related with application layer. They are inextricably linked because we can't show anything by doing back-end processing; instead, we need good interface design and a front-end processing person to show and exhibit our work done by sitting and writing codes. All of the things we see as users are known as front end, and all of the processes done by sitting at a table with a computer writing codes that aren't visible to users are known as back-end. They are inextricably linked because the back-end is responsible for coding and the creation of forms, whereas the front-end is responsible for making the website look appealing and functional. As a result, we can say that they are both related at the root; they are like two wheels on the same cart; if one fails, the other cannot function. ("What is the difference between Front-End and Back-End Web Development? - GeeksforGeeks", 2021)

Discussion of web technologies related to presentation and application layer:

Front end website is the graphical or visual interface the user sees while backend on another hand is a server-side development. Front end deals with the presentation layer and backend technology deals with the application layer. The beautiful design of any website is the front end of the website. Comment box, login, and online forms and like count are some features developed with the backend technology. Cooperation between both the technology is essential for establishing data schema and authorization type for project. ("The Three Layers of Web Design | Raleigh Web Design", 2021)

Discuss the differences between online website creation tools and custom-built sites with regards to design flexibility, performance, functionality, User Experience (UX) and User Interface (UI)

Online website creation tools: It is the resources that build the website, as the models are already accessible on their website, and we can create our own website by simply entering some details and choosing the type of design we want. All of the coding is made templates and already fixed. They change the code on their own based on the user's requirements. When the specifications change, the format of online web design software changes as well. Wix.com, Jimdo.com, Yola, and other online development resources are only a few examples. These are primarily used to create a fast and clean website format. They have a limited range of design and tool options, but they are fast and simple to use. (work?, 2021)

Advantage of Online website creation tools

- There are no coding skills required; all we have to do is pick one of the themes. Customize the layout by dragging and dropping items.
- Although online website creation tools do not guarantee the best-looking site, their designs are attractive enough to entice the visitor.
- It is easy to Export
- These tools are less expensive than hiring a web designer.

Disadvantages of Online website creation tools:

- These are not Suitable for Professional Business.
- These tools take too long to load when compared to more solidly built websites on paid platforms.
- They have a limit on the number of pages we're allowed to create.
- These websites will not be searchable (they will not appear on Google), which will slow and limit their growth.

Custom-built sites:

They are created using real codes by developers like us who use HTML, CSS, JavaScript, Photoshop, After Effects, and other similar tools and techniques to create their own required

website based on the client's requirements. They offer a wide range of options as well as a variety of designs that developers can create and modify at any time. However, it is very costly, time consuming, and difficult to run, and only certified and qualified individuals can create such websites. The user interaction can be a lot faster and smooth as compared to the online build websites. (Bachmeier, 2021)

Advantage of custom built websites:

- We can create almost any feature or design because possibilities are endless
- Custom website is the only website like it. With custom web design, we have a one-of-a-kind creation.
- We can create a completely unique, branded experience with a custom website design.
- Better Performance
- They have higher levels of security.
- They are More Flexible for SEO.

Disadvantage of Custom built website

- Time consuming
- High costing
- Need team of designers and developers.
- Need to maintain and update

Some difference between the custom built website and online website based on certain factor are given below:

| Basis of | Online Website Creation tools | Custom-built sites |
|---------------|---|---|
| Flexibility | Online website creation limits the editing option that custom based website can provide. To work with a template site, we may have to start-over in the event of major changes. | It is much easier to add new features to a custom site. |
| Performance | Performance of online built site are good, but the websites are limited with graphics and features. | Custom-built sites have limitless possibilities. |
| Functionality | Online website creation has limited functionality. | Custom based website provide freedom to add and modify according to user's requirement. |

| | | |
|-----------------|---|--|
| User Experience | Online website creation is open source and is easy to learn. Online creation tools don't guarantee to be responsive to all device. It does not have reliable support system. | Custom website is complex to learn. Custom build web is 100% responsive. It always has support from the company. |
| User Interface | The user interfaces lie inside a box in online built side because in online built side user have limitation in functionality to customize the website and we can use only pre-defined formats of template where we can put all the user interaction process inside. | Custom built website has unlimited functionality which is great advantage for a user interface. |

("What is the difference between online website creation tools and custom built sites? - Quora", 2021)

Conclusion

This article contains brief description of common web development technologies and frameworks with regards to website design, functionality and management. Here you can get some ideas between front-end and back-end, their capabilities and relationship along their relation to presentation and application layer. Differences between online website creation and custom-built site with regards to design flexibility, performance, functionality, user experience(UX) and user interface.

Justify the tools and techniques chosen to realize a custom-built website.

To create custom-based website there are many tools and technique in the internet, here some of the tools that are used in our website is mentioned below

HTML: A text-based approach which describes how content contained within an HTML file is structured in HTML. The HTML says to a web browser how to display images, any other forms of multimedia, and text on a webpage. HTML is a formal recommendation by World Wide Web Consortium. Including both desktop and mobile web browser, it is generally adhered to by all major web browser. Latest version of the specification is HTML5. Using HTML, a document containing text is further marked up with additional text describing how the document should be displayed. To keep the markup part, separate from the actual content of the HTML file, there is a special, distinguishing HTML syntax that is used. These special components are known as HTML tags. The tags can contain name-value pairs known as attributes, and a piece of content that is enclosed within a tag is referred to as an HTML element. Because HTML is completely text-based, an HTML file can be edited simply by opening it up in a program such as Notepad++, Vi or Emacs. Any text editor can be used to create or edit an HTML file and, so long as the file is created with an .html extension, any web browser, such as Chrome or Firefox, will be capable of displaying the file as a webpage. ("what-is-html", 2021)

CSS : A simple design language intended to simplify the process of making web page presentable is Cascading Style Sheet, fondly referred to as CSS. The look and feel part of a web page is handled by CSS. We can control the style of font, how columns are size and laid out, image or color are used, the color of the text, layout design, what background image or colors are used, variation in display for different devices and variety of other effects as well as screen sizes. CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document. Most commonly, CSS is combined with the markup languages HTML or XHTML. ("What is CSS | Types | Syntax | CSS with HTML with Example - EyeHunts", 2021)

JavaScript: A programming language which starts as a mechanism to add logic and interactivity to an otherwise static Netscape browser is JavaScript. It has expanded beyond the client space to become a dominant language on the server side. A special <SCRIPT> tag is provided by HTML which allows the developer to embed JavaScript within the markup of the page. Variable declaration using the var keyword in JavaScript is very straightforward and does not involve a complex set of initialization rules as one might see in Java or C++. JavaScript is known as an untyped language, which means that variables can take on a variety of different forms as a program executes. ("JavaScript Example - javatpoint", 2021)

PHP : A widely-used open source general purpose scripting language which is especially for the web developer and can be embedded into HTML. It is extremely simple for a newcomer which is the best thing about PHP, however it gives many advanced features for a professional programmer. Don't be afraid reading the long list of PHP features we can jump in, start writing simple script, in a short time in a few hours. What distinguishes PHP from something like client-side JavaScript is that the code is executed on the server, generating HTML which is then sent to the client. The client would receive the results of running that script, but would not know what the underlying code was. We can even configure your web server to process all your HTML files with PHP, and then there's really no way that users can tell what you have up your sleeve. ("PHP: What is PHP? - Manual", 2021)

Bootstrap: Bootstrapping describes a process that automatically loads and executes commands. Startup process is the most fundamental form of bootstrapping which takes place when we start up a computer. In fact, the term "boot" of bootstrap comes from the booting up a computer. When we turn on or restart a computer, it automatically loads a sequence of commands that initializes the system, checks for hardware, and loads the operating system. This process does not require any user input and is therefore considered a bootstrap process. ("What is Bootstrap - JavaTpoint", 2021)

PhotoShop: It is a photo editing program that helps in the creation of logos, formats, and a variety of other photo-related edits and operations. For the logo of the company for which we are creating the website, we used Photoshop. It's used to build the screen's layout and several other components. ("Photoshop Basics: What is Photoshop?", 2021)

Sublime text editor: Sublime Text Editor is a versatile text editor that is commonly used by software developers. This provides a wide range of features such as Syntax Highlight, Auto Indentation, File Type Recognition, Sidebar, Macros, Plug-in and Packages that make it easy to work with a code base. It helps in the development of the project. Sublime Text Editor is used as an Integrated Design Editor (IDE) like Visual Studio and NetBeans. The current version of the Sublime Text editor is 3.0 and is compatible with various operating systems such as Windows, Linux and MacOS. ("Sublime Text Tutorial - Tutorialspoint", 2021)

Adobe after effect: Adobe After Effects is a video and animation editing software that allows you to apply effects to moving images and animations. For smoother video creation, many designers use it to build titles, intros, and transitions between clips. It is mostly used to create advertisements for websites. It can also be used to create videos and promote the website. ("What is Adobe After Effects? Learn the basics", 2021)

Adobe Premiere Pro: Adobe Premiere Pro is a video editing software that can be used to edit images, commercials, and other media, as well as television and online videos. It's a professional video editing software platform that's also part of Adobe's Creative Cloud Program Collection. Creating new videos and editing them for use on a website can be beneficial. ("What is Premiere Pro?", 2021)

jQuery: jQuery is an open source JavaScript framework that makes it easier to link an HTML/CSS or, more precisely, a JavaScript document. Furthermore, jQuery simplifies HTML document crisscrossing and manipulation, as well as browser event handling and cross-browser JavaScript creation. As a result, we used this in our website development task. ("jQuery - Overview - Tutorialspoint", 2021)

Asp.net: Asp.net is a free framework that allows you to create websites and applications using HTML, CSS, and JavaScript. It allows the execution of computer code by an Internet server. ("ASP.NET | Open-source web framework for .NET", 2021)

So, using the above-mentioned items, we can create a custom website in a real-world scenario, and I've used the above-mentioned or explained method to create a custom-built website.

Scenario 2

1. From the requirements above create a proposal document for the multipage website with fidelity wireframes with full set of client and user requirements. This must be convincing to them and should contain exactly what they want.
2. After the requirements specification phase, develop a website with above all functionalities. The website must contain at least 10 web pages. Should have the CRUD functionality i.e. create, retrieve, update and delete.
3. Finally, write a report comparing the multipage website created to the design document and critically evaluate the design and development process against your design document analyzing any technical challenges.
4. Create a suitable test plan to test your developed website identifying key performance areas and use it to review the overall functionality and performance of the website. Evaluate the Quality Assurance (QA) process and review how it was implemented during your design and development stages and finally critically evaluate the result of your test plan and include the review of the overall success of your website, use this to explain any areas of success and provide justified recommendations for areas that require improvement.

Introduction

The company wants me to create a complete website that follows the entire software development process from requirements to development and testing. ‘Sunkoshi Rural Municipality’ in Sindhupalchowk district is the subject of the project. They want an online data collection system with features like viewing records, editing them, and deleting them as needed. As a result, I created a proposal document for the multipage website that included fidelity wireframes and a complete list of client and user requirements. Similarly, I created a website with CRUD (create, retrieve, update, and delete) functionality. In addition, I critically evaluated the design and development process, devised a test plan to test the developed website while identifying key performance areas, and used it to assess the website's overall functionality and performance. I also reviewed how the Quality Assurance (QA) process was implemented during the design and development stages, and I critically evaluated the test plan's results, which included a review of the overall success of the website, which I used to

explain areas of success and provide justified recommendations for areas that needed improvement.

Objectives

- To design a branded, multipage website with medium fidelity wireframes and a complete set of client and user requirements.
- To create a branded, multipage website with realistic content by combining the design document with appropriate principles, standards, and guidelines.
- To contrast the multipage website that was created with the design document.
- To assess the design and development process in relation to the design document and to analyze any technical issues.
- To create a test plan that identifies key performance areas and uses it to evaluate the website's functionality and performance.
- To assess the quality assurance process and how it was carried out during the design and development stages.
- To critically evaluate the test plan's outcome, as well as a review of the multipage website's overall success.
- Use the evaluation to explain any areas of success and to make well-supported recommendations for areas that need to be improved.

Client Requirement

- SRM's website should have a more appealing design and a better user experience.
- A database should be available on the website for storing, retrieving, updating, and deleting information.
- All the forms should be perfectly accessible.
- The SRM website should be of higher quality, with more information about the services available. Login, signup, dashboard, update gallery, add/edit/delete post and articles should all be available on the website.

User Requirement

- The website should be mobile-friendly.
- For a better user experience, the color combination should be appealing.
- SRM's website should be optimized for search engines.
- In different browsers, a website's layout and content should not be lost.
- SRM should have a multi-page website. The content on SRM's website should be dynamic.
- All of these features should be available on SMR's website for users to view and complete online forms.

Design of all pages

Home page: Screenshot

The home page provides quick access to all pages, including notices and information, galleries, news, and articles. There is a navigation bar, an image slide, containers, a search box, and a footer.

Home page code:

```

1  <!DOCTYPE html>
2  <html>
3  <head>
4  <title>Welcome to Sunkoshi Rural Municipality | About SRM | Staffs | News and Notices | Articles | Contact us </title>
5  <meta charset="utf-8">
6  <meta name="copyright" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
7  <meta name="keywords" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
8  <meta name="description" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
9  <meta name="viewport" content="width=device-width, initial-scale=1">
10 <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
11 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
12 <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
13 <link rel="stylesheet" type="text/css" href="css/mystyle.css">
14 <link rel="favicon icon" href="images/favicon.png">
15 </head>
16 <body>
17 <nav class="navbar navbar-inverse">
18 <div class="container-fluid">
19 <div class="navbar-header">
20 <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
21 <span class="icon-bar"></span>
22 <span class="icon-bar"></span>
23 <span class="icon-bar"></span>
24 </button>
25 <a href="#" class="navbar-brand">
26 <div class="hidden-lg hidden-md">
27 <div class="brand-box hidden-sm hidden-xs">
28 </a>
29 </div>
30 <div class="collapse navbar-collapse" id="myNavbar">
31 <ul class="nav navbar-nav navbar-right">
32 <li><a href="index.php" class="active">Home</a></li>
33 <li><a href="about.php">About us</a></li>
34 <li><a href="notice.php">Notice and Information</a></li>
35 <li><a href="articles.php">Articles</a></li>
36 <li><a href="staff.php">Staffs</a></li>
37 <li><a href="gallery.php">Gallery</a></li>
38 <li><a href="contact.php">Contact us</a></li>
39 <li class="dropdown">
40 <a href="#" class="dropdown-toggle" data-toggle="dropdown">More</a>
41 <ul class="dropdown-menu">
42 <li><a href="login.php">Log In</a></li>
43 <li><a href="signup.php">Sign Up</a></li>
44 </ul>
45 </li>
46 </ul>
47 </div>
48 </div>
49 </nav>
50
51 <!-- creating bootstrap slide -->
52 <div id="myCarousel" class="carousel slide" data-ride="carousel">
53   <!-- indicators -->
54   <ol class="carousel-indicators">
55     <li data-target="#myCarousel" data-slide-to="0" class="active"></li>
56     <li data-target="#myCarousel" data-slide-to="1"></li>
57     <li data-target="#myCarousel" data-slide-to="2"></li>
58   </ol>
59
60   <!-- wrapper for slides -->
61   <div class="carousel-inner" role="listbox">
62     <div class="item active">
63       
64       <div class="carousel-caption">
65         <h3>Sunkoshi Rural Municipality</h3>
66         <p>Namaste! Welcome to Sunkoshi Rural Municipality</p>
67       </div>
68     </div>
69     <div class="item">
70       
71       <div class="carousel-caption">
72         <h3>Prithivi Highway</h3>
73         <p>Experice a beautiful Prithivi Highway</p>
74       </div>
75     </div>
76   </div>
77
78   <!-- item 2 -->
79   <div class="item">
80     
81     <div class="carousel-caption">
82       <h3>Culture</h3>
83       <p>Experice a beautiful culture of Sindhupalchowk</p>
84     </div>
85   </div>
86 </div>
87
88 <!-- left and right controls -->
89 <a href="#myCarousel" roles="button" data-slide="prev" class="left carousel-control">
90   <span class="glyphicon glyphicon-chevron-left" aria-hidden="true"></span>

```

```

94  <a href="#myCarousel" role="button" data-slide="next" class="right carousel-control">
95    <span class="glyphicon glyphicon-chevron-right" aria-hidden="true"></span>
96    <span class="sr-only">Next</span>
97  </a>
98 </div>
99
100 <!-- container for text center -->
101 <div class="container-fluid text-center">
102 <div class="row">
103 <div class="panel panel-default">
104 <div class="container">
105   <h3>Welcome to Sunkoshi Rural Municipality</h3>
106   <p>
107     Sunkoshi Rural Municipality is a rural municipality in Sindhuli district of Bagmati Pradesh in Nepal. The Rural municipality is divided into 7 wards. According to 2011 Nepal census, the total population of the municipality is 21,473 with 4,557 households. The total area of the municipality is 158.68 square kilometres (61.27 sq mi). The headquarter of the municipality is at Jhangajholi Ratnata.
108   </p>
109   <p>
110     <button type="button" class="btn btn-primary btn-lg" onclick="window.open('about.php','_self')>Read More</button>
111   </p>
112 </div>
113 </div>
114 </div>
115 </div>
116
117 <!-- another container two column -->
118 <div class="container">
119   <div class="row">
120     <div class="col-md-8">
121       <div class="panel panel-danger">
122         <div class="panel-heading">
123           <h2>Latest Notice and Information</h2>
124         </div>
125       </div>
126     </php>
127     $con=mysqli_connect("localhost","root","","sunkoshi");
128     if(mysqli_connect_errno())
129     {
130       echo "Failed to connect mySQL". mysqli_connect_error();
131     }
132     $query2="select * from post order by rand() LIMIT 0,3";
133     $run=mysqli_query($con,$query2);
134     while($row=mysqli_fetch_array($run))
135     {
136       $id=$row['post_id'];
137
138       $title=$row['title'];
139       $content=$row['content'];
140       $image=$row['photo'];
141       $date=$row['date'];
142
143     ?>
144     <div class="panel panel-info">
145       <div class="panel-heading">
146         <h3><a href="notice.php"><?php echo $title; ?></a><small><u> &nbsp; - <?php echo $date; ?></u></small></h3>
147       </div>
148       <div class="panel-body">
149         <div class="col-md-4">
150           
151         </div>
152         <div class="col-md-8">
153           <p>
154             <?php echo $content; ?>
155           </p>
156         </div>
157       </div>
158     </div>
159     </?php >
160     mysqli_close($con);
161   ?>
162 </div>
163 <div class="col-md-4">
164   <php include 'rightbar.php'; ?>
165 </div>
166 </div>
167 </div>
168 <!-- three column highlights for portfolio -->
169 <div class="container">
170   <div class="row">
171     <div class="col-md-4">
172       <div class="panel panel-success">
173         <div class="panel-heading"><h3>Community of Solukhumbu</h3></div>
174         <div class="panel-body">
175           
176           <p>
177             A Village Development Committee (VDC) (Nepali: गाउँ विकास समिति; gāun bikās samiti) in Nepal was the lower administrative part of its Ministry of Federal Affairs and Local Development. Each district had several VDCs, similar to municipalities but with greater public-government interaction and administration. There were 3,157 village development committees in Nepal.
178           </p>
179         </div>

```

```

180   </div>
181 </div>
182 <div class="col-md-4">
183   <div class="panel panel-success">
184     <div class="panel-heading"><h3>Prithivi Highway of Sunkoshi</h3></div>
185     <div class="panel-body">
186       
187       <p>
188         The construction of the highway started in 1967 with the help of the Chinese government. The construction was completed in 1974. The highway is named after King Prithvi Narayan Shah. This landslide-prone and heavily congested highway passes through five districts: Kathmandu, Dhading, Chitwan, Tanahu and Kaski.[1] This highway has a junction with Trishuvan Highway at Naubise. The Bharatpur-Mugling section connects this highway to Mahendra Highway, the longest highway in Nepal. The highway also connects Nuwakot District via a newly constructed road in Galchhi and connects to the district headquarter of Dhading District at Phurka Khola, Malekhu. Until 2011 opening of the R.P. Koirala Highway, this highway was the only improved land route from Kathmandu Valley to all points south, and as such the main artery for heavy trucks into Kathmandu Valley and into Pokhara.
189       </p>
190     </div>
191   </div>
192 </div>
193 <div class="col-md-4">
194   <div class="panel panel-success">
195     <div class="panel-heading"><h3>Tourism area of Sunkoshi</h3></div>
196     <div class="panel-body">
197       
198       <p>
199         Sunkoshi River is also known as the ' River of Gold '. It is one of the most well known and commercial rivers of Nepal. The river stands high among one of the best whitewater rafting trips in the world. Sunkoshi River Fishing is the combination of the adventurous rafting in the rapids of River while fishing in some spectacularly hidden pockets of the river. Sunkoshi River Fishing with Nepal Guide Treks starts at Kathmandu. From Kathmandu, we will drive east over Arniko Highway towards Dolalghat. Our drive offers splendid views of mountain ranges including the views of local people involved in doing daily activities for livelihood. Once we reach Dolalghat, we quickly unload our bag packs and fishing gears and get ready for our adventurous rafting on Sunkoshi river.
200     </p>
201   </div>
202 </div>
203 </div>
204 </div>
205 </div>
206 <!-- brief footer -->
207 <div id="toun" class="hg-1">
208 <div class="container">
209 <div class="row">
210   <div class="col-md-4">
211     <?php include 'notice_page.php'; ?>
212   </div>
213 
214   <div class="col-md-4">
215     <h3>IT Manager:</h3>
216     <p>
217       Bipasha Ghimire<br>
218       Bharatpur-10, Chitwan<br>
219       Phone: 9865147345<br>
220       Email: bipasha@ismt.edu.np<br>
221       URL: www.bipashaghimire.com.np
222     </p>
223   </div>
224 
225   <div class="col-md-4">
226     <h3>Contact us</h3>
227     <p>
228       Sunkoshi Rural Municipality<br>
229       Solukhumbu, Nepal<br>
230       Phone: +977 05 5243221<br>
231       email: info@sunkoshimun.com<br>
232       url: www.sunkoshimun.com<br>
233     </p>
234   </div>
235 
236 </div>
237 </div>
238 
239 <!-- creating footer -->
240 <footer class="text-center">
241   <a href="#" class="up-arrow" data-toggle="tooltip" title="To Top">
242     <span class="glyphicon glyphicon-chevron-up"></span>
243   </a><br><br>
244   <p>All right reserved @ <a href="https://www.sunkoshimun.gov.np" data-toggle="tooltip">www.sunkoshimun.gov.np</a>
245   </p>
246   <br>
247 </footer>
248 </div>
249 </body>
250 </html>

```

```

208 <div class="container">
209 <div class="row">
210   <div class="col-md-4">
211     <?php include 'notice_page.php'; ?>
212   </div>
213 
214   <div class="col-md-4">
215     <h3>IT Manager:</h3>
216     <p>
217       Bipasha Ghimire<br>
218       Bharatpur-10, Chitwan<br>
219       Phone: 9865147345<br>
220       Email: bipasha@ismt.edu.np<br>
221       URL: www.bipashaghimire.com.np
222     </p>
223   </div>
224 
225   <div class="col-md-4">
226     <h3>Contact us</h3>
227     <p>
228       Sunkoshi Rural Municipality<br>
229       Solukhumbu, Nepal<br>
230       Phone: +977 05 5243221<br>
231       email: info@sunkoshimun.com<br>
232       url: www.sunkoshimun.com<br>
233     </p>
234   </div>
235 
236 </div>
237 </div>
238 
239 <!-- creating footer -->
240 <footer class="text-center">
241   <a href="#" class="up-arrow" data-toggle="tooltip" title="To Top">
242     <span class="glyphicon glyphicon-chevron-up"></span>
243   </a><br><br>
244   <p>All right reserved @ <a href="https://www.sunkoshimun.gov.np" data-toggle="tooltip">www.sunkoshimun.gov.np</a>
245   </p>
246   <br>
247 </footer>
248 </div>
249 </body>
250 </html>

```

About page: Screenshot

The screenshot shows the 'About us' page of the Sunkoshi Rural Municipality website. At the top, there is a navigation bar with links to Home, About us, Notice and Information, Articles, Staffs, Gallery, Contact us, and More. The 'About us' link is highlighted.

About SRM



Sunkoshi Rural Municipality is a rural municipality in Sindhuli district of Bagmati Pradesh in Nepal. The Rural municipality is divided into 7 wards. According to 2011 Nepal census, the total population of the municipality is 21,473 with 4,557 households. The total area of the municipality is 158.68 square kilometres (61.27 sq mi). The headquarter of the municipality is at Jhangajholi Ratmata.

The rural municipality was established on March 10, 2017 when Ministry of Federal Affairs and Local Development dissolved the existing village development committees and announced the establishment of this new local body.

Kusheshwar Dumja, Jhangajholi Ratmata, Purano Jhangajholi, Sitalpati and Majhuwa VDCs were merged to form the new rural municipality.

Our Vision

- to organize village people structurally at a local level
- to create a partnership between the community and the public sector for element of control and responsibility in development

Our Mission

- to ensure proper use and distribution of state funds
- to ensure a greater interaction between government officials, NGOs and agencies

Notice:

Sunkoshi Rural Municipality have a android application to download and use

One of the seven provinces of Nepal established by the constitution of Nepal-Bagmati

Announced the Village development committee in sunkoshi

Dissolved Ministry of Federal Affairs and Local Development

IT Manager:

Bipasha Ghimire
Bharatpur-10, Chitwan
Phone: 9865147345
Email: bipasha@smt.edu.np
URL: www.bipashaghimire.com.np

Contact us

Sunkoshi Rural Municipality
Solukhumbu, Nepal
Phone: +977 05 5243221
email: info@sunkoshimun.com
url: www.sunkoshimun.com

All right reserved @ www.sunkoshimun.gov.np

This page does not have an image slide or a welcome note. There is a navbar at the top, a container on the mid-left that displays full information about a related page, a search box, and two other containers on the mid-right that display short information about news feeds and a gallery, and a footer at the bottom.

About page code:

```

about.php      *   index.php      *
1  <!DOCTYPE html>
2  <html>
3  <head>
4    <title>Welcome to Sunkoshi Rural Municipality | About SRM | Staffs | News and Notices | Articles | Contact us </title>
5    <meta charset="utf-8">
6    <meta name="copyright" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
7    <meta name="Keywords" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
8    <meta name="description" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
9    <meta name="viewport" content="width=device-width, initial-scale=1">
10   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
11   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
12   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
13   <link rel="stylesheet" type="text/css" href="css/mystyle.css">
14   <link rel="favicon icon" href="images/favicon.png">
15 </head>
16 <body>
17 <nav class="navbar navbar-inverse">
18   <div class="container-fluid">
19     <div class="navbar-header">
20       <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
21         <span class="icon-bar"></span>
22         <span class="icon-bar"></span>
23         <span class="icon-bar"></span>
24       </button>
25       <a href="#" class="navbar-brand">
26         <div class="hidden-lg hidden-md"> SRM</div>
27         <div class="brand-box hidden-sm hidden-xs">&nbsp;  Sunkoshi Rural Municipality</div>
28       </a>
29     </div>
30     <div class="collapse navbar-collapse" id="myNavbar">
31       <ul class="nav navbar-nav navbar-right">
32         <li><a href="index.php" class="active">Home</a></li>
33         <li><a href="#">About us</a></li>
34         <li><a href="#">Notice and Information</a></li>
35         <li><a href="#">Articles</a></li>
36         <li><a href="#">Staffs</a></li>
37         <li><a href="#">Gallery</a></li>
38         <li><a href="#">Contact us</a></li>
39         <li class="dropdown">
40           <a href="#" class="dropdown-toggle" data-toggle="dropdown">More</a>
41           <ul class="dropdown-menu">
42             <li><a href="login.php">Log In</a></li>
43             <li><a href="signup.php">Sign Up</a></li>
44           </ul>
45         </li>
46       </ul>
47     </div>
48   </div>
49 </nav>
50
51 <!-- about panel heading -->
52 <div class="container">
53   <div class="row">
54     <div class="col-md-12">
55       <div class="panel panel-info">
56         <div class="panel-heading">
57           <h2>About us</h2>
58         </div>
59       </div>
60     </div>
61   </div>
62 </div>
63 <!-- another container two column -->
64 <div class="container">
65   <div class="row">
66     <div class="col-md-6">
67       <div class="panel panel-danger">
68         <div class="panel-heading">
69           <h3>About SRM</h3>
70         </div>
71         <div class="panel-body">
72           <div class="col-md-4">
73             
74           </div>
75           <div class="col-md-8">
76             <p>
77               Sunkoshi Rural Municipality is a rural municipality in Sindhuli district of Bagmati Pradesh in Nepal. The Rural municipality is divided into 7 wards. According to 2011 Nepali census, the total population of the municipality is 21,473 with 4,557 households. The total area of the municipality is 158.68 square kilometres (61.27 sq mi). The headquarter of the municipality is at Jhangajholi Ratmata.
78             <br><br>
79               The rural municipality was established on March 10, 2017 when Ministry of Federal Affairs and Local Development dissolved the existing village development committees and announced the establishment of this new local body.
80             <br><br>
81               Kusheshwar Dumja, Jhangajholi Ratmata, Purano Jhangajholi, Sitalpati and Majhuwa VDCs were merged to form the new rural municipality.
82             </p>
83           </div>
84         </div>
85       <div class="panel-heading">
86         <h3>Our Vision</h3>
87       </div>

```

```

88     </div>
89     <div class="panel-body">
90       <div class="col-md-12">
91         <p>
92
93           <ul>
94             <li>to organize village people structurally at a local level</li>
95             <li>to create a partnership between the community and the public sector for element of control and responsibility in development</li>
96           </ul>
97
98         </p>
99       </div>
100     </div>
101
102     <div class="panel-heading">
103       <h3>Our Mission</h3>
104     </div>
105     <div class="panel-body">
106       <div class="col-md-12">
107         <p>
108           <ul>
109             <li>to ensure proper use and distribution of state funds</li>
110             <li>to ensure a greater interaction between government officials, NGOs and agencies</li>
111           </ul>
112
113         </p>
114       </div>
115     </div>
116
117   </div>
118 </div>
119 <div class="col-md-4">
120   <?php include 'rightbar.php'; ?>
121 </div>
122 </div>
123 </div>
124 <!-- brief footer -->
125 <div id="lour" class="bg-1">
126 <div class="container">
127 <div class="row">
128   <div class="col-md-4">
129     <?php include 'notice_page.php'; ?>
130   </div>
131 <div class="col-md-4">
132
133   <div class="row">
134     <div class="col-md-4">
135       <?php include 'notice_page.php'; ?>
136     </div>
137
138     <div class="col-md-4">
139       <h3>IT Manager:</h3>
140       <p>
141         Bipasha Ghimire<br>
142         Bharatpur-10, Chitwan<br>
143         Phone: 9865147345<br>
144         Email: bipasha@ismt.edu.np<br>
145         URL: www.bipashaghimire.com.np
146       </p>
147     </div>
148
149     <div class="col-md-4">
150       <h3>Contact us</h3>
151       <p>
152         Sunkoshi Rural Municipality<br>
153         Solukhumbu, Nepal<br>
154         Phone: +977 05 5243221<br>
155         email: info@sunkoshimun.com<br>
156         url: www.sunkoshimun.com<br>
157       </p>
158     </div>
159   </div>
160 </div>
161 <!-- creating footer -->
162 <footer class="text-center">
163   <a href="#" class="up-arrow" data-toggle="tooltip" title="To Top">
164     <span class="glyphicon glyphicon-chevron-up"></span>
165   </a><br><br>
166   <p>All right reserved @ <a href="https://www.sunkoshimun.gov.np" data-toggle="tooltip">www.sunkoshimun.gov.np</a>
167 </p>
168 </div>
169 </body>
170 </html>

```

Notice and Information Page: Screenshot

 **Sunkoshi Rural Municipality**

Home About us Notice and Information Articles Staffs Gallery Contact us More

Notice and Information

Dissolved Ministry of Federal Affairs and Local Development
2020-05-01



Ministry of Federal Affairs and General Administration (Nepali: संघीय मामिला तथा सामान्य प्रशासन मन्त्रालय), popularly MoFAGA, is the ministry of Nepal accredited with the role of coordination, cooperation, facilitation and monitoring and evaluation of activities undertaken by local governments; regulation and management of the civil service in the country.

Announced the Village development committee in sunkoshi
2020-05-02



A Village Development Committee (VDC) (Nepali: गाउँ विकास समिति; gāuñ bilās samiti) in Nepal was the lower administrative part of its Ministry of Federal Affairs and Local Development. Each district had several VDCs, similar to municipalities but with greater public-government interaction and administration. There were 3,157 village development committees in Nepal.

One of the seven provinces of Nepal established by the constitution of Nepal-Bagmati
2020-05-02



Bagmati Pradesh (Nepali: वामती प्रदेश)[1][2] is one of the seven provinces of Nepal established by the constitution of Nepal as of 20 September 2015.[3] With Hetauda as its provincial headquarter,[4] the province is the home to the country's capital Kathmandu, is mostly hilly and mountainous, and hosts mountain peaks including Gaurishankar, Langtang, Jugal, and Ganesh. The province covers an area of 20,300 km² - about 14% of the country's total area, and has an altitude low enough to support deciduous, coniferous, and alpine forests and woodlands. Temperature varies with altitude. Rainfall takes place mainly during the summer.

Sunkoshi Rural Municipality have a android application to download and use
2020-05-02



You can download and use Sunkoshi Rural Municipality's android application from play store to download and use. You can easily get notices from app, also it makes transparent to every information towards peoples of sunkoshi municipality. This is recent project of sunkoshi rural municipality to develop community standard.

Notice:

Dissolved Ministry of Federal Affairs and Local Development
Sunkoshi Rural Municipality have a android application to download and use
One of the seven provinces of Nepal established by the constitution of Nepal-Bagmati
Announced the Village development committee in sunkoshi

News Feeds

Dissolved Ministry of Federal Affairs and Local Development
Sunkoshi Rural Municipality have a android application to download and use
One of the seven provinces of Nepal established by the constitution of Nepal-Bagmati
Announced the Village development committee in sunkoshi

Gallery



Notice:

One of the seven provinces of Nepal established by the constitution of Nepal-Bagmati
Dissolved Ministry of Federal Affairs and Local Development
Announced the Village development committee in sunkoshi
Sunkoshi Rural Municipality have a android application to download and use

IT Manager:

Bipasha Ghimire
Bharatpur-10, Chitwan
Phone: 9865147345
Email: bipasha@smt.edu.np
URL: www.bipashaghimire.com.np

Contact us

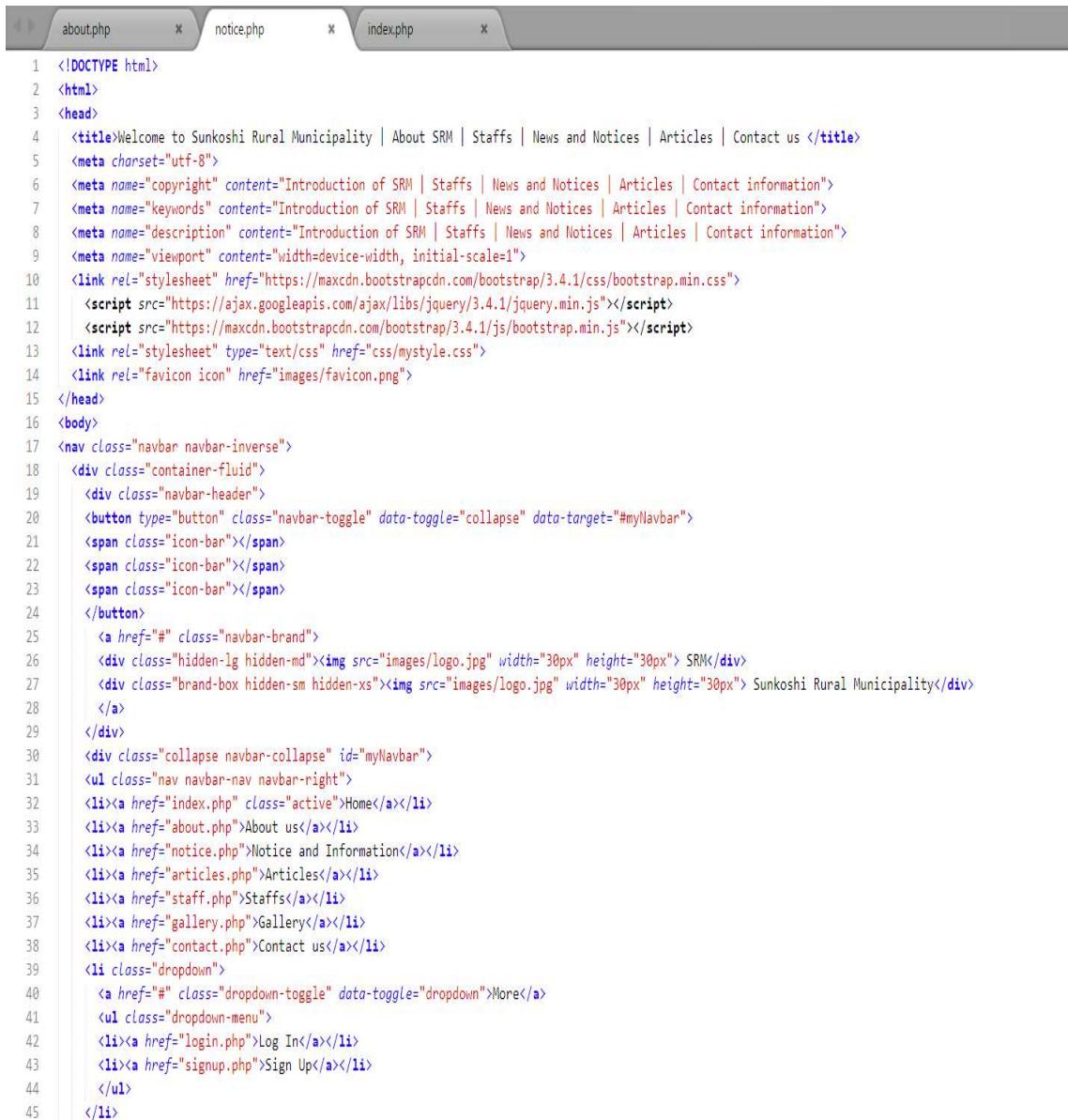
Sunkoshi Rural Municipality
Solukhumbu, Nepal
Phone: +977 05 5243221
Email: info@sunkoshimun.com
URL: www.sunkoshimun.com

▲

All right reserved @ www.sunkoshimun.gov.np

This page, like the about page, lacks an image slide and a welcome note. On the top, there is a navbar, a mid-left container that displays full information from a related page, a search box, and two other containers on the mid-right, and a footer at the bottom.

Notice and information page code:



```

1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Welcome to Sunkoshi Rural Municipality | About SRM | Staffs | News and Notices | Articles | Contact us </title>
5   <meta charset="utf-8">
6   <meta name="copyright" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
7   <meta name="keywords" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
8   <meta name="description" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
9   <meta name="viewport" content="width=device-width, initial-scale=1">
10  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
11  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
12  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
13  <link rel="stylesheet" type="text/css" href="css/mystyle.css">
14  <link rel="icon" href="images/favicon.png">
15 </head>
16 <body>
17 <nav class="navbar navbar-inverse">
18 <div class="container-fluid">
19   <div class="navbar-header">
20     <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
21       <span class="icon-bar"></span>
22       <span class="icon-bar"></span>
23       <span class="icon-bar"></span>
24     </button>
25     <a href="#" class="navbar-brand">
26       <div class="hidden-lg hidden-md"> SRM</div>
27       <div class="brand-box hidden-sm hidden-xs"> Sunkoshi Rural Municipality</div>
28     </a>
29   </div>
30   <div class="collapse navbar-collapse" id="myNavbar">
31     <ul class="nav navbar-nav navbar-right">
32       <li><a href="index.php" class="active">Home</a></li>
33       <li><a href="about.php">About us</a></li>
34       <li><a href="notice.php">Notice and Information</a></li>
35       <li><a href="articles.php">Articles</a></li>
36       <li><a href="staff.php">Staffs</a></li>
37       <li><a href="gallery.php">Gallery</a></li>
38       <li><a href="contact.php">Contact us</a></li>
39       <li class="dropdown">
40         <a href="#" class="dropdown-toggle" data-toggle="dropdown">More</a>
41         <ul class="dropdown-menu">
42           <li><a href="login.php">Log In</a></li>
43           <li><a href="signup.php">Sign Up</a></li>
44         </ul>
45       </li>

```

```

41      <!-- class=--> <ul>
42          <li><a href="login.php">Log In</a></li>
43          <li><a href="signup.php">Sign Up</a></li>
44      </ul>
45  </li>
46  </ul>
47  </div>
48  </div>
49 </nav>
50
51 <!-- about panel heading -->
52 <div class="container">
53     <div class="row">
54         <div class="col-md-12">
55             <div class="panel panel-info">
56                 <div class="panel-heading">
57                     <h2>Notice and Information</h2>
58                 </div>
59             </div>
60         </div>
61     </div>
62 </div>
63 <!-- another container two column -->
64 <div class="container">
65     <div class="row">
66         <div class="col-md-8">
67             <?php
68             $con=mysqli_connect("localhost","root","","sunkoshi");
69             if(mysqli_connect_errno())
70             {
71                 echo "Failed to connect mySQL". mysqli_connect_error();
72             }
73             $query2="select * from post";
74             $run=mysqli_query($con,$query2);
75             while($row=mysqli_fetch_array($run))
76             {
77                 $id=$row['post_id'];
78                 $title=$row['title'];
79                 $content=$row['content'];
80                 $image=$row['photo'];
81                 $date=$row['date'];
82
83             }
84         </?>
85         <div class="panel panel-danger">
86             <div class="panel-heading">

```

```

87                 <div class="panel panel-danger">
88                     <div class="panel-heading">
89                         <h3><?php echo $title; ?></h3><span><?php echo $date; ?></span>
90                     </div>
91                     <div class="panel-body">
92                         <div class="col-md-4">
93                             
94                         </div>
95                         <div class="col-md-8">
96                             <p>
97                                 <?php echo $content; ?>
98                             </p>
99                         </div>
100                     </div>
101                 <?php }
102                 mysqli_close($con);
103             ?>
104
105
106             </div>
107             <div class="col-md-4">
108                 <?php include 'rightbar.php'; ?>
109             </div>
110         </div>
111     </div>
112     <!-- brief footer -->
113     <div id="tour" class="bg-1">
114         <div class="container">
115             <div class="row">
116                 <div class="col-md-4">
117                     <?php include 'notice_page.php'; ?>
118                 </div>
119
120                 <div class="col-md-4">
121                     <h3>IT Manager:</h3>
122                     <p>
123                         Bipasha Ghimire<br>
124                         Bharatpur-10, Chitwan<br>
125                         Phone: 9865147345<br>
126                         Email: bipasha@ismt.edu.np<br>
127                         URL: www.bipashaghimire.com.np
128                     </p>

```

```

117     <?php include 'notice_page.php'; ?>
118   </div>
119
120   <div class="col-md-4">
121     <h3>IT Manager:</h3>
122     <p>
123       Bipasha Ghimire<br>
124       Bharatpur-10, Chitwan<br>
125       Phone: 9865147345<br>
126       Email: bipasha@ismt.edu.np<br>
127       URL: www.bipashaghimire.com.np
128     </p>
129   </div>
130
131   <div class="col-md-4">
132     <h3>Contact us</h3>
133     <p>
134       Sunkoshi Rural Municipality<br>
135       Solukhumbu, Nepal<br>
136       Phone: +977 05 5243221<br>
137       email: info@sunkoshimun.com<br>
138       url: www.sunkoshimun.com<br>
139     </p>
140   </div>
141
142 </div>
143 </div>
144
145 <!-- creating footer -->
146 <footer class="text-center">
147   <a href="#" class="up-arrow" data-toggle="tooltip" title="To Top">
148     <span class="glyphicon glyphicon-chevron-up"></span>
149   </a><br>
150   <p>All right reserved @ <a href="https://www.sunkoshimun.gov.np" data-toggle="tooltip">www.sunkoshimun.gov.np</a>
151   </p>
152   <br>
153 </footer>
154 </div>
155 </body>
156 </html>

```

Articles page: Screenshot

Sunkoshi Rural Municipality
Home
About us
Notice and Information
Articles
Staffs
Gallery
Contact us
More

Articles

Community of Solukhumbu



A Village Development Committee (VDC) (Nepali: गाउँ विकास समिति; gāun bikāś samiti) in Nepal was the lower administrative part of its Ministry of Federal Affairs and Local Development. Each district had several VDCs, similar to municipalities but with greater public-government interaction and administration. There were 3,157 village development committees in Nepal.

Prithivi Highway of Sunkoshi



The construction of the highway started in 1967 with the help of the Chinese government. The construction was completed in 1974. The highway is named after King Prithvi Narayan Shah. This landslide-prone and heavily congested highway passes through five districts: Kathmandu, Dhading, Chitwan, Tanahu and Kaski.[1] This highway has a junction with Tribhuvan Highway at Naubise. The Bharatpur-Mugling section connects this highway to Mahendra Highway, the longest highway in Nepal. The highway also connects Nuwakot District via a newly constructed road in Galchi and connects to the district headquarter of Dhading District at Phurke Khola, Maleku. Until 2011 opening of the B.P. Koilala Highway, this highway was the only improved land route from Kathmandu Valley to all points south, and as such the main artery for heavy trucks into Kathmandu Valley and into Pokhara.

Tourism area of Sunkoshi



Sunkoshi River is also known as the 'River of Gold'. It is one of the most well known and commercial rivers of Nepal. The river stands high among one of the best whitewater rafting trips in the world. Sunkoshi River Fishing is the combination of the adventurous rafting in the rapids of River while fishing in some spectacularly hidden pockets of the river. Sunkoshi River Fishing with Nepal Guide Treks starts at Kathmandu. From Kathmandu, we will drive east over Arniko Highway towards Dolalghat. Our drive offers splendid views of mountain ranges including the views of local people involved in doing daily activities for livelihood. Once we reach Dolalghat, we quickly unload our bag packs and fishing gears and get ready for our adventurous rafting on Sunkoshi river.

Search

News Feeds

Notice:

One of the seven provinces of Nepal established by the constitution of Nepal-Bagmati

Dissolved Ministry of Federal Affairs and Local Development

Sunkoshi Rural Municipality have a android application to download and use

Announced the Village development committee in sunkoshi

Gallery



Notice:

One of the seven provinces of Nepal established by the constitution of Nepal-Bagmati

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IT Manager:

Bipasha Ghimire
Bharatpur-10, Chitwan
Phone: 9865147345
Email: bipasha@ismt.edu.np
URL: www.bipashaghimire.com.np

Contact us

Sunkoshi Rural Municipality
Solukhumbu, Nepal
Phone: +977 05 5243221
email: info@sunkoshimun.com
url: www.sunkoshimun.com

▲

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This page does not have an image slide or a welcome note. On the top, there is a navbar, a mid-left container that displays full information from a related page, a search box, and two other containers on the mid-right, and a footer at the bottom.

Article page code:

YAMAN CHAPAGAIN

54

Downloaded by Shreya Chhantyal (chhantyalshreya1@gmail.com)

```

about.php notice.php articles.php index.php
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Welcome to Sunkoshi Rural Municipality | About SRM | Staffs | News and Notices | Articles | Contact us </title>
5   <meta charset="utf-8">
6   <meta name="copyright" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
7   <meta name="keywords" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
8   <meta name="description" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
9   <meta name="viewport" content="width=device-width, initial-scale=1">
10  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
11    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
12    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
13    <link rel="stylesheet" type="text/css" href="css/mystyle.css">
14    <link rel="favicon icon" href="images/favicon.png">
15 </head>
16 <body>
17 <nav class="navbar navbar-inverse">
18   <div class="container-fluid">
19     <div class="navbar-header">
20       <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
21         <span class="icon-bar"></span>
22         <span class="icon-bar"></span>
23         <span class="icon-bar"></span>
24       </button>
25       <a href="#" class="navbar-brand">
26          SRM</a>
27       <div class="brand-box hidden-sm hidden-xs"> Sunkoshi Rural Municipality</div>
28     </div>
29   </div>
30   <div class="collapse navbar-collapse" id="myNavbar">
31     <ul class="nav navbar-nav navbar-right">
32       <li><a href="index.php" class="active">Home</a></li>
33       <li><a href="about.php">About us</a></li>
34       <li><a href="notice.php">Notice and Information</a></li>
35       <li><a href="articles.php">Articles</a></li>
36       <li><a href="staff.php">Staffs</a></li>
37       <li><a href="gallery.php">Gallery</a></li>
38       <li><a href="contact.php">Contact us</a></li>
39       <li class="dropdown">
40         <a href="#" class="dropdown-toggle" data-toggle="dropdown">More</a>
41         <ul class="dropdown-menu">
42           <li><a href="login.php">Log In</a></li>
43           <li><a href="signup.php">Sign Up</a></li>
44         </ul>
45       </li>
46     </ul>
47   </div>
48 </div>
49 </nav>
50
51 <!-- about panel heading -->
52 <div class="container">
53   <div class="row">
54     <div class="col-md-12">
55       <div class="panel panel-info">
56         <div class="panel-heading">
57           <h2>Articles</h2>
58         </div>
59       </div>
60     </div>
61   </div>
62 </div>
63 <!-- another container two column -->
64 <div class="container">
65   <div class="row">
66     <div class="col-md-8">
67
68       <div class="panel panel-danger">
69         <div class="panel-heading">
70           <h3>Community of Solukhumbu</h3>
71         </div>
72         <div class="panel-body">
73           <div class="col-md-4">
74             
75           </div>
76           <div class="col-md-8">
77             <p>
78               A Village Development Committee (VDC) (Nepali: गाउँ बिकास समिति; gāun bikās samiti) in Nepal was the lower administrative part of its Ministry of Federal Affairs and Local Development. Each district had several VDCs, similar to municipalities but with greater public-government interaction and administration. There were 3,157 village development committees in Nepal.
79             </p>
80           </div>
81         </div>
82       </div>
83
84       <div class="panel panel-danger">
85         <div class="panel-heading">
86           <h3>Prithivi Highway of Sunkoshi</h3>
87         </div>
88         <div class="panel-body">

```

```

89     <div class="col-md-4">
90         
91     </div>
92     <div class="col-md-8">
93         <p>
94             The construction of the highway started in 1967 with the help of the Chinese government. The construction was completed in 1974. The highway is named after King Prithvi
95             Narayan Shah. This landslide-prone and heavily congested highway passes through five districts: Kathmandu, Dhading, Chitwan, Tanahu and Kaski.[1] This highway has a junction
96             with Tribhuvan Highway at Naubise. The Bharatpur-Mugling section connects this highway to Mahendra Highway, the longest highway in Nepal. The highway also connects Nuwakot
97             District via a newly constructed road in Galchi and connects to the district headquarter of Dhading District at Phurke Khola, Malekhu. Until 2011 opening of the B.P.
98             Koilala Highway, this highway was the only improved land route from Kathmandu Valley to all points south, and as such the main artery for heavy trucks into Kathmandu Valley
99             and into Pokhara.
100        </p>
101    </div>
102 </div>
103
104 <div class="panel panel-danger">
105     <div class="panel-heading">
106         <h3>Tourism area of Sunkoshi</h3>
107     </div>
108     <div class="panel-body">
109         <div class="col-md-4">
110             
111         </div>
112         <div class="col-md-8">
113             <p>
114                 Sunkoshi River is also known as the ' River of Gold '. It is one of the most well known and commercial rivers of Nepal. The river stands high among one of the best
115                 whitewater rafting trips in the world. Sunkoshi River Fishing is the combination of the adventurous rafting in the rapids of River while fishing in some spectacularly hidden
116                 pockets of the river. Sunkoshi River Fishing with Nepal Guide Treks starts at Kathmandu. From Kathmandu, we will drive east over Arniko Highway towards Dolalghat. Our drive
117                 offers splendid views of mountain ranges including the views of local people involved in doing daily activities for livelihood. Once we reach Dolalghat, we quickly unload
118                 our bag packs and fishing gears and get ready for our adventurous rafting on Sunkoshi river.
119         </p>
120     </div>
121 </div>
122 </div>
123 <!-- brief footer -->
124 <div id="tour" class="bg-1">

```

```

125 <div class="container">
126 <div class="row">
127   <div class="col-md-4">
128     <?php include 'notice_page.php'; ?>
129   </div>
130
131   <div class="col-md-4">
132     <h3>IT Manager:</h3>
133     <p>
134       Bipasha Ghimire<br>
135       Bharatpur-10, Chitwan<br>
136       Phone: 9865147345<br>
137       Email: bipasha@ismt.edu.np<br>
138       URL: www.bipashaghimire.com.np
139     </p>
140   </div>
141
142   <div class="col-md-4">
143     <h3>Contact us</h3>
144     <p>
145       Sunkoshi Rural Municipality<br>
146       Solukhumbu, Nepal<br>
147       Phone: +977 05 5243221<br>
148       email: info@sunkoshimun.com<br>
149       url: www.sunkoshimun.com<br>
150     </p>
151   </div>
152
153 </div>
154 </div>
155
156 <!-- creating footer -->
157 <footer class="text-center">
158   <a href="#" class="up-arrow" data-toggle="tooltip" title="To Top">
159     <span class="glyphicon glyphicon-chevron-up"></span>
160   </a><br><br>
161   <p>All right reserved @ <a href="https://www.sunkoshimun.gov.np" data-toggle="tooltip">www.sunkoshimun.gov.np</a>
162   </p>
163   <br>
164 </footer>
165 </div>
166 </body>
167 </html>

```

Staffs page: Screenshot

The screenshot shows the Staffs page of the Sunkoshi Rural Municipality website. The header includes the logo and navigation links: Home, About us, Notice and Information, Articles, Staffs, Gallery, Contact us, and More. The main content area has a title "Staffs" and a "Staff Information" section containing a table with two rows of staff data. To the right, there are three columns: a search bar, news feeds, and a gallery section.

| ID | First Name | Last Name | Gender | DOB | Address | Phone | E-Mail | Post |
|----|------------|-----------|--------|------------|----------|------------|------------------------|----------------|
| 1 | Sharon | Chaudhary | Female | 1999-09-15 | Tandi | 9865063221 | sharon.chy90@gmail.com | President |
| 2 | Narayan | Ban | Male | 2089-07-08 | Sunkoshi | 9845098776 | narayananban@gmail.com | Vice President |

Notice:

*One of the seven provinces of Nepal established by the constitution of Nepal-Bagmati
Announced the Village development committee in sunkoshi
Sunkoshi Rural Municipality have a android application to download and use
Dissolved Ministry of Federal Affairs and Local Development*

IT Manager:

*Bipasha Ghimire
Bharatpur-10, Chitwan
Phone: 9865147345
Email: bipasha@smt.edu.np
URL: www.bipashaghimire.com.np*

Contact us

*Sunkoshi Rural Municipality
Solukhumbu, Nepal
Phone: +977 05 5243221
email: info@sunkoshimun.com
url: www.sunkoshimun.com*

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All of the elements are the same, such as the about, notice & information, and articles pages, with the exception of a table in the mid-left container that displays staff information.

Staff page code:

```

about.php   notice.php   articles.php   staff.php   index.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4    <title>Welcome to Sunkoshi Rural Municipality | About SRM | Staffs | News and Notices | Articles | Contact us </title>
5    <meta charset="utf-8">
6    <meta name="copyright" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
7    <meta name="keywords" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
8    <meta name="description" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
9    <meta name="viewport" content="width=device-width, initial-scale=1">
10   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
11   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
12   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
13   <link rel="stylesheet" type="text/css" href="css/mystyle.css">
14   <link rel="favicon icon" href="images/favicon.png">
15 </head>
16 <body>
17 <nav class="navbar navbar-inverse">
18   <div class="container-fluid">
19     <div class="navbar-header">
20       <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
21         <span class="icon-bar"></span>
22         <span class="icon-bar"></span>
23         <span class="icon-bar"></span>
24       </button>
25       <a href="#" class="navbar-brand">
26          SRM</a>
27       <div class="brand-box hidden-sm hidden-xs"> Sunkoshi Rural Municipality</div>
28     </a>
29   </div>
30   <div class="collapse navbar-collapse" id="myNavbar">
31     <ul class="nav navbar-nav navbar-right">
32       <li><a href="index.php" class="active">Home</a></li>
33       <li><a href="about.php">About us</a></li>
34       <li><a href="notice.php">Notice and Information</a></li>
35       <li><a href="articles.php">Articles</a></li>
36       <li><a href="staff.php">Staffs</a></li>
37       <li><a href="gallery.php">Gallery</a></li>
38       <li><a href="contact.php">Contact us</a></li>
39       <li class="dropdown">
40         <a href="#" class="dropdown-toggle" data-toggle="dropdown">More</a>
41         <ul class="dropdown-menu">
42           <li><a href="login.php">Log In</a></li>
43           <li><a href="signup.php">Sign Up</a></li>
44         </ul>
45     </li>
46   </ul>
47   </div>
48   </div>
49 </nav>
50
51 <!-- about panel heading -->
52 <div class="container-fluid">
53   <div class="row">
54     <div class="col-md-12">
55       <div class="panel panel-info">
56         <div class="panel-heading">
57           <h2>Staffs</h2>
58         </div>
59       </div>
60     </div>
61   </div>
62 </div>
63 <!-- another container two column -->
64 <div class="container-fluid">
65   <div class="row">
66     <div class="col-md-8">
67
68       <div class="panel panel-danger">
69         <div class="panel-heading">
70           <h3>Staff Information</h3>
71         </div>
72         <div class="panel-body">
73           <div class="col-md-12">
74             <table class="table">
75               <thead>
76                 <tr>
77                   <th>ID</th>
78                   <th>First Name</th>
79                   <th>Last Name</th>
80                   <th>Gender</th>
81                   <th>DOB</th>
82                   <th>Address</th>
83                   <th>Phone</th>
84                   <th>E-Mail</th>
85                   <th>Post</th>
86                 </tr>
87               </thead>
88               <tbody>
89             <?php
90               $con=mysqli_connect("localhost","root","","sunkoshi");

```

```

91 if(mysqli_connect_errno())
92 {
93     echo "Failed to connect MySQL". mysqli_connect_error();
94 }
95 $query2="select * from staffs";
96 $run=mysqli_query($con,$query2);
97 while($row=mysqli_fetch_array($run))
98 {
99     $id=$row['id'];
100    $a=$row['first_name'];
101    $b=$row['last_name'];
102    $c=$row['gender'];
103    $d=$row['dob'];
104    $e=$row['address'];
105    $f=$row['phone'];
106    $g=$row['email'];
107    $h=$row['post'];
108
109    ?>
110    <tr>
111        <td><?php echo $id; ?></td>
112        <td><?php echo $a; ?></td>
113        <td><?php echo $b; ?></td>
114        <td><?php echo $c; ?></td>
115        <td><?php echo $d; ?></td>
116        <td><?php echo $e; ?></td>
117        <td><?php echo $f; ?></td>
118        <td><?php echo $g; ?></td>
119        <td><?php echo $h; ?></td>
120    </tr>
121    <?php } ?>
122    </tbody>
123    </table>
124    </div>
125    </div>
126    </div>
127
128    </div>
129    <div class="col-md-4">
130        <?php include 'rightbar.php'; ?>
131    </div>
132    </div>
133    </div>
134    <!-- brief footer -->
135    <div id="tour" class="bg-1">
```

```

136 <div class="container">
137   <div class="row">
138     <div class="col-md-4">
139       <?php include 'notice_page.php'; ?>
140     </div>
141
142     <div class="col-md-4">
143       <h3>IT Manager:</h3>
144       <p>
145         Bipasha Ghimire<br>
146         Bharatpur-10, Chitwan<br>
147         Phone: 9865147345<br>
148         Email: bipasha@ismt.edu.np<br>
149         URL: www.bipashaghimire.com.np
150       </p>
151     </div>
152
153     <div class="col-md-4">
154       <h3>Contact us</h3>
155       <p>
156         Sunkoshi Rural Municipality<br>
157         Solukhumbu, Nepal<br>
158         Phone: +977 05 5243221<br>
159         email: info@sunkoshimun.com<br>
160         url: www.sunkoshimun.com<br>
161       </p>
162     </div>
163
164   </div>
165 </div>
166
167 <!-- creating footer -->
168 <footer class="text-center">
169   <a href="#" class="up-arrow" data-toggle="tooltip" title="To Top">
170     <span class="glyphicon glyphicon-chevron-up"></span>
171   </a><br><br>
172   <p>All right reserved @ <a href="https://www.sunkoshimun.gov.np" data-toggle="tooltip">www.sunkoshimun.gov.np</a>
173   </p>
174   <br>
175 </footer>
176 </div>
177 </body>
178 </html>

```

Gallery page: Screenshot

Notice:

Dissolved Ministry of Federal Affairs and Local Development
Sunkoshi Rural Municipality have a android application to download and use
Announced the Village development committee in sunkoshi
One of the seven provinces of Nepal established by the constitution of Nepal-Bagmati

IT Manager:

Bipasha Ghimire
Bharatpur-10, Chitwan
Phone: 9865147345
Email: bipasha@ismt.edu.np
URL: www.bipashaghimire.com.np

Contact us:

Sunkoshi Rural Municipality
Solukhumbu, Nepal
Phone: +977 05 5243221
email: info@sunkoshimun.com
url: www.sunkoshimun.com

All right reserved @ www.sunkoshimun.gov.np

The mid-left container displays all images of gallery.

Gallery page code:

```

about.php   staff.php   gallery.php
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Welcome to Sunkoshi Rural Municipality | About SRM | Staffs | News and Notices | Articles | Contact us </title>
5   <meta charset="utf-8">
6   <meta name="copyright" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
7   <meta name="keywords" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
8   <meta name="description" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
9   <meta name="viewport" content="width=device-width, initial-scale=1">
10  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
11  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
12  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
13  <link rel="stylesheet" type="text/css" href="css/mystyle.css">
14  <link rel="favicon icon" href="images/favicon.png">
15 </head>
16 <body>
17 <nav class="navbar navbar-inverse">
18   <div class="container-fluid">
19     <div class="navbar-header">
20       <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
21         <span class="icon-bar"></span>
22         <span class="icon-bar"></span>
23         <span class="icon-bar"></span>
24       </button>
25       <a href="#" class="navbar-brand">
26         <div class="hidden-lg hidden-md"> SRM</div>
27         <div class="brand-box hidden-sm hidden-xs"> Sunkoshi Rural Municipality</div>
28       </a>
29     </div>
30     <div class="collapse navbar-collapse" id="myNavbar">
31       <ul class="nav navbar-nav navbar-right">
32         <li><a href="index.php" class="active">Home</a></li>
33         <li><a href="about.php">About us</a></li>
34         <li><a href="notice.php">Notice and Information</a></li>
35         <li><a href="articles.php">Articles</a></li>
36         <li><a href="staff.php">Staffs</a></li>
37         <li><a href="gallery.php">Gallery</a></li>
38         <li><a href="contact.php">Contact us</a></li>
39         <li class="dropdown">
40           <a href="#" class="dropdown-toggle" data-toggle="dropdown">More</a>
41           <ul class="dropdown-menu">
42             <li><a href="login.php">Log In</a></li>
43             <li><a href="signup.php">Sign Up</a></li>
44           </ul>
45         </li>
46       </ul>
47     </div>
48   </div>
49 </nav>
50
51 <!-- about panel heading -->
52 <div class="container">
53   <div class="row">
54     <div class="col-md-12">
55       <div class="panel panel-info">
56         <div class="panel-heading">
57           <h2>Gallery</h2>
58         </div>
59       </div>
60     </div>
61   </div>
62 </div>
63 <!-- another container two column -->
64 <div class="container">
65   <div class="row">
66     <div class="col-md-8">
67
68       <div class="panel panel-danger">
69         <div class="panel-heading">
70           <h3>Photo Gallery</h3>
71         </div>
72         <div class="panel-body">
73           <div class="col-md-12">
74             <?php
75               $dir=glob('img/*.{jpg,png}',GLOB_BRACE);
76               foreach($dir as $value)
77               {
78                 ?>
79                 <a href="<?php echo $value; ?>">
80                   
81                 </a>
82                 <?php
83                 }
84               ?>
85             </div>
86           </div>
87         </div>
88
89       </div>
90       <div class="col-md-4">

```

```

91    |     |     | <?php include 'rightbar.php'; ?>
92    |     |     | </div>
93    |     |     | </div>
94    |     |     | <!-- brief footer -->
95    |     |     | <div id="four" class="bg-1">
96    |     |     |     <div class="container">
97    |     |     |         <div class="row">
98    |     |     |             <div class="col-md-4">
99    |     |     |                 <?php include 'notice_page.php'; ?>
100   |     |     |             </div>
101   |     |     |             <div class="col-md-4">
102   |     |     |                 <h3>IT Manager:</h3>
103   |     |     |                 <p>
104   |     |     |                     Bipasha Ghimire<br>
105   |     |     |                     Bharatpur-10, Chitwan<br>
106   |     |     |                     Phone: 9865147345<br>
107   |     |     |                     Email: bipasha@ismt.edu.np<br>
108   |     |     |                     URL: www.bipashaghimire.com.np
109   |     |     |                 </p>
110   |     |     |             </div>
111   |     |     |             <div class="col-md-4">
112   |     |     |                 <h3>Contact us</h3>
113   |     |     |                 <p>
114   |     |     |                     Sunkoshi Rural Municipality<br>
115   |     |     |                     Solukhumbu, Nepal<br>
116   |     |     |                     Phone: +977 05 5243221<br>
117   |     |     |                     email: info@sunkoshimun.com<br>
118   |     |     |                     url: www.sunkoshimun.com<br>
119   |     |     |                 </p>
120   |     |     |             </div>
121   |     |     |             </div>
122   |     |     |             </div>
123   |     |     |             </div>
124   |     |     |             </div>
125   |     |     |             </div>
126   |     |     |             </div>
127   |     |     |             <!-- creating footer -->
128   |     |     |             <footer class="text-center">
129   |     |     |                 <a href="#" class="up-arrow" data-toggle="tooltip" title="To Top">
130   |     |     |                     <span class="glyphicon glyphicon-chevron-up"></span>
131   |     |     |                 </a><br><br>
132   |     |     |                 <p>All right reserved @ <a href="https://www.sunkoshimun.gov.np" data-toggle="tooltip">www.sunkoshimun.gov.np</a>
133   |     |     |                 <br>
134   |     |     |             </a>
135   |     |     |             <br>
136   |     |     |             </footer>
137   |     |     |             </div>
138   |     |     |             </body>
139   |     |     |             </html>

```

Contact page: Screenshot

Contact Information

Sunkoshi Rural Municipality
Solukhumbu, Nepal
Phone: +977 05 5243221
email: info@sunkoshimun.com
url: www.sunkoshimun.com

Send Feedback:

Name: Your Name
E-Mail: E-Mail
Message: Your message goes here....

Send **Cancel**

Search

News Feeds

Notice:
Announced the Village development committee in sunkoshi
Sunkoshi Rural Municipality have a android application to download and use
Dissolved Ministry of Federal Affairs and Local Development
One of the seven provinces of Nepal established by the constitution of Nepal-Bagmati

IT Manager:
Bipasha Ghimire
Bharatpur-10, Chitwan
Phone: 9865147345
Email: bipasha@ismt.edu.np
URL: www.bipashaghimire.com.np

Contact us

Sunkoshi Rural Municipality
Solukhumbu, Nepal
Phone: +977 05 5243221
email: info@sunkoshimun.com
url: www.sunkoshimun.com

Gallery

All right reserved @ www.sunkoshimun.gov.np

Two containers are located in the middle of the left side. The first container contains contact information, while the second contains a form that can be filled out and submitted to the administrator.

Contact page code:

```

about.php   staff.php   gallery.php   contact.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Welcome to Sunkoshi Rural Municipality | About SRM | Staffs | News and Notices | Articles | Contact us </title>
5      <meta charset="utf-8">
6      <meta name="copyright" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
7      <meta name="keywords" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
8      <meta name="description" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
9      <meta name="viewport" content="width=device-width, initial-scale=1">
10     <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
11     <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
12     <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
13     <link rel="stylesheet" type="text/css" href="css/mystyle.css">
14     <link rel="favicon icon" href="images/favicon.png">
15 </head>
16 <body>
17 <nav class="navbar navbar-inverse">
18     <div class="container-fluid">
19         <div class="navbar-header">
20             <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
21                 <span class="icon-bar"></span>
22                 <span class="icon-bar"></span>
23                 <span class="icon-bar"></span>
24             </button>
25             <a href="#" class="navbar-brand">
26                  SRM</a>
27             <div class="brand-box hidden-sm hidden-xs"> Sunkoshi Rural Municipality</div>
28         </div>
29     </div>
30     <div class="collapse navbar-collapse" id="myNavbar">
31         <ul class="nav navbar-nav navbar-right">
32             <li><a href="index.php" class="active">Home</a></li>
33             <li><a href="about.php">About us</a></li>
34             <li><a href="notice.php">Notice and Information</a></li>
35             <li><a href="articles.php">Articles</a></li>
36             <li><a href="staff.php">Staffs</a></li>
37             <li><a href="gallery.php">Gallery</a></li>
38             <li><a href="contact.php">Contact us</a></li>
39             <li class="dropdown">
40                 <a href="#" class="dropdown-toggle" data-toggle="dropdown">More</a>
41                 <ul class="dropdown-menu">
42                     <li><a href="login.php">Log In</a></li>
43                     <li><a href="signup.php">Sign Up</a></li>
44                 </ul>
45             </li>
46         </ul>
47     </div>
48     </div>
49 </nav>
50
51  <!-- about panel heading -->
52 <div class="container">
53     <div class="row">
54         <div class="col-md-12">
55             <div class="panel panel-info">
56                 <div class="panel-heading">
57                     <h2>Contact us</h2>
58                 </div>
59             </div>
60         </div>
61     </div>
62 </div>
63  <!-- another container two column -->
64 <div class="container">
65     <div class="row">
66         <div class="col-md-8">
67
68             <div class="panel panel-danger">
69                 <div class="panel-heading">
70                     <h3>Contact Information</h3>
71                 </div>
72                 <div class="panel-body">
73                     <div class="col-md-12">
74                         Sunkoshi Rural Municipality<br>
75                         Solukhumbu, Nepal<br>
76                         Phone: +977 05 5243221<br>
77                         email: info@sunkoshimun.com<br>
78                         url: www.sunkoshimun.com
79                     </div>
80                 </div>
81             </div>
82
83             <div class="panel panel-danger">
84                 <div class="panel-heading">
85                     <h3>Send Feedback:</h3>
86                 </div>
87                 <div class="panel-body">
88                     <div class="col-md-12">
89                         <form class="panel panel-info" method="post" action="send_feedback.php">
90                             <div class="panel-body">

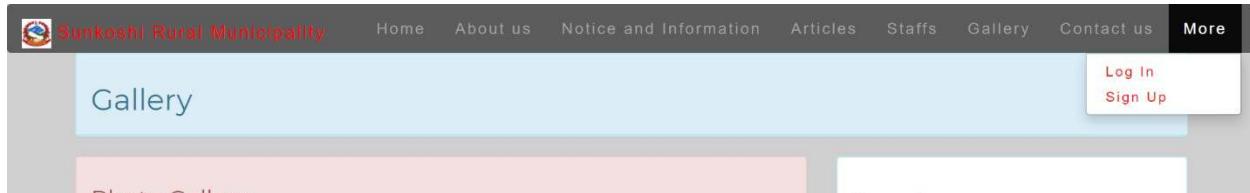
```

```

91     <div class="form-group row">
92         <label class="control-label col-md-4">Name:</label>
93         <div class="col-md-8">
94             <input type="text" name="fullname" placeholder="Your Name" class="form-control">
95         </div>
96     </div>
97
98     <div class="form-group row">
99         <label class="control-label col-md-4">E-Mail:</label>
100        <div class="col-md-8">
101            <input type="email" name="email" placeholder="E-Mail" class="form-control">
102        </div>
103    </div>
104
105    <div class="form-group row">
106        <label class="control-label col-md-4">Message:</label>
107        <div class="col-md-8">
108            <textarea rows="5" cols="50" class="form-control" name="msg" placeholder="Your message goes here...."></textarea>
109        </div>
110    </div>
111
112    <div class="form-group">
113        <button class="btn btn-success" name="submit">Send</button>
114        <button class="btn btn-danger" name="reset">Cancel</button>
115    </div>
116
117    </div>
118
119    </div>
120
121 </div>
122
123 </div>
124 <div class="col-md-4">
125     <?php include 'rightbar.php'; ?>
126 </div>
127 </div>
128
129 <!-- brief footer -->
130 <div id="tour" class="bg-1">
131     <div class="container">
132         <div class="row">
133             <div class="col-md-4">
134                 <?php include 'notice_page.php'; ?>
135             </div>
136
137             <div class="col-md-4">
138                 <h3>IT Manager:</h3>
139                 <p>
140                     Bipasha Ghimire<br>
141                     Bharatpur-10, Chitwan<br>
142                     Phone: 9865147345<br>
143                     Email: bipasha@ismit.edu.np<br>
144                     URL: www.bipashaghimire.com.np
145                 </p>
146             </div>
147
148             <div class="col-md-4">
149                 <h3>Contact us</h3>
150                 <p>
151                     Sunkoshi Rural Municipality<br>
152                     Solukhumbu, Nepal<br>
153                     Phone: +977 05 5243221<br>
154                     email: info@sunkoshimun.com<br>
155                     url: www.sunkoshimun.com<br>
156                 </p>
157             </div>
158
159         </div>
160     </div>
161
162 <!-- creating footer -->
163 <footer class="text-center">
164     <a href="#" class="up-arrow" data-toggle="tooltip" title="To Top">
165         <span class="glyphicon glyphicon-chevron-up"></span>
166     </a><br><br>
167     <p>All right reserved @ <a href="https://www.sunkoshimun.gov.np" data-toggle="tooltip">www.sunkoshimun.gov.np</a>
168     </p>
169     <br>
170 </footer>
171 </div>
172 </body>
173 </html>

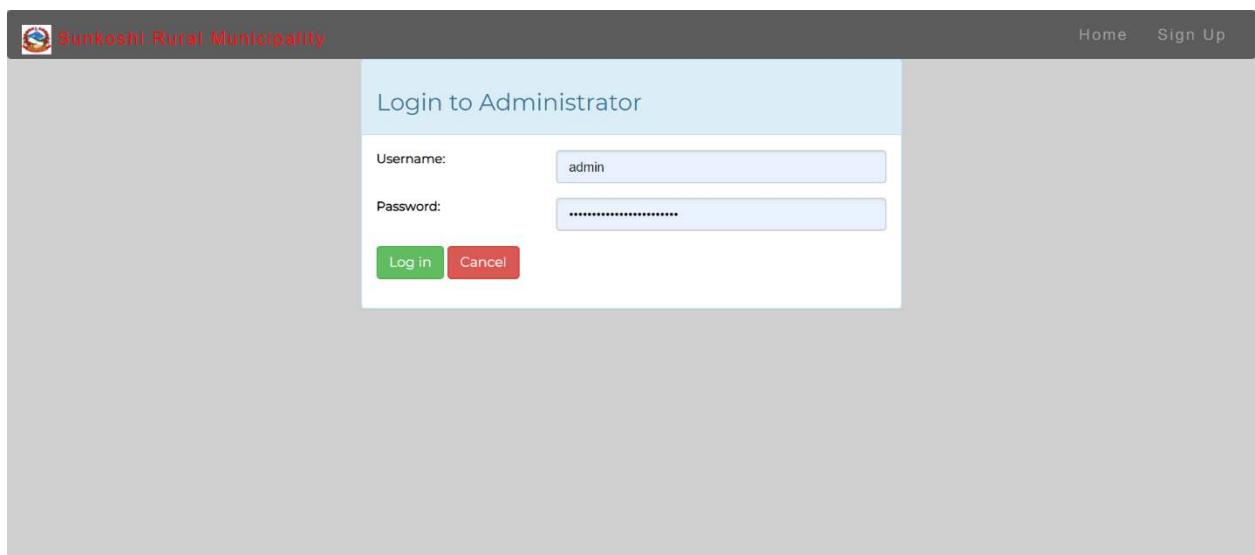
```

Dropdown menu: Screenshot



When the menu item (more) is clicked, the dropdown menu appears in the navbar. It's a page for logging in and signing up.

Login Page:



The login page has a navbar with fewer menu options. The image slide, the search box, and the footer are all missing. When a form is filled out and submitted with the correct username and password, it will take you to the dashboard.

Login page code:

```
sunkoshi > login.php
 1  ?>php
 2  session_start();
 3  ?
 4  <!DOCTYPE html>
 5  <html>
 6  <head>
 7      <title>Welcome to Sunkoshi Rural Municipality | About SRM | Staffs | News and Notices | Articles | Contact us </title>
 8      <meta charset="utf-8">
 9      <meta name="copyright" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
10      <meta name="keywords" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
11      <meta name="description" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
12      <meta name="viewport" content="width=device-width, initial-scale=1">
13      <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
14      <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
15      <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
16      <link rel="stylesheet" type="text/css" href="css/mystyle.css">
17      <link rel="icon" href="images/favicon.png">
18  </head>
19  <body>
20  <!-- login menu start -->
21  <nav class="navbar navbar-inverse">
22      <div class="container-fluid">
23          <div class="navbar-header">
24              <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
25                  <span class="icon-bar"></span>
26                  <span class="icon-bar"></span>
27                  <span class="icon-bar"></span>
28              </button>
29              <a href="#" class="navbar-brand">
30                  <div class="hidden-lg hidden-md"> SRM</div>
31                  <div class="brand-box hidden-sm hidden-xs"> Sunkoshi Rural Municipality</div>
32              </a>
33          </div>
34          <div class="collapse navbar-collapse" id="myNavbar">
35              <ul class="nav navbar-nav navbar-right">
36                  <li><a href="index.php" class="active">Home</a></li>
37                  <li><a href="signup.php">Sign Up</a></li>

```

```
sunkoshi > login.php
38     </ul>
39     </div>
40     </div>
41 </nav>
42 <!-- login menu end -->
43 <!-- creating login form -->
44 <div class="container">
45     <div class="row">
46         <div class="col-md-3"></div>
47         <div class="col-md-6">
48             <form class="panel panel-info" method="post" action="">
49                 <div class="panel-heading"><h3>Login to Administrator</h3></div>
50                 <div class="panel-body">
51                     <div class="form-group row">
52                         <label class="control-label col-md-4">Username:</label>
53                         <div class="col-md-8">
54                             <input type="text" name="username" placeholder="Username cannot be empty" class="form-control">
55                         </div>
56                     </div>
57                     <div class="form-group row">
58                         <label class="control-label col-md-4">Password:</label>
59                         <div class="col-md-8">
60                             <input type="password" name="password" placeholder="Password cannot be empty" class="form-control">
61                         </div>
62                     </div>
63                     <div class="form-group">
64                         <button class="btn btn-success" name="submit">Log in</button>
65                         <button class="btn btn-danger" name="reset">Cancel</button>
66                     </div>
67                 </div>
68             </form>
69         </div>
70         <div class="col-md-3"></div>
71     </div>
72 </div>
73
74 <!-- end login form -->
```

```
sunkoshi > login.php
75     </body>
76     </html>
77     <?php
78 $con=mysqli_connect("localhost","root","","sunkoshi");
79 if(mysqli_connect_errno())
80 {
81     echo "Failed to connect database". mysqli_connect_error();
82 }
83 if(isset($_POST['submit']))
84 {
85     $aa=$_POST['username'];
86     $bb=$_POST['password'];
87
88     $query="select * from users where username='$aa' and password='$bb'";
89     $run=mysqli_query($con,$query);
90
91     if($aa=="" & $bb=="")
92     {
93         echo"<script>alert('Some fields are empty')</script>";
94     }
95     elseif(mysqli_num_rows($run)>0)
96     {
97         $_SESSION['username']=$aa;
98         echo "<script>window.open('main.php','_self')</script>";
99     }
100
101
102     else
103     {
104         echo "<script>alert('Invalid Username or Password')</script>";
105     }
106 }
107
108 mysqli_close($con);
109 ?>
110
111
```

Sign up page: Screenshot

The screenshot shows a sign-up form titled "Sign up to Sunkoshi Administrator". The form includes fields for First Name, Last Name, Gender (Male), Date of Birth (mm/dd/yyyy), Phone (+977...), E-Mail, Username (admin), and Password (*****). There are "Create Account" and "Cancel" buttons at the bottom. The top navigation bar has links for Home and Log in.

This page also has a top navbar with fewer menu items, and only a form is accessible beneath the navbar. When the form is filled out and submitted, it will create an account for Sunkoshi Rural Municipality.

Sign up page code:

```
sunkoshi > 📄 signup.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Welcome to Sunkoshi Rural Municipality | About SRM | Staffs | News and Notices | Articles | Contact us </title>
5      <meta charset="utf-8">
6      <meta name="copyright" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
7      <meta name="keywords" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
8      <meta name="description" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
9      <meta name="viewport" content="width=device-width, initial-scale=1">
10     <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
11     <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
12     <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
13     <link rel="stylesheet" type="text/css" href="css/mystyle.css">
14     <link rel="icon" href="images/favicon.png">
15 </head>
16 <body>
17     <!-- login menu start -->
18     <nav class="navbar navbar-inverse">
19         <div class="container-fluid">
20             <div class="navbar-header">
21                 <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
22                     <span class="icon-bar"></span>
23                     <span class="icon-bar"></span>
24                     <span class="icon-bar"></span>
25                 </button>
26                 <a href="#" class="navbar-brand">
27                     <div class="hidden-lg hidden-md"> SRM</div>
28                     <div class="brand-box hidden-sm hidden-xs"> Sunkoshi Rural Municipality</div>
29                 </a>
30             </div>
31             <div class="collapse navbar-collapse" id="myNavbar">
32                 <ul class="nav navbar-nav navbar-right">
33                     <li><a href="index.php" class="active">Home</a></li>
34                     <li><a href="login.php">Log in</a></li>
35                 </ul>
36             </div>
37         </div>
38     </nav>
39     <!-- login menu end -->
40     <!-- creating login form -->
41     <div class="container">
42         <div class="row">
43             <div class="col-md-3"></div>
44             <div class="col-md-6">
45                 <form class="panel panel-info" method="post" action="">
46                     <div class="panel-heading"><h3>Sign up to Sunkoshi Administrator</h3></div>
47                     <div class="panel-body">
48                         <div class="form-group row">
49                             <label class="control-label col-md-4">First Name:</label>
50                             <div class="col-md-8">
51                                 <input type="text" name="fname" placeholder="First Name" class="form-control">
52                             </div>
53                         </div>
54                         <div class="form-group row">
55                             <label class="control-label col-md-4">Last Name:</label>
56                             <div class="col-md-8">
57                                 <input type="text" name="lname" placeholder="Last Name" class="form-control">
58                             </div>
59                         </div>
60                         <div class="form-group row">
61                             <label class="control-label col-md-4">Gender:</label>
62                             <div class="col-md-8">
63                                 <select name="gender" class="form-control">
64                                     <option value="Male">Male</option>
65                                     <option value="Female">Female</option>
66                                     <option value="Others">Others</option>
67                                 </select>
68                             </div>
69                         </div>
70                     </div>
71                 </form>
72             </div>
73         </div>
```

```
sunkoshi > 📄 signup.php
37         </div>
38     </nav>
39     <!-- login menu end -->
40     <!-- creating login form -->
41     <div class="container">
42         <div class="row">
43             <div class="col-md-3"></div>
44             <div class="col-md-6">
45                 <form class="panel panel-info" method="post" action="">
46                     <div class="panel-heading"><h3>Sign up to Sunkoshi Administrator</h3></div>
47                     <div class="panel-body">
48                         <div class="form-group row">
49                             <label class="control-label col-md-4">First Name:</label>
50                             <div class="col-md-8">
51                                 <input type="text" name="fname" placeholder="First Name" class="form-control">
52                             </div>
53                         </div>
54                         <div class="form-group row">
55                             <label class="control-label col-md-4">Last Name:</label>
56                             <div class="col-md-8">
57                                 <input type="text" name="lname" placeholder="Last Name" class="form-control">
58                             </div>
59                         </div>
60                         <div class="form-group row">
61                             <label class="control-label col-md-4">Gender:</label>
62                             <div class="col-md-8">
63                                 <select name="gender" class="form-control">
64                                     <option value="Male">Male</option>
65                                     <option value="Female">Female</option>
66                                     <option value="Others">Others</option>
67                                 </select>
68                             </div>
69                         </div>
70                     </div>
71                 </form>
72             </div>
73         </div>
```

sunkoshi > 📄 signup.php

```

74     <div class="form-group row">
75         <label class="control-label col-md-4">Date of Birth:</label>
76         <div class="col-md-8">
77             <input type="date" name="dob" placeholder="Date of Birth" class="form-control">
78         </div>
79     </div>

80
81     <div class="form-group row">
82         <label class="control-label col-md-4">Phone:</label>
83         <div class="col-md-8">
84             <input type="text" name="phone" placeholder="+977..." class="form-control">
85         </div>
86     </div>

87
88     <div class="form-group row">
89         <label class="control-label col-md-4">E-Mail:</label>
90         <div class="col-md-8">
91             <input type="email" name="email" placeholder="E-Mail" class="form-control">
92         </div>
93     </div>

94
95     <div class="form-group row">
96         <label class="control-label col-md-4">Username:</label>
97         <div class="col-md-8">
98             <input type="text" name="username" placeholder="Username" class="form-control">
99         </div>
100    </div>

101
102    <div class="form-group row">
103        <label class="control-label col-md-4">Password:</label>
104        <div class="col-md-8">
105            <input type="password" name="password" placeholder="Password" class="form-control">
106        </div>
107    </div>

108
109    <div class="form-group">
110        <button class="btn btn-success" name="submit">Create Account</button>

```

```

sunkoshi > 🗄 signup.php
111     <button class="btn btn-danger" name="reset">Cancel</button>
112     </div>
113     </div>
114     </form>
115     </div>
116     <div class="col-md-3"></div>
117   </div>
118 </div>
119
120 <!-- end login form -->
121 </body>
122 </html>
123 </?php
124 $con=mysqli_connect("localhost","root","","sunkoshi");
125 if(mysqli_connect_errno())
126 {
127   echo "Failed to connect database". mysqli_connect_error();
128 }
129 if(isset($_POST['submit']))
130 {
131   $a=$_POST['fname'];
132   $b=$_POST['lname'];
133   $c=$_POST['gender'];
134   $d=$_POST['dob'];
135   $e=$_POST['phone'];
136   $f=$_POST['email'];
137   $g=$_POST['username'];
138   $h=$_POST['password'];
139
140   if($a=="" || $b=="" || $e=="" || $f=="" || $g=="" || $h=="")
141   {
142     echo "<script>window.alert('Some fields are empty')</script>";
143   }
144   else
145   {
146     $query1="insert into users (first_name,last_name,gender,dob,phone,email,username,password)values('$a','$b','$c','$d','$e','$f','$g','$h')";
147     if(mysqli_query($con,$query1))
148   {
149     echo "<script>window.alert('User created successfully')</script>";
150   }
151   else
152   {
153     echo "<script>window.alert('User not created')</script>";
154   }
155 }
156 }
157 mysqli_close($con);
158 ?>

```

```

sunkoshi > 🗄 signup.php
148   {
149     echo "<script>window.alert('User created successfully')</script>";
150   }
151   else
152   {
153     echo "<script>window.alert('User not created')</script>";
154   }
155 }
156 }
157 mysqli_close($con);
158 ?>

```

Dashboard page screenshot:

The screenshot shows the 'Main Dashboard' page. The sidebar on the left lists several administrative tasks: Dashboard, Update Gallery, Update Post, Update Population, and Update Staff. The main content area features a large red header 'Main Dashboard' and a white box containing the text: 'You can update gallery, post, population as well as staffs details from the dashboard of Sunkoshi Rural Municipality. There are update and delete facilities into every pages.'

We can use this page to add, update, and delete gallery, post, population, and staff information. On the top, there is a navbar with a logo and fewer menu items. There are two containers after that. The first container on the left shows a list of options that, when clicked, will take you to another form. The information about the page is displayed in the second container.

Dashboard form code:

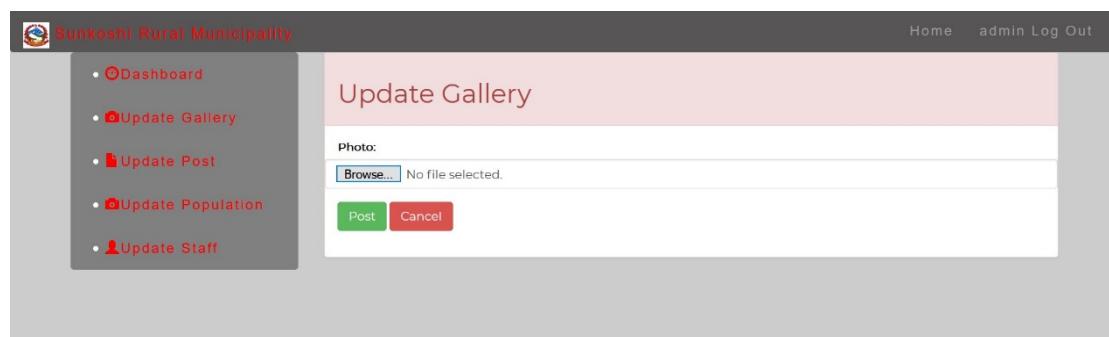
```
sunkoshi > main.php
1  <?php
2  session_start();
3  if(!isset($_SESSION['username']))
4  {
5      header("location: login.php");
6  }
7  else
8  {
9  ?>
10 <!DOCTYPE html>
11 <html>
12 <head>
13     <title>Welcome to Sunkoshi Rural Municipality | About SRM | Staffs | News and Notices | Articles | Contact us </title>
14     <meta charset="utf-8">
15     <meta name="copyright" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
16     <meta name="keywords" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
17     <meta name="description" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
18     <meta name="viewport" content="width=device-width, initial-scale=1">
19     <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
20     <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
21     <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
22     <link rel="stylesheet" type="text/css" href="css/mystyle.css">
23     <link rel="favicon icon" href="images/favicon.png">
24 </head>
25 <body>
26 <!-- navbar start -->
27 <nav class="navbar navbar-inverse">
28     <div class="container-fluid">
29         <div class="navbar-header">
30             <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
31                 <span class="icon-bar"></span>
32                 <span class="icon-bar"></span>
33                 <span class="icon-bar"></span>
34             </button>
35             <a href="#" class="navbar-brand">
36                 <div class="hidden-lg hidden-md"> SRM</div>
```

```
sunkoshi > main.php
37 |     <div class="brand-box hidden-sm hidden-xs"> Sunkoshi Rural Municipality</div>
38 |     </div>
39 |     </div>
40 |     <div class="collapse navbar-collapse" id="myNavbar">
41 |       <ul class="nav navbar-nav navbar-right">
42 |         <li><a href="index.php" class="active">Home</a></li>
43 |         <li><a href="logout.php"><?php echo $_SESSION['username']; ?> Log Out</a></li>
44 |       </ul>
45 |     </div>
46 |   </div>
47 | </nav>
48 | <!-- navbar end -->
49 | <div class="container">
50 |   <div class="row">
51 |     <div class="col-md-3">
52 |       <ul class="navbars" style="background-color: gray; line-height: 50px;">
53 |         <li><a href="#"><span class="glyphicon glyphicon-dashboard"></span>Dashboard</a></li>
54 |         <li><a href="update_gallery.php"><span class="glyphicon glyphicon-camera"></span>Update Gallery</a></li>
55 |         <li><a href="update_post.php"><span class="glyphicon glyphicon-file"></span>Update Post</a></li>
56 |         <li><a href="update_population.php"><span class="glyphicon glyphicon-camera"></span>Update Population</a></li>
57 |         <li><a href="update_staff.php"><span class="glyphicon glyphicon-user"></span>Update Staff</a></li>
58 |       </ul>
59 |     </div>
60 |     <div class="col-md-9">
61 |
62 |       <div class="panel panel-danger">
63 |         <div class="panel-heading">
64 |           <h2>Main Dashboard</h2>
65 |         </div>
66 |         <div class="panel-body">
67 |           <p>
68 |             You can update gallery, post, population as well as staffs details from the dashboard of Sunkoshi Rural Municipality.
69 |           There are update and delete facilities into every pages.
70 |           </p>
71 |         </div>
72 |       </div>
73 |     </div>
74 |   </div>
75 | </div>
76 | </div>
77 | </div>
78 | </div>
79 |
80 | </body>
81 | </html>
82 | <?php
83 | [ ]?
84 | ?>
```

```
sunkoshi > main.php
```

```
73 |     </div>
74 |   </div>
75 |
76 |   </div>
77 | </div>
78 | </div>
79 |
80 | </body>
81 | </html>
82 | <?php
83 | [ ]?
84 | ?>
```

Update gallery page:



The top of this page has a navigation bar. There are two containers after that. When the first container is clicked, it displays a list of options that will take you to another page. A form in the second container allows us to add images to the gallery page.

Update gallery page code:

```
sunkoshi > update_gallery.php
1  <?php
2  session_start();
3  if(!isset($_SESSION['username']))
4  {
5      header("location: login.php");
6  }
7 else
8 {
9 ?>
10 <!DOCTYPE html>
11 <html>
12 <head>
13     <title>Welcome to Sunkoshi Rural Municipality | About SRM | Staffs | News and Notices | Articles | Contact us </title>
14     <meta charset="utf-8">
15     <meta name="copyright" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
16     <meta name="keywords" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
17     <meta name="description" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
18     <meta name="viewport" content="width=device-width, initial-scale=1">
19     <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
20     <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
21     <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
22     <link rel="stylesheet" type="text/css" href="css/mystyle.css">
23     <link rel="favicon icon" href="images/favicon.png">
24 </head>
25 <body>
26 <!-- navbar start -->
27 <nav class="navbar navbar-inverse">
28     <div class="container-fluid">
29         <div class="navbar-header">
30             <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
31                 <span class="icon-bar"></span>
32                 <span class="icon-bar"></span>
33                 <span class="icon-bar"></span>
34             </button>
35             <a href="#" class="navbar-brand">
36                 <div class="hidden-lg hidden-md"> SRM</div>
37                 <div class="brand-box hidden-sm hidden-xs"> Sunkoshi Rural Municipality</div>

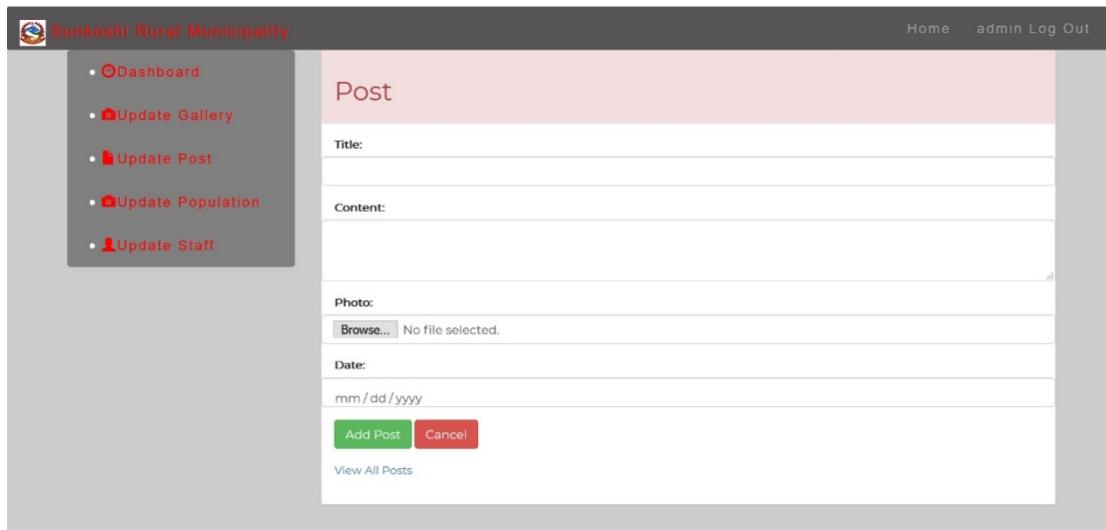
```

```
sunkoshi > update_gallery.php
38         </a>
39     </div>
40     <div class="collapse navbar-collapse" id="myNavbar">
41         <ul class="nav navbar-nav navbar-right">
42             <li><a href="index.php" class="active">Home</a></li>
43             <li><a href="logout.php"><?php echo $_SESSION['username']; ?> Log Out</a></li>
44         </ul>
45     </div>
46 </div>
47 </nav>
48 <!-- navbar end -->
49 <div class="container">
50     <div class="row">
51         <div class="col-md-3">
52             <ul class="nav" style="background-color: gray; line-height: 50px;">
53                 <li><a href="main.php"><span class="glyphicon glyphicon-dashboard"></span>Dashboard</a></li>
54                 <li><a href="update_gallery.php"><span class="glyphicon glyphicon-camera"></span>Update Gallery</a></li>
55                 <li><a href="update_post.php"><span class="glyphicon glyphicon-file"></span>Update Post</a></li>
56                 <li><a href="update_population.php"><span class="glyphicon glyphicon-camera"></span>Update Population</a></li>
57                 <li><a href="update_staff.php"><span class="glyphicon glyphicon-user"></span>Update Staff</a></li>
58             </ul>
59         </div>
60         <div class="col-md-9">
61             <div class="panel panel-danger">
62                 <div class="panel-heading">
63                     <h2>Update Gallery</h2>
64                 </div>
65                 <div class="panel-body">
66                     <form method="post" action="" enctype="multipart/form-data">
67                         <div class="form-group row">
68                             <label class="control-label col-md-4">Photo:</label>
69                             <input type="file" name="image" class="form-control" />
70                         </div>
71                         <div class="form-group">
72                             <button class="btn btn-success" name="submit">Post</button>
73                             <button class="btn btn-danger" name="cancel">Cancel</button>
74                         </div>

```

```
sunkoshi > update_gallery.php
75      |     </div>
76      |     </form>
77      |     <?php
78      |     if(isset($_POST['submit']))
79      |     {
80      |     $image_name=$_FILES['image']['name'];
81      |     $image_type=$_FILES['image']['type'];
82      |     $image_tmp=$_FILES['image']['tmp_name'];
83      |     move_uploaded_file("$image_tmp", "img/$image_name");
84      |     echo "File uploaded successfully";
85      |     echo "<img src='img/$image_name' width='300px' height='250px'>";
86      |     }
87
88      ?>
89      </div>
90      </div>
91
92      </div>
93
94      </div>
95      </div>
96  </div>
97
98  </body>
99  </html>
100 <?php
101 }
102 ?>
103
104
```

Update post Page:



On the updated post page, there is a top navbar with a logo and fewer menu items. This page contains two containers. The first container shows a list of options that, when clicked, will take you to a related page. The second container contains a form that can be used to create a post by filling it out. When you click the text “View all Posts” at the bottom of the form, it will take you to a related page.

Update post page code:

```
sunkoshi > update_post.php
1  <?php
2  session_start();
3  if(!isset($_SESSION['username']))
4  {
5      header("location: login.php");
6  }
7 else
8 {
9 ?>
10 <!DOCTYPE html>
11 <html>
12 <head>
13     <title>Welcome to Sunkoshi Rural Municipality | About SRM | Staffs | News and Notices | Articles | Contact us </title>
14     <meta charset="utf-8">
15     <meta name="copyright" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
16     <meta name="keywords" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
17     <meta name="description" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
18     <meta name="viewport" content="width=device-width, initial-scale=1">
19     <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
20     <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
21     <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
22     <link rel="stylesheet" type="text/css" href="css/mystyle.css">
23     <link rel="favicon icon" href="images/favicon.png">
24 </head>
25 <body>
26 <!-- navbar start -->
27 <nav class="navbar navbar-inverse">
28     <div class="container-fluid">
29         <div class="navbar-header">
30             <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
31                 <span class="icon-bar"></span>
32                 <span class="icon-bar"></span>
33                 <span class="icon-bar"></span>
34             </button>
35             <a href="#" class="navbar-brand">
36                 <div class="hidden-lg hidden-md"> SRM</div>
37                 <div class="brand-box hidden-sm hidden-xs"> Sunkoshi Rural Municipality</div>

```

```

sunkoshi > update_post.php
38     </a>
39   </div>
40   <div class="collapse navbar-collapse" id="myNavbar">
41     <ul class="nav navbar-nav navbar-right">
42       <li><a href="index.php" class="active">Home</a></li>
43       <li><a href="logout.php"><?php echo $_SESSION['username']; ?> Log Out</a></li>
44     </ul>
45   </div>
46 </div>
47 </nav>
48 <!-- navbar end -->
49 <div class="container">
50   <div class="row">
51     <div class="col-md-3">
52       <ul class="navbar" style="background-color: gray; line-height: 50px;">
53         <li><a href="main.php"><span class="glyphicon glyphicon-dashboard"></span>Dashboard</a></li>
54         <li><a href="update_gallery.php"><span class="glyphicon glyphicon-camera"></span>Update Gallery</a></li>
55         <li><a href="update_post.php"><span class="glyphicon glyphicon-file"></span>Update Post</a></li>
56         <li><a href="update_population.php"><span class="glyphicon glyphicon-camera"></span>Update Population</a></li>
57         <li><a href="update_staff.php"><span class="glyphicon glyphicon-user"></span>Update Staff</a></li>
58       </ul>
59     </div>
60   <div class="col-md-9">
61
62     <div class="panel panel-danger">
63       <div class="panel-heading">
64         <h2>Post</h2>
65       </div>
66       <div class="panel-body">
67         <form method="post" action="" enctype="multipart/form-data">
68           <div class="form-group row">
69             <label class="control-label col-md-4">Title:</label>
70             <input type="text" name="title" class="form-control">
71           </div>
72
73           <div class="form-group row">
74             <label class="control-label col-md-4">Content:</label>

```

```

sunkoshi > update_post.php
75           <textarea name="content" class="form-control"></textarea>
76         </div>
77
78         <div class="form-group row">
79           <label class="control-label col-md-4">Photo:</label>
80           <input type="file" name="photo" class="form-control">
81         </div>
82
83         <div class="form-group row">
84           <label class="control-label col-md-4">Date:</label>
85           <input type="date" name="date" class="form-control">
86         </div>
87         <div class="form-group">
88           <button class="btn btn-success" name="submit">Add Post</button>
89           <button class="btn btn-danger" name="cancel">Cancel</button>
90         </div>
91         <div class="form-group">
92           <a href="view_post.php">View All Posts</a>
93
94         </div>
95       </form>
96     <?php
97     $con=mysqli_connect("localhost","root","","sunkoshi");
98     if(mysqli_connect_errno())
99     {
100       echo "Failed to connect database". mysqli_connect_error();
101     }
102     if(isset($_POST['submit']))
103     {
104       $title=$_POST['title'];
105       $content=$_POST['content'];
106       $image_name=$_FILES['photo'][ 'name'];
107       $image_type=$_FILES['photo'][ 'type'];
108       $image_tmp=$_FILES['photo'][ 'tmp_name'];
109       $image_size=$_FILES['photo'][ 'size'];
110
111       $date=$_POST[ 'date'];

```

```
sunkoshi > update_post.php
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
    $date=$_POST['date'];
    if($title=='' || $content=='' || $date=='')
    {
        echo "<script>window.alert('Some fields are empty')</script>";
    }
    else if($image_type=="image/jpeg" or $image_type=="image/png" or $image_type=="image/gif")
    {
        if($image_size<=200000)
        {
            move_uploaded_file($image_tmp,"images/$image_name");
        }

        $query="insert into post(title,content,photo,date)values('$title','$content','$image_name','$date')";
        if(mysqli_query($con,$query))
        {
            echo "<script>window.alert('Post added successfully')</script>";
        }
        else
        {
            echo "<script>window.alert('Not successful')</script>";
        }
    }
    else
    {
        echo "<script>window.alert('Image is too large than 2 mb')</script>";
    }
}
mysqli_close($con);
?>
</div>
</div>
```

```
sunkoshi > update_post.php
```

```
148     </div>
149
150     </div>
151     </div>
152 </div>
153
154 </body>
155 </html>
156 <?php
157 ?
158 ?>
159
160
```

View all post page:

| Post ID | Title | Content | Image | Date | Edit | Delete |
|---------|--|---|-------------------------------|------------|------|--------|
| 2 | Announced the Village development committee in sunkoshi | A Village Development Committee (VDC) (Nepali: ?????? ??????) in Nepal was the lower administrative part of its Ministry of Federal Affairs and Local Development. Each district had several VDCs, similar to municipalities but with greater public-government interaction and administration. There were 3,167 village development committees in Nepal. | PHOTO-2019-10-19-18-12-03.jpg | 2020-05-02 | Edit | Delete |
| 3 | One of the seven provinces of Nepal established by the constitution of Nepal-Bagmati | Bagmati Pradesh (Nepali: ?????? ??????) is one of the seven provinces of Nepal established by the constitution of Nepal as of 20 September 2015. It has Hetauda as its provincial headquarter. The province is the home to the country's capital Kathmandu, is mostly hilly and mountainous, and has mountain peaks including Gaurishankar, Langtang, Jugal, and Ganesh. The province covers an area of 20,300 km ² - about 14% of the country's total area, and has an altitude low enough to support deciduous, coniferous, and alpine forests and woodlands. Temperature varies with altitude. Rainfall takes place mainly during the summer. | PHOTO-2019-10-19-18-12-03.jpg | 2020-05-02 | Edit | Delete |
| 4 | Sunkoshi Rural Municipality have a android application to download and use | You can download and use Sunkoshi Rural Municipality's android application from play store to download and use. You can easily get notices from app, also it makes transparent to every information towards peoples of sunkoshi municipality. This is recent project of sunkoshi rural municipality to develop community standard. | PHOTO-2019-10-19-18-12-03.jpg | 2020-05-02 | Edit | Delete |

This page has a top-level navbar with a logo and fewer menu options. There are two containers in this set. The first container shows a list of options that, when clicked, will take you to a related page. The second container shows all of the posts that have been created and includes options to edit and delete them. When you click the “edit” text, it will take you to the edit post page, and when you click the “delete” text, it will delete the related post.

View all post page code:

```
sunkoshi > 🌐 view_post.php
 1  <?php
 2  session_start();
 3  if(!isset($_SESSION['username']))
 4  {
 5      header("location: login.php");
 6  }
 7  else
 8  {
 9  ?>
10  <!DOCTYPE html>
11  <html>
12  <head>
13      <title>Welcome to Sunkoshi Rural Municipality | About SRM | Staffs | News and Notices | Articles | Contact us </title>
14      <meta charset="utf-8">
15      <meta name="copyright" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
16      <meta name="keywords" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
17      <meta name="description" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
18      <meta name="viewport" content="width=device-width, initial-scale=1">
19      <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
20      <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
21      <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
22      <link rel="stylesheet" type="text/css" href="css/mystyle.css">
23      <link rel="favicon icon" href="images/favicon.png">
24  </head>
25  <body>
26  <!-- navbar start -->
27  <nav class="navbar navbar-inverse">
28      <div class="container-fluid">
29          <div class="navbar-header">
30              <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
31                  <span class="icon-bar"></span>
32                  <span class="icon-bar"></span>
33                  <span class="icon-bar"></span>
34              </button>
35              <a href="#" class="navbar-brand">
36                  <div class="hidden-lg hidden-md"> SRM</div>
37          </div>
38      </div>
39      <div class="collapse navbar-collapse" id="myNavbar">
40          <ul class="nav navbar-nav navbar-right">
41              <li><a href="index.php" class="active">Home</a></li>
42              <li><a href="logout.php"><?php echo $_SESSION['username']; ?> Log Out</a></li>
43          </ul>
44      </div>
45  </div>
46  </div>
47  </nav>
48  <!-- navbar end -->
49  <div class="container">
50      <div class="row">
51          <div class="col-md-3">
52              <ul class="nav" style="background-color: gray; line-height: 50px;">
53                  <li><a href="main.php"><span class="glyphicon glyphicon-dashboard"></span>Dashboard</a></li>
54                  <li><a href="update_gallery.php"><span class="glyphicon glyphicon-camera"></span>Update Gallery</a></li>
55                  <li><a href="update_post.php"><span class="glyphicon glyphicon-file"></span>Update Post</a></li>
56                  <li><a href="update_population.php"><span class="glyphicon glyphicon-camera"></span>Update Population</a></li>
57                  <li><a href="update_staff.php"><span class="glyphicon glyphicon-user"></span>Update Staff</a></li>
58              </ul>
59          </div>
60          <div class="col-md-9">
61              <div class="panel panel-danger">
62                  <div class="panel-heading">
63                      <h2>All Posts</h2>
64                  </div>
65                  <div class="panel-body">
66                      <table class="table table-bordered">
67                          <thead>
68                              <tr>
69                                  <th>Post ID</th>
70                                  <th>Title</th>
71                                  <th>Content</th>
72                                  <th>Image</th>
73                          </tr>
74                      </thead>
75                      <tbody>
76                          <tr>
77                              <td>1</td>
78                              <td>Post 1</td>
79                              <td>This is the content of the first post.</td>
80                              <td></td>
81                          </tr>
82                      </tbody>
83                  </table>
84              </div>
85          </div>
86      </div>
87  </div>
```

```

sunkoshi > view_post.php
73 |           <th>Date</th>
74 |           <th>Edit</th>
75 |           <th>Delete</th>
76 |       </thead>
77 |
78 |   <?php
79 |   $con=mysqli_connect("localhost","root","","sunkoshi");
80 |   if(mysqli_connect_errno())
81 |   {
82 |       echo "Failed to connect database". mysqli_connect_error();
83 |   }
84 |   $query="select * from post";
85 |   $run=mysqli_query($con,$query);
86 |   while($row=mysqli_fetch_array($run))
87 |   {
88 |       $id=$row['post_id'];
89 |       $title=$row['title'];
90 |       $content=$row['content'];
91 |       $image_name=$row['photo'];
92 |       $date=$row['date'];
93 |
94 |   ?>
95 |
96 |   <tbody>
97 |       <tr>
98 |           <td><?php echo $id; ?></td>
99 |           <td><?php echo $title; ?></td>
100 |           <td><?php echo $content; ?></td>
101 |           <td><?php echo $image_name; ?></td>
102 |           <td><?php echo $date; ?></td>
103 |           <td><a href="edit_post.php?userid=<?php echo $id; ?>&title=<?php echo $title; ?>&content=<?php echo $content; ?>&img=<?php echo $image_name; ?>&date=<?php echo $date; ?>">Edit</a></td>
104 |           <td><a href="delete_post.php?Del=<?php echo $id; ?>">Delete</a></td>
105 |
106 |       </tr>
107 |   </tbody>
108 | <?php } ?>
109 |
110 |
111 |
112 |
113 |
114 |
115 |
116 |
117 |
118 |
119 |
120 |
121 |
122 |
123 |
124 |
125 |
126

```

Delete code:

```
sunkoshi > 🐾 delete_post.php
1 <?php
2 $con=mysqli_connect("localhost","root","","sunkoshi");
3 if(mysqli_connect_errno())
4 {
5 | echo "Failed to connect database". mysqli_connect_error();
6 }
7 if(isset($_GET['Del']))
8 {
9 $userid=$_GET['Del'];
10 $query3="delete from post where post_id='".$userid."'";
11 $run=mysqli_query($con,$query3);
12 if($run)
13 {
14 | header("location:view_post.php");
15 }
16 else
17 {
18 | echo "<script><?php echo 'Not deleted' ?></script>";
19 }
20 }
21 mysqli_close($con);
22 ?>
```

Edit post page:

This page has a top-level navbar with a logo and fewer menu options. There are two containers in this set. The first container shows a list of options that, when clicked, will take you to a related page. The second container shows a form where we can make changes to the data.

Edit post page code:

```
sunkoshi > edit_post.php
 1  <?php
 2  session_start();
 3  if(!isset($_SESSION['username']))
 4  {
 5  |   header("location: login.php");
 6  }
 7 else
 8 {
 9 ?>
10 <!DOCTYPE html>
11 <html>
12 <head>
13 |   <title>Welcome to Sunkoshi Rural Municipality | About SRM | Staffs | News and Notices | Articles | Contact us </title>
14 |   <meta charset="utf-8">
15 |   <meta name="copyright" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
16 |   <meta name="keywords" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
17 |   <meta name="description" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
18 |   <meta name="viewport" content="width=device-width, initial-scale=1">
19 |   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
20 |   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
21 |   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
22 |   <link rel="stylesheet" type="text/css" href="css/mystyle.css">
23 |   <link rel="favicon icon" href="images/favicon.png">
24 </head>
25 <body>
26 <!-- navbar start -->
27 <nav class="navbar navbar-inverse">
28 |   <div class="container-fluid">
29 |     <div class="navbar-header">
30 |       <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
31 |         <span class="icon-bar"></span>
32 |         <span class="icon-bar"></span>
33 |         <span class="icon-bar"></span>
34 |       </button>
35 |       <a href="#" class="navbar-brand">
36 |         <div class="hidden-lg hidden-md"> SRM</div>
37 |         <div class="brand-box hidden-sm hidden-xs"> Sunkoshi Rural Municipality</div>
38 </a>
39 </div>
40 <div class="collapse navbar-collapse" id="myNavbar">
41 |   <ul class="nav navbar-nav navbar-right">
42 |     <li><a href="index.php" class="active">Home</a></li>
43 |     <li><a href="logout.php"><?php echo $_SESSION['username']; ?> Log Out</a></li>
44 |   </ul>
45 |   </div>
46 | </div>
47 </nav>
48 <!-- navbar end -->
49 <div class="container">
50 |   <div class="row">
51 |     <div class="col-md-3">
52 |       <ul class="nav" style="background-color: gray; line-height: 50px;">
53 |         <li><a href="main.php"><span class="glyphicon glyphicon-dashboard"></span>Dashboard</a></li>
54 |         <li><a href="update_gallery.php"><span class="glyphicon glyphicon-camera"></span>Update Gallery</a></li>
55 |         <li><a href="update_post.php"><span class="glyphicon glyphicon-file"></span>Update Post</a></li>
56 |         <li><a href="update_population.php"><span class="glyphicon glyphicon-camera"></span>Update Population</a></li>
57 |         <li><a href="update_staff.php"><span class="glyphicon glyphicon-user"></span>Update Staff</a></li>
58 |       </ul>
59 |     </div>
60 |     <div class="col-md-9">
61 |
62 |       <div class="panel panel-danger">
63 |         <div class="panel-heading">
64 |           <h2>Edit Posts</h2>
65 |         </div>
66 |         <div class="panel-body">
67 |           <form method="get" action="edit_post_code.php" enctype="multipart/form-data">
68 |             <div class="form-group row">
69 |               <label class="control-label col-md-4">ID:</label>
70 |               <input type="text" name="id1" class="form-control" value="<?php echo $_GET['userid']; ?>">
71 |             </div>
72 |             <div class="form-group row">
73 |               <label class="control-label col-md-4">Title:</label>
74 |               <input type="text" name="title1" class="form-control" value="<?php echo $_GET['title']'; ?>">
```

```
sunkoshi > edit_post.php
 38 |           </a>
 39 |         </div>
 40 |         <div class="collapse navbar-collapse" id="myNavbar">
 41 |           <ul class="nav navbar-nav navbar-right">
 42 |             <li><a href="index.php" class="active">Home</a></li>
 43 |             <li><a href="logout.php"><?php echo $_SESSION['username']; ?> Log Out</a></li>
 44 |           </ul>
 45 |           </div>
 46 |         </div>
 47 </nav>
 48 <!-- navbar end -->
 49 <div class="container">
 50 |   <div class="row">
 51 |     <div class="col-md-3">
 52 |       <ul class="nav" style="background-color: gray; line-height: 50px;">
 53 |         <li><a href="main.php"><span class="glyphicon glyphicon-dashboard"></span>Dashboard</a></li>
 54 |         <li><a href="update_gallery.php"><span class="glyphicon glyphicon-camera"></span>Update Gallery</a></li>
 55 |         <li><a href="update_post.php"><span class="glyphicon glyphicon-file"></span>Update Post</a></li>
 56 |         <li><a href="update_population.php"><span class="glyphicon glyphicon-camera"></span>Update Population</a></li>
 57 |         <li><a href="update_staff.php"><span class="glyphicon glyphicon-user"></span>Update Staff</a></li>
 58 |       </ul>
 59 |     </div>
 60 |     <div class="col-md-9">
 61 |
 62 |       <div class="panel panel-danger">
 63 |         <div class="panel-heading">
 64 |           <h2>Edit Posts</h2>
 65 |         </div>
 66 |         <div class="panel-body">
 67 |           <form method="get" action="edit_post_code.php" enctype="multipart/form-data">
 68 |             <div class="form-group row">
 69 |               <label class="control-label col-md-4">ID:</label>
 70 |               <input type="text" name="id1" class="form-control" value="<?php echo $_GET['userid']; ?>">
 71 |             </div>
 72 |             <div class="form-group row">
 73 |               <label class="control-label col-md-4">Title:</label>
 74 |               <input type="text" name="title1" class="form-control" value="<?php echo $_GET['title']'; ?>">
```

```
sunkoshi > edit_post.php
75 |     
```

- 76 | </div>
- 77 | <div class="form-group row">
- 78 | <label class="control-label col-md-4">Content:</label>
- 79 | <input type="text" name="content1" class="form-control" value=<?php echo \$_GET['con']; ?>>
- 80 | </div>
- 81 | <div class="form-group row">
- 82 | <label class="control-label col-md-4">Photo:</label>
- 83 | <input type="text" name="photo1" class="form-control" value=<?php echo \$_GET['img']; ?>>
- 84 | </div>
- 85 | <div class="form-group row">
- 86 | <label class="control-label col-md-4">Date:</label>
- 87 | <input type="date" name="date1" class="form-control" value=<?php echo \$_GET['dt']; ?>>
- 88 | </div>
- 89 | <div class="form-group">
- 90 | <button class="btn btn-success" name="submit">Update Post</button>
- 91 | <button class="btn btn-danger" name="cancel">Cancel</button>
- 92 | </div>
- 93 | </div>
- 94 | </div>
- 95 | </form>
- 96 | </div>
- 97 | </div>
- 98 | </div>
- 99 | </div>
- 100 | </div>
- 101 | </div>
- 102 | </div>
- 103 | </div>
- 104 | </div>
- 105 | </body>
- 106 | </html>
- 107 | <?php
- 108 | }
- 109 | ?>
- 110 |
- 111 |

Update post code:

```
sunkoshi > edit_post_code.php
1  <?php
2  $con=mysqli_connect("localhost","root","","sunkoshi");
3  if(mysqli_connect_errno())
4  {
5      echo "Failed to connect database". mysqli_connect_error();
6  }
7  if(isset($_GET['submit']))
8  {
9      $a=$_GET['id1'];
10     $b=$_GET['title1'];
11     $c=$_GET['content1'];
12     $d=$_GET['photo1'];
13     $e=$_GET['date1'];
14     $query="update post set title='$b', content='$c', photo='$d', date='$e' where post_id='$a'";
15     $run=mysqli_query($con,$query);
16     if($run)
17     {
18         header("location:view_post.php");
19     }
20     else
21     {
22         echo "<script>window.alert('Unable to update');</script>";
23     }
24     else
25     {
26         header("location:view_post.php");
27     }
28     mysqli_close($con);
29
30
31     ?>
```

Update population page:

The screenshot shows a web application interface for updating population records. The top navigation bar includes a logo, the site name 'Sunkoshi Rural Municipality', and links for 'Home', 'admin', and 'Log Out'. On the left, a sidebar menu lists 'Dashboard', 'Update Gallery', 'Update Post', 'Update Population' (which is currently selected), and 'Update Staff'. The main content area is titled 'Update Population' and contains several input fields: 'Head of Family', 'Number of member', 'Occupation', 'Male', 'Female', 'Others', 'Religion', and 'Cast'. At the bottom of the form are two buttons: a green 'Add Record' button and a red 'Cancel' button.

This page has a top-level navbar with a logo and fewer menu options. There are two containers in this set. The first container shows a list of options that, when clicked, will take you to a related page. The second container shows a form that can be filled out to add a population record.

Update population page code:

```
sunkoshi > update_population.php
 1  <?php
 2  session_start();
 3  if(!isset($_SESSION['username']))
 4  {
 5      header("location: login.php");
 6  }
 7  else
 8  {
 9  ?>
10  <!DOCTYPE html>
11  <html>
12  <head>
13      <title>Welcome to Sunkoshi Rural Municipality | About SRM | Staffs | News and Notices | Articles | Contact us </title>
14      <meta charset="utf-8">
15      <meta name="copyright" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
16      <meta name="keywords" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
17      <meta name="description" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
18      <meta name="viewport" content="width=device-width, initial-scale=1">
19      <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
20      <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
21      <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
22      <link rel="stylesheet" type="text/css" href="css/mystyle.css">
23      <link rel="favicon icon" href="images/favicon.png">
24  </head>
25  <body>
26  <!-- navbar start -->
27  <nav class="navbar navbar-inverse">
28      <div class="container-fluid">
29          <div class="navbar-header">
30              <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
31                  <span class="icon-bar"></span>
32                  <span class="icon-bar"></span>
33                  <span class="icon-bar"></span>
34              </button>
35              <a href="#" class="navbar-brand">
36                  <div class="hidden-lg hidden-md"> SRM</div>
```

```
sunkoshi > update_population.php
37     <div class="brand-box hidden-sm hidden-xs"> Sunkoshi Rural Municipality</div>
38     </div>
39 </div>
40 <div class="collapse navbar-collapse" id="myNavbar">
41   <ul class="nav navbar-nav navbar-right">
42     <li><a href="index.php" class="active">Home</a></li>
43     <li><a href="Logout.php"><?php echo $_SESSION['username']; ?> Log Out</a></li>
44   </ul>
45 </div>
46 </div>
47 </nav>
48 <!-- navbar end -->
49 <div class="container">
50   <div class="row">
51     <div class="col-md-3">
52       <ul class="nav" style="background-color: gray; line-height: 50px;">
53         <li><a href="main.php"><span class="glyphicon glyphicon-dashboard"></span>Dashboard</a></li>
54         <li><a href="update_gallery.php"><span class="glyphicon glyphicon-camera"></span>Update Gallery</a></li>
55         <li><a href="update_post.php"><span class="glyphicon glyphicon-file"></span>Update Post</a></li>
56         <li><a href="update_population.php"><span class="glyphicon glyphicon-camera"></span>Update Population</a></li>
57         <li><a href="update_staff.php"><span class="glyphicon glyphicon-user"></span>Update Staff</a></li>
58       </ul>
59     </div>
60     <div class="col-md-9">
61       <div class="panel panel-danger">
62         <div class="panel-heading">
63           <h2>Update Population</h2>
64         </div>
65         <div class="panel-body">
66           <form method="post" action="">
67             <div class="form-group row">
68               <label class="control-label col-md-4">Head of Family:</label>
69               <input type="text" name="hof" class="form-control">
70             </div>
71           ... ...
72         </div>
73       </div>
74     </div>
75   </div>
76 </div>
```

```
sunkoshi > update_population.php
73   <div class="form-group row">
74     <label class="control-label col-md-4">Number of member:</label>
75     <input type="text" name="nom" class="form-control">
76   </div>
77
78   <div class="form-group row">
79     <label class="control-label col-md-4">Occupation:</label>
80     <input type="text" name="occup" class="form-control">
81   </div>
82
83   <div class="form-group row">
84     <label class="control-label col-md-4">Male:</label>
85     <input type="text" name="male" class="form-control">
86   </div>
87
88   <div class="form-group row">
89     <label class="control-label col-md-4">Female:</label>
90     <input type="text" name="female" class="form-control">
91   </div>
92
93   <div class="form-group row">
94     <label class="control-label col-md-4">Others:</label>
95     <input type="text" name="others" class="form-control">
96   </div>
97
98   <div class="form-group row">
99     <label class="control-label col-md-4">Religion:</label>
100    <input type="text" name="relig" class="form-control">
101  </div>
102
103  <div class="form-group row">
104    <label class="control-label col-md-4">Cast:</label>
105    <input type="text" name="cast" class="form-control">
106  </div>
107  <div class="form-group">
108    <button class="btn btn-success" name="submit">Add Record</button>
```

```
sunkoshi > update_population.php
109 |           <button class="btn btn-danger" name="cancel">Cancel</button>
110 |       </div>
111 |   </form>
112 <?php
113 $con=mysqli_connect("localhost","root","","sunkoshi");
114 if(mysqli_connect_errno())
115 {
116 echo "Failed to connect database". mysqli_connect_error();
117 }
118
119     if(isset($_POST['submit']))
120     {
121
122         $a=$_POST['hof'];
123         $b=$_POST['nom'];
124         $c=$_POST['occup'];
125         $d=$_POST['male'];
126         $e=$_POST['female'];
127         $f=$_POST['others'];
128         $g=$_POST['relig'];
129         $h=$_POST['cast'];
130
131         if($a=='' || $b=='' || $c=='' || $d=='' || $e=='' || $f=='' || $g=='' || $h=='')
132         {
133             echo "<script>window.alert('Some fields are empty')</script>";
134         }
135         else
136         {
137             $query="insert into population(head_of_family,no_of_member,occupation,male,female,others,religion,cast)
values('$a','$b','$c','$d','$e','$f','$g','$h')";
138             if(mysqli_query($con,$query))
139             {
140                 echo "<script>window.alert('Population info added successfully')</script>";
141             }
142         }
143     }
144 }
```

```
sunkoshi > update_population.php
145 |           echo "<script>window.alert('Not successful')</script>";
146 |
147 |
148 }
149 mysqli_close($con);
150
151     ?>
152     </div>
153     </div>
154
155     </div>
156
157     </div>
158 </div>
159 </div>
160
161 </body>
162 </html>
163 <?php
164 }
165 ?>
166
167
```

Update staffs page:

This page has a top-level navbar with a logo and fewer menu options. There are two containers in this set. The first container shows a list of options that, when clicked, will take you to a related page. The second container shows a form that can be filled out to add a population record.

Update staffs page code:

```
sunkoshi > update_staff.php
1  <?php
2  session_start();
3  if(!isset($_SESSION['username']))
4  {
5  | header("location: login.php");
6  }
7  else
8  {
9  ?>
10 <!DOCTYPE html>
11 <html>
12 <head>
13 <title>Welcome to Sunkoshi Rural Municipality | About SRM | Staffs | News and Notices | Articles | Contact us </title>
14 <meta charset="utf-8">
15 <meta name="copyright" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
16 <meta name="keywords" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
17 <meta name="description" content="Introduction of SRM | Staffs | News and Notices | Articles | Contact information">
18 <meta name="viewport" content="width=device-width, initial-scale=1">
19 <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
20 | <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
21 | <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
22 <link rel="stylesheet" type="text/css" href="css/mystyle.css">
23 <link rel="favicon icon" href="images/favicon.png">
24 </head>
25 <body>
26 <!-- navbar start -->
27 <nav class="navbar navbar-inverse">
28 | <div class="container-fluid">
29 | | <div class="navbar-header">
30 | | | <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#myNavbar">
31 | | | <span class="icon-bar"></span>
32 | | | <span class="icon-bar"></span>
33 | | | <span class="icon-bar"></span>
34 | | </button>
35 | | <a href="#" class="navbar-brand">
36 | | | <div class="hidden-lg hidden-md"> SRM</div>
37 | | | <div class="brand-box hidden-sm hidden-xs"> Sunkoshi Rural Municipality</div>
```

```

sunkoshi > update_staff.php
38 |     </a>
39 |   </div>
40 |   <div class="collapse navbar-collapse" id="myNavbar">
41 |     <ul class="nav navbar-nav navbar-right">
42 |       <li><a href="index.php" class="active">Home</a></li>
43 |       <li><a href="logout.php"><?php echo $_SESSION['username']; ?> Log Out</a></li>
44 |     </ul>
45 |   </div>
46 | </div>
47 </nav>
48 <!-- navbar end -->
49 <div class="container">
50   <div class="row">
51     <div class="col-md-3">
52       <ul class="navbar" style="background-color: gray; line-height: 50px;">
53         <li><a href="main.php"><span class="glyphicon glyphicon-dashboard"></span>Dashboard</a></li>
54         <li><a href="update_gallery.php"><span class="glyphicon glyphicon-camera"></span>Update Gallery</a></li>
55         <li><a href="update_post.php"><span class="glyphicon glyphicon-file"></span>Update Post</a></li>
56         <li><a href="update_population.php"><span class="glyphicon glyphicon-camera"></span>Update Population</a></li>
57         <li><a href="update_staff.php"><span class="glyphicon glyphicon-user"></span>Update Staff</a></li>
58       </ul>
59     </div>
60     <div class="col-md-9">
61       <div class="panel panel-danger">
62         <div class="panel-heading">
63           <h2>Update Staff Information</h2>
64         </div>
65         <div class="panel-body">
66           <form method="post" action="">
67             <div class="form-group row">
68               <label class="control-label col-md-4">First Name:</label>
69               <div class="col-md-8">
70                 <input type="text" name="fname" placeholder="First Name" class="form-control">
71               </div>
72             </div>
73           </form>
74         </div>

```

```

sunkoshi > update_staff.php
75
76
77       <div class="form-group row">
78         <label class="control-label col-md-4">Last Name:</label>
79         <div class="col-md-8">
80           <input type="text" name="lname" placeholder="Last Name" class="form-control">
81         </div>
82
83       <div class="form-group row">
84         <label class="control-label col-md-4">Gender:</label>
85         <div class="col-md-8">
86           <select name="gender" class="form-control">
87             <option value="Male">Male</option>
88             <option value="Female">Female</option>
89             <option value="Others">Others</option>
90           </select>
91         </div>
92       </div>
93
94       <div class="form-group row">
95         <label class="control-label col-md-4">Date of Birth:</label>
96         <div class="col-md-8">
97           <input type="date" name="dob" placeholder="Date of Birth" class="form-control">
98         </div>
99       </div>
100
101      <div class="form-group row">
102        <label class="control-label col-md-4">Address:</label>
103        <div class="col-md-8">
104          <input type="text" name="address" placeholder="Address" class="form-control">
105        </div>
106      </div>
107
108      <div class="form-group row">
109        <label class="control-label col-md-4">Phone:</label>
110        <div class="col-md-8">
111          <input type="text" name="phone" placeholder="+977..." class="form-control">

```

```
sunkoshi > update_staff.php
112     |     </div>
113     |   </div>
114
115     <div class="form-group row">
116       |   <label class="control-label col-md-4">E-Mail:</label>
117       |   <div class="col-md-8">
118         |     <input type="email" name="email" placeholder="E-Mail" class="form-control">
119       |   </div>
120     </div>
121
122     <div class="form-group row">
123       |   <label class="control-label col-md-4">Post:</label>
124       |   <div class="col-md-8">
125         |     <input type="text" name="post" placeholder="staff" class="form-control">
126       |   </div>
127     </div>
128
129     <div class="form-group">
130       |   <button class="btn btn-success" name="submit">Add Staff Record</button>
131       |   <button class="btn btn-danger" name="cancel">Cancel</button>
132     </div>
133   </form>
134 </?php
135 $con=mysqli_connect("localhost","root","","sunkoshi");
136 if(mysqli_connect_errno())
137 {
138   echo "Failed to connect database". mysqli_connect_error();
139 }
140 if(isset($_POST['submit']))
141 {
142   $a=$_POST['fname'];
143   $b=$_POST['lname'];
144   $c=$_POST['gender'];
145   $d=$_POST['dob'];
146   $e=$_POST['address'];
147   $f=$_POST['phone'];
148   $g=$_POST['email'];
```

```
sunkoshi > update_staff.php
149 $h=$_POST['post'];
150
151 if($a=="" || $b=="" || $e=="" || $f=="" || $g=="" || $h=="")
152 {
153   echo "<script>window.alert('Some fields are empty')</script>";
154 }
155 else
156 {
157   $query1="insert into staffs (first_name,last_name,gender,dob,address, phone,email,post)values('$a','$b','$c','$d','$e','$f','$g','$h')";
158   if(mysqli_query($con,$query1))
159   {
160     echo "<script>window.alert('Satts info added successfully')</script>";
161   }
162   else
163   {
164     echo "<script>window.alert('User not created')</script>";
165   }
166 }
167
168 mysqli_close($con);
169 ?>
170   |   </div>
171   | </div>
172   | </div>
173   | </div>
174   | </div>
175   | </div>
176   | </div>
177 </div>
178 </body>
179 </html>
180 </?php
181 }
182 ?
183 ?>
184
185
```

Wire frame

A wireframe is a skeletal outline of a webpage or app in two dimensions. Wireframes show the page's structure, layout, information architecture, user flow, functionality, and intended behaviors in detail. Because a wireframe usually represents a product's initial concept, it's important to keep styling, color, and graphics to a minimum.

In any screen design process, wireframing is a crucial step. It primarily allows you to define your design's information hierarchy, making it easier for you to plan the layout based on how you want your user to process the data. ("What Exactly Is Wireframing? A Comprehensive Guide", 2021)

Purpose of wireframe

Wireframes serve three key purposes:

- **Wireframes keep the focus on user**

Wireframes keep the user in mind. Conducting user testing during the early stages of wireframing allows the designer to receive candid feedback and identify key pain points that aid in the development of the product concept. Designers can use wireframing to get a sense of how users will interact with the interface.

- **Wireframes describe and define features of a website**

Specific features should be wireframed to clearly communicate how they'll work and what purpose they'll serve to your clients. All stakeholders can use wireframing to determine how much space each feature will require, connect the site's information architecture to its visual design, and clarify the page's functionality.

- **Wireframes are quick and cheap to create**

They're extremely inexpensive and simple to make. In fact, if you have a pen and paper handy, you can quickly sketch out a wireframe for free. With so many tools at your disposal, you can create a digital wireframe in minutes.

("What Exactly Is Wireframing? A Comprehensive Guide", 2021)

Explanation of wireframe of SRM project

The website logo and menu items are inside the navbar on the Sunkoshi Rural Municipality website, which is located at the top of the page. In the navbar, there is a dropdown menu for logging in and signing up (more). The image slide is located beneath the navigation bar. After the slide, there's a welcome note with a button that, when clicked, takes you to about.php. There are containers in the middle that are connected to the database and display short database information, as well as a search box that leads to Google search.

The footer is found at the bottom of the page. There are three containers in the footer. The first container is connected to the database and displays short database information, while the other two containers display data provided by code.

Create a suitable Test Plan identifying key performance area and use it to review the functionality and performance of your website.

Testing: Testing is the process of evaluating a system or its components with the intent of finding whether it satisfies the specified requirements or not. It helps in finding what is remaining and loopholes as well. Before the implementing the new system into operations, a test run of the system is done for removing all the bugs, if any. It is an important phase of a successful system. After coding the whole programs of the system, a test plan should be developed and run on a given set of test data. The output of the test run should match the expected results. Sometimes, system testing is considered as a part of implementation process. Using the test data following test run are carried out in Sunkoshi Rural Municipality:

Some of the testing's done are given below:

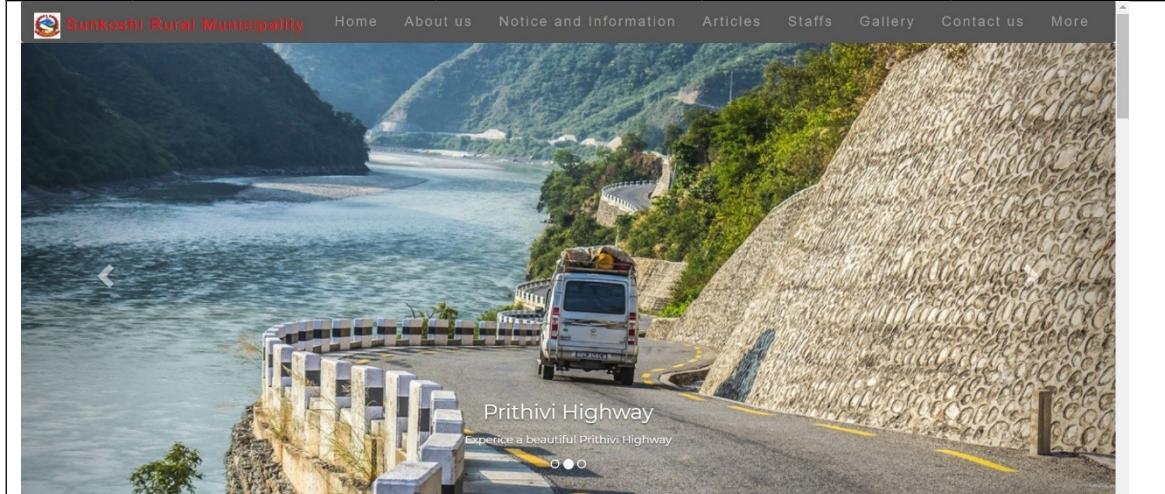
Unit testing – Unit Testing is the level of software testing where individual software units / components are evaluated. The aim is to validate that each unit of the program performs as intended. The unit is the smallest testable component of any kind of software. Usually it has one or a few inputs and usually a single output. some of the advantage of unit testing are given below:

- Save time and money.
- In early stage the bug can fix.
- Easier understanding of code

| Test no. | Test Description | Intended Result | Actual Result | Remarks |
|----------|--------------------|---|----------------------------------|-----------------|
| 1 | Testing Navigation | Home page should open all the menu items when clicked | All navigation menus are working | Test successful |



| Test no. | Test Description | Intended Result | Actual Result | Remarks |
|----------|------------------|--|---------------------------------|-----------------|
| 2 | Testing Slider | The image should change automatically. | The image changes automatically | Test successful |



| Test no. | Test Description | Intended Result | Actual Result | Remarks |
|----------|----------------------------------|---|--|-----------------|
| 3 | Validation testing in login form | Login can only be unsuccessful if invalid username and password are entered | Login unsuccessful due to invalid username and password. | Test successful |



| Test no. | Test Description | Intended Result | Actual Result | Remarks |
|----------|----------------------------------|---|--------------------------------------|-----------------|
| 4 | Validation testing in login form | Place holder information should be visible. | Place holder information is visible. | Test successful |

The screenshot shows a login page titled "Login to Administrator". It has two input fields: "Username:" and "Password:". Below each field is an error message: "Username cannot be empty" and "Password cannot be empty" respectively. There are "Log in" and "Cancel" buttons at the bottom.

| Test no. | Test Description | Intended Result | Actual Result | Remarks |
|----------|-----------------------|--|---|-----------------|
| 5 | Submit button testing | Users will be able to be to insert data into database. | Users successfully inserted data into database. | Test successful |

The screenshot shows the phpMyAdmin interface for the 'post' table in the 'sunkoshi' database. The table has columns: post_id, title, content, photo, and date. The data is as follows:

| post_id | title | content | photo | date |
|---------|---|--|-------------------------------|------------|
| 1 | Dissolved Ministry of Federal Affairs and Local Dev. | Ministry of Federal Affairs and General Administra... | notice1.jpg | 2020-05-01 |
| 2 | Announced the Village development committee in sun... | A Village Development Committee (VDC) (Nepali: गाँ... | PHOTO-2019-10-19-18-12-03.jpg | 2020-05-02 |
| 3 | One of the seven provinces of Nepal established by... | Bagmati Pradesh (Nepali: चामारी प्रेस्ता)(1)[2] is ... | PHOTO-2019-10-19-18-12-03.jpg | 2020-05-02 |
| 4 | Sunkoshi Rural Municipality have a android applica... | You can download and use Sunkoshi Rural Municipali... | PHOTO-2019-10-19-18-12-03.jpg | 2020-05-02 |

Integrated Testing

This is the level of software testing where individual units are combined and evaluated as a group. The aim of this level of testing is to detect faults in the relationship between

integrated units. Test drivers and test stubs are used to help with integration testing. We can apply the Integration testing technique concepts for testing these types of scenarios.

| Test no. | Test Description | Intended Result | Actual Result | Remarks |
|----------|-----------------------------------|--|--|--|
| 1 | Image and slider function testing | Image and slide should work without slow loading | Image are sliding without slow loading | Site is performing well and image also slides as expected. |



| Test no. | Test Description | Intended Result | Actual Result | Remarks |
|----------|-----------------------------|---|--|-----------------|
| 2 | Testing efficiency of pages | Every pages should work properly, no issues in JavaScript, CSS, Web Application should navigate quickly for another pages | Every page is working properly, no issues with JavaScript, CSS, Web Application is navigating properly for another pages | Test Successful |

Sunkoshi Rural Municipality

Home About us Notice and Information Articles Staffs Gallery Contact us More

About us

About SRM



Sunkoshi Rural Municipality is a rural municipality in Sindhuli district of Bagmati Pradesh in Nepal. The Rural municipality is divided into 7 wards. According to 2011 Nepal census, the total population of the municipality is 21,473 with 4,557 households. The total area of the municipality is 158.68 square kilometres (61.27 sq mi). The headquarter of the municipality is at Jhangajholi Ratmata.

The rural municipality was established on March 10, 2017 when Ministry of Federal Affairs and Local Development dissolved the existing village development committees and announced the establishment of this new local body.

Kusheshwar Dumja, Jhangajholi Ratmata, Purano Jhangajholi, Sitalpati and Majhuwa VDCs were merged to form the new rural municipality.

Our Vision

- to organize village people structurally at a local level
- to create a partnership between the community and the public sector for element of control and responsibility in development

Our Mission

- to ensure proper use and distribution of state funds
- to ensure a greater interaction between government officials, NGOs and agencies

Search

Search

News Feeds

Notice:

Sunkoshi Rural Municipality have a android application to download and use

One of the seven provinces of Nepal established by the constitution of Nepal-Bagmati

Announced the Village development committee in sunkoshi

Dissolved Ministry of Federal Affairs and Local Development

IT Manager:

Bipasha Ghimire
Bharatpur-10, Chitwan
Phone: 9865147345
Email: bipasha@smu.edu.np
URL: www.bipashaghimire.com.np

Contact us

Sunkoshi Rural Municipality
Solukhumbu, Nepal
Phone: +977 05 5243221
Email: info@sunkoshimun.com
URL: www.sunkoshimun.com

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| Test no. | Test Description | Intended Result | Actual Result | Remarks |
|----------|--|---|--|-----------------|
| 3. | Testing post details insert, update and delete | Add post, Update and Delete post properly | Admin is able to add, edit and delete the post | Test Successful |

| Post ID | Title | Content | Image | Date | Edit | Delete |
|---------|--|--|-------------------------------|------------|----------------------|------------------------|
| 1 | Dissolved Ministry of Federal Affairs and Local Development | Ministry of Federal Affairs and General Administration (Nepali: ?????? ?????? ??? ?????? ??????? ?????????), popularly MoFAGA, is the ministry of Nepal accredited with the role of coordination, cooperation, facilitation and monitoring and evaluation of activities undertaken by local governments; regulation and management of the civil service in the country. | notice1.jpg | 2020-05-01 | Edit | Delete |
| 2 | Announced the Village development committee in sunkoshi | A Village Development Committee (VDC) (Nepali: ?????? ?????? g?un blik? samsiti) in Nepal was the lower administrative part of its Ministry of Federal Affairs and Local Development. Each district had several VDCs, similar to municipalities but with greater public-government interaction and administration. There were 3,157 village development committees in Nepal. | PHOTO-2019-10-19-18-12-03.jpg | 2020-05-02 | Edit | Delete |
| 3 | One of the seven provinces of Nepal established by the constitution of Nepal-Bagmati | Bagmati Pradesh (Nepali: ?????? ??????) [1][2] is one of the seven provinces of Nepal established by the constitution of Nepal as of 20 September 2015.[3] With Hetauda as its provincial headquarter,[4] the province is the home to the country's capital Kathmandu, is mostly hilly and mountainous, and hosts mountain peaks including Gaurishankar, Langtang, Jugai, and Ganesh. The province covers an area of 20,300 km ² - about 14% of the country's total area, and has an altitude low enough to support deciduous, coniferous, and alpine forests and woodlands. Temperature varies with altitude. Rainfall takes place mainly during the summer. | PHOTO-2019-10-19-18-12-03.jpg | 2020-05-02 | Edit | Delete |
| 4 | Sunkoshi Rural Municipality have a android application to download and use | You can download and use Sunkoshi Rural Municipality's android application from play store to download and use. You can easily get notices from app, also it makes transparent to every information towards peoples of sunkoshi municipality. This is recent project of sunkoshi rural municipality to develop community standard. | PHOTO-2019-10-19-18-12-03.jpg | 2020-05-02 | Edit | Delete |

Stress Testing:

Stress Testing is a form of software testing that verifies the stability and reliability of the program. In particular, this test measures the system on its robustness and error handling capabilities under extremely heavy load conditions.

Stress Testing is done to ensure that the machine does not fail under pressure conditions. It even checks beyond the normal operating point and measures how the system operates under these extreme conditions. Stress Testing is done to make sure that the system would not crash under crunch situations

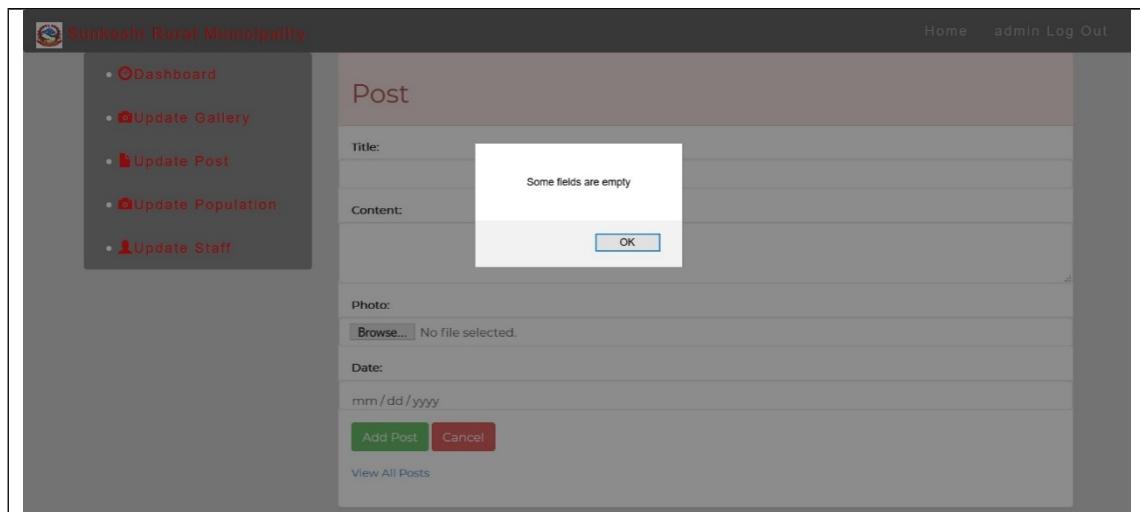
| Test no. | Test Description | Intended Result | Actual Result | Remarks |
|----------|---|----------------------------------|--|-----------------|
| 1 | Login module of admin panel was tested without providing any values | Invalid message is being display | Invalid message is being display when username and password is empty | Test Successful |

The screenshot shows a login page titled "Login to Administrator". It has fields for "Username" and "Password". A modal dialog box is displayed with the message "Some fields are empty". Below the modal are "Log In" and "Cancel" buttons, and an "OK" button on the dialog itself.

| Test no. | Test Description | Intended Result | Actual Result | Remarks |
|----------|--|----------------------------------|--|-----------------|
| 2 | Sign up form was tested without providing any values | Invalid message is being display | Invalid message is being display when values are not provided. | Test Successful |

The screenshot shows a sign-up page titled "Sign up to Sunkoshi Administrator". It has fields for "First Name", "Last Name", "Gender", "Date of Birth" (with a placeholder "mm / dd / yyyy"), "Phone" (with a placeholder "+977..."), "E-Mail", "Username", and "Password". A modal dialog box is displayed with the message "Some fields are empty". Below the modal are "Create Account" and "Cancel" buttons, and an "OK" button on the dialog itself.

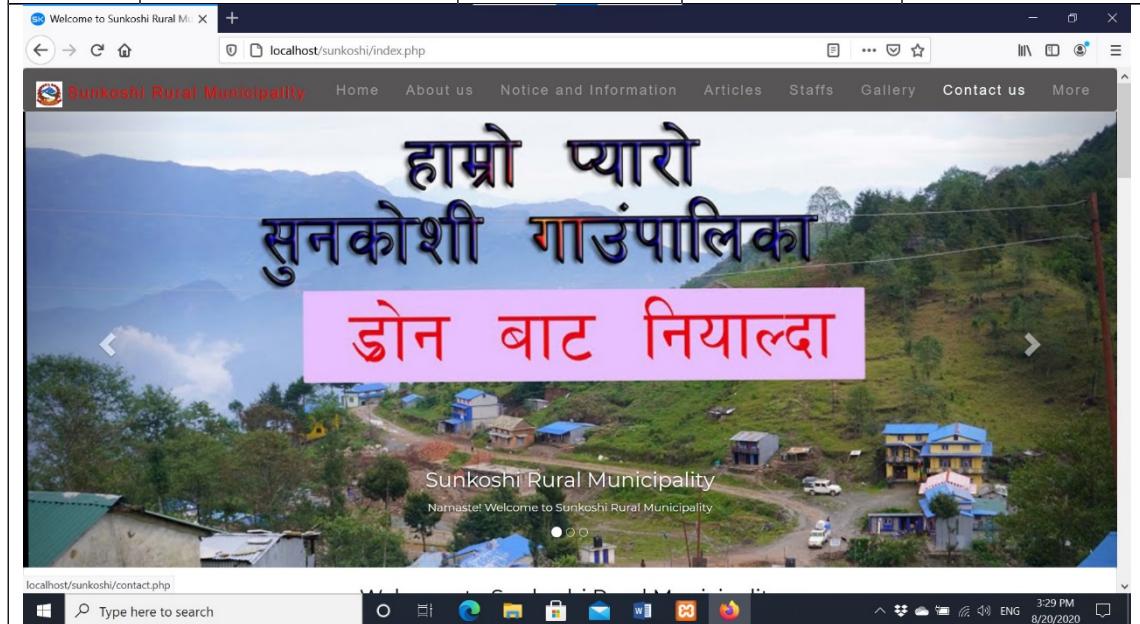
| Test no. | Test Description | Intended Result | Actual Result | Remarks |
|----------|--|----------------------------------|--|-----------------|
| 3 | Add post module from admin panel was tested without providing any values | Invalid message is being display | Invalid message is being display when values are not provided. | Test Successful |



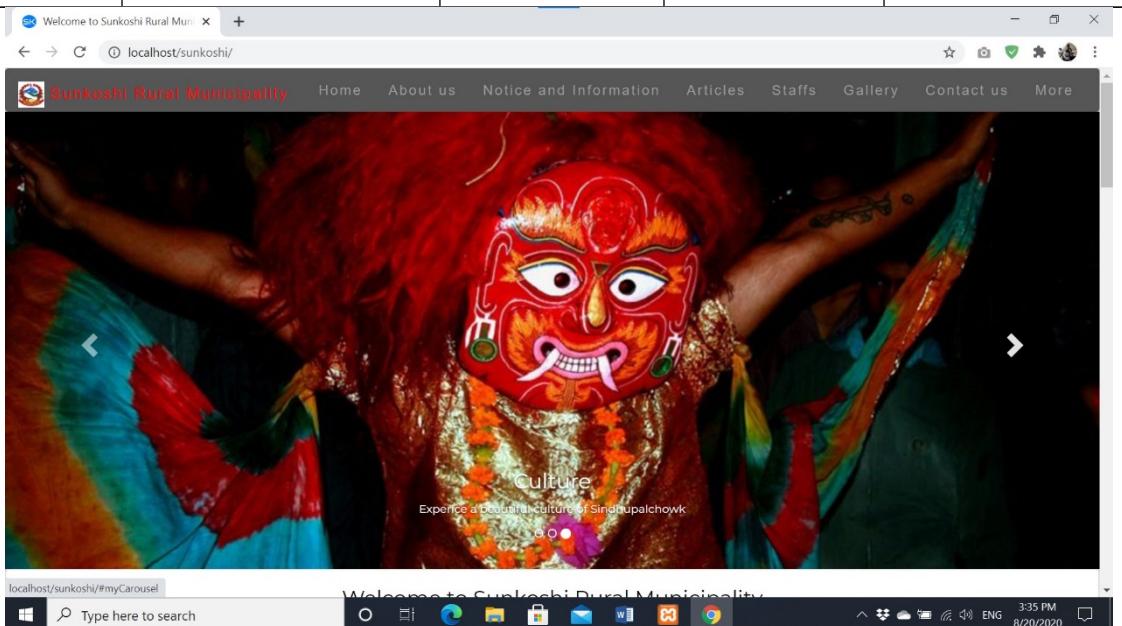
4. Compatibility Testing

Compatibility Testing is a type of Software testing to check whether our software is capable of running on different hardware, operating systems, applications, network environments or Mobile devices. Compatibility Testing is a type of Non-functional testing.

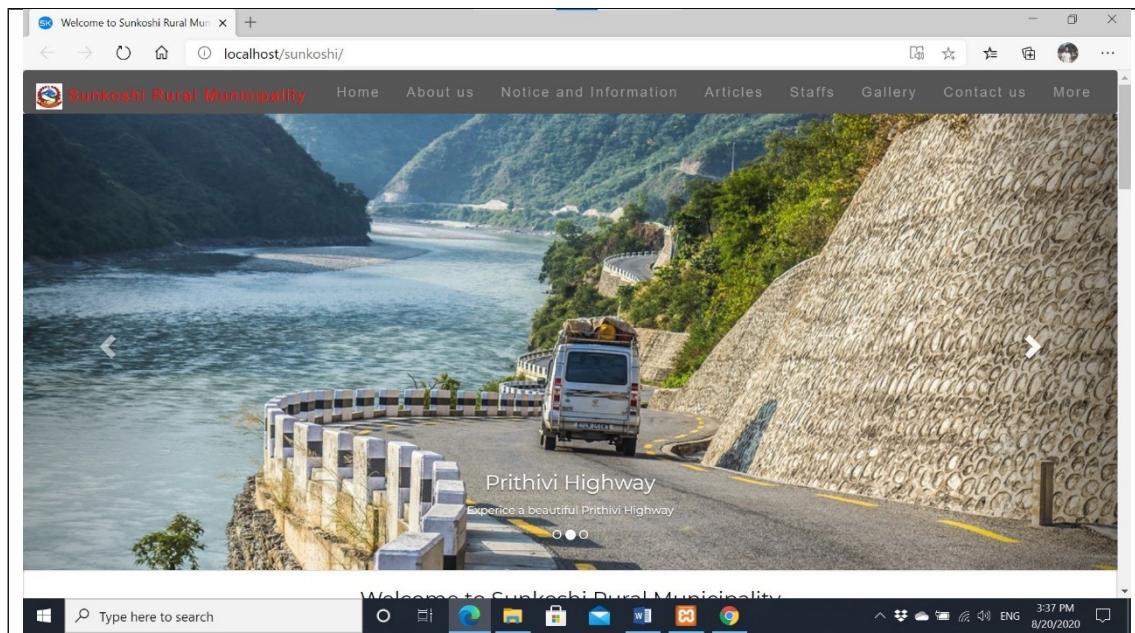
| Test no. | Test Description | Intended Result | Actual Result | Remarks |
|----------|----------------------------------|------------------------------|-----------------------|-----------------|
| 1 | Browser compatibility in Firefox | Website should function well | Website function well | Test Successful |



| Test no. | Test Description | Intended Result | Actual Result | Remarks |
|----------|--|------------------------------|-----------------------|-----------------|
| 2 | Browser compatibility in Google Chrome | Website should function well | Website function well | Test Successful |



| Test no. | Test Description | Intended Result | Actual Result | Remarks |
|----------|---|------------------------------|-----------------------|-----------------|
| 3 | Browser compatibility in Microsoft Edge | Website should function well | Website function well | Test Successful |

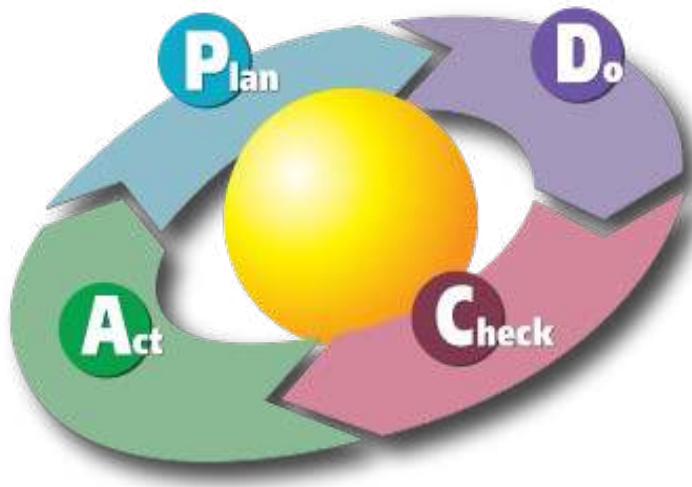


Evaluate the Quality Assurance (QA) process and review how it was implemented during your design and development stages.

Quality assurance (QA):

Quality assurance is the process which is used to determine whether a product meets the desired quality or not. The main thing for implementing QA is to meet the requirement and make some quality full products and services. The QA helps the customers to believe in the product as it is of quality and reliable as well. the competition will be good and can lead the market. ("What Is Quality Assurance?", 2021)

Process of Quality Assurance: it follows PDCA method and it is mentioned below with figure:



- Plan: company should plan and establish the process related aims and determine the processes that are required to deliver a Quality product.
- Do: we need to do the things that make quality better.
- Check: Monitoring of processes, modify the processes, and check whether it meets the predetermined objectives.
- Act: Implement actions that are necessary to achieve improvements in the processes

To ensure that the product is design and implemented with correct procedure the organization must use quality assurance. ("PDCA Cycle - What is the Plan-Do-Check-Act Cycle? | ASQ", 2021)

I have managed the quality of Sunkoshi rural municipality website, from the initial phase. Several types of testing are done in the overhead task to see if the expected result matches the actual output. These tests include integrate testing, unit testing, stress testing, and compatibility testing. With the help of a senior web developer, we planned and discussed the requirements. I come up with new ideas for the website's design and features. All of the tests were completed successfully, and no errors were discovered during the testing phase. The website should be suitable because it meets all of the requirements. After developing the website, I tossed it into the ring and put it up for review to see how visitors reacted.

Critically evaluate the results of your test plan and include a review of the overall success of your multipage website; use this evaluation to explain any areas of success and provide justified recommendations for areas that require improvement

Recommendation and Improvement

Consider: Interface Design Coding Architecture Database Design Security Concerns.

| | |
|---|-------------------------------|
| Independent Feedback | |
| Project Title: Sunkoshi Rural Municipality | |
| Feedback Given By: HemantaPoudel | Signature: Date:2020/08/21 |

Project Description (in brief):

I created a web application with proper interlinks between pages, images, validations, and other features based on the scenario's requirements. Home, about us, notice & information, gallery, article, staffs, contact, login, and signup pages are among the nine required pages. I tried a lot of different things to make the Sunkoshi Rural Municipality's web application more appealing and eye-catching. I've used a variety of images and slides to make it more appealing. The words in the web application are easy to read because the color, font, and size choices are all clear. The recently designed site "sunkoshi" project is well-designed and opens according to the needs of the user. JavaScript, HTML, CSS, and PHP were used to create the application. The web application includes features such as sliding pictures, links between internal and external pages, and form validation. The newly designed application will assist clients or users in obtaining precise information about Sunkoshi Rural Municipality, will be easy to use, and will, undoubtedly, attract more users. Such recently implanted systems will enable users to provide precise and accurate data, resulting in more users visiting the web application.

HTML and java script are used as client side scripting languages in web applications, while PHP is used as a server side scripting language. CSS is a style sheet that is used to provide proper designs for web pages, forms, and headers, among other things. In the sunkoshi web application, there are two types of users. They are admin and the user. If the user have login then they can view home page, articles details, staffs detail, gallery etc. And also they can send feedback message to admin. If an administrator login is available, he can gain access to the entire system and make changes. Admins can, for example, add a gallery, login or signup as an admin, edit and delete user, admin, and about details data, and view feedback messages.

| | |
|--|--|
| Important Features of the Project | <ul style="list-style-type: none"> The Sunkoshi Rural Municipality's web application is well-designed with CSS, HTML, Java Script, and PHP. The web application includes sliders that display images of Sunkoshi Rural Municipality activities, making it more appealing. The web application includes features such as sliding pictures, links between internal and external pages, and form validation. There is different authentication for different users i.e. Admin can view and edit each and every information of the application and the user can only view the information and send feedback. This helps to make the web application more secured as there will be less chance of misuse to data. |
|--|--|

| Checklists | YES | NO | Comment |
|---|------------|-----------|----------------|
| Have identified objects and data and file structures required to design the system? | ✓ | | |
| Have system requirements been defined and are they clear? | ✓ | | |
| Have Front End and Back End of the system has been designed? | ✓ | | |
| Does the system has been implemented in align with the proper design? | ✓ | | |
| Have been critically tested and reviewed the system or not? | ✓ | | |
| Does the system solve the problem of the client? | ✓ | | |
| Does the system fulfill the requirements of the clients? | ✓ | | |
| Have developed the onscreen help form to assists the user of the computer program? | ✓ | | |
| Note: Please add and edit the checklists questionnaire for your system yourself. | | | |

| | |
|--|--|
| Significance of the Project | <ul style="list-style-type: none"> The web application of Sunkoshi Rural Municipality is well designed by using CSS, HTML, Java Script and PHP. The web application contains sliders that contains the pictures of activities in Sunkoshi Rural Municipality which makes it look more attractive. It has various features such as sliding pictures, links between both internal and external pages and form validation are kept in the web application. There is different authentication for different users i.e. Admin can view and edit each and every information of the application and the user can only view the information and send feedback. This helps to make the web application more secured as there will be less chance of misuse to data. |
| Project Limitation | <ul style="list-style-type: none"> Despite the fact that the web application of Sunkoshi Rural Municipality is well designed with legitimate interlinks between the pages, pictures, validations and so on it needs numerous things, for example, proper designing, proper user friendly and accessibility. Since the application runs in web server there will be more chance of hacking of important data. The application does not contain the detailed information about Sunkoshi Rural Municipality. |
| Feedback Evaluation | |
| Feedback Evaluated By: YAMAN CHAPAGAIN | Signature: Date: 2020/08/27 |
| Evaluation of the System: | |

Interface Design:

The user interface of the Sunkoshi web application is created using all of the necessary tools, such as forms, tables, buttons, text boxes, labels, and other elements, as well as appropriate colors, fonts, background colors, and logos. The use of graphic design has aided the usability of the design. It has aided in the influence of user performance. All of the necessary components for easy use are present. Simple CSS buttons and CSS styles are designed to make it simple for users to obtain and provide information. They can send Sunkoshi Rural Municipality feedback messages.

Coding Architecture:

I used PHP, HTML, and Java script in the Sunkoshi project's coding architecture. The project's styles were created using CSS. To ensure that the design appeals to users and administrators, the project makes extensive use of coding. The links, pages and buttons are properly coded which is user friendly and forms are properly validated so which helps the users for getting exact information of Sunkoshi Rural Municipality. Because of the use of PHP as a coding language, the security of web applications is very high and more secure (server-side scripting language).

Database Design:

I used MySQL server management system, which is easily connected with PHP, for the database design of the Sunkoshi project. I created a separate table with appropriate data types and primary and foreign keys to store the information of each user and form. I've also created a relationship diagram to help me control data entry in the database. In the designed database, I discovered a limitation: each table's primary key id is never deleted, forcing new entries to continue with new ids. For example, if user id 3's information is deleted, new entries will have user id 4 instead of user id 3. This is the main thing that needs to be improved in my database. Similarly, Oracle or SQLite can be used instead of SQL Server because it is better in terms of transaction control (a collection of operations or tasks that should be treated as a single unit), language simplicity, data object organization, and so on. However, because both of these products are from Microsoft, Visual Studio is more familiar with SQL Server.

Security:

To access the information, the designed sunkoshi project has a user authentication system. Only authorized admins can access and edit the overall information in the designed system,

making it more secure. Again, I concur with Mr. Hemant Poudel on the use of data encryption and decryption. Regardless of the size of the organization, data is critical. Encryption and decryption technology will aid in data security. Only the administrator has access to the entire system, while regular users can only view the data and send feedback. Encryption and decryption technology will aid in data security. Encryption is the process of converting plain text data (plaintext) into something that appears random and meaningless, according to (Msdn.microsoft.com, 2017). (cipher text). The process of converting cipher text back to plaintext is known as decryption. Because encrypted data cannot be recovered, if a user forgets his or her password, he or she may be unable to access the system. The disadvantage of data encryption and decryption is this.

Recommendations for future consideration:

Interface Design:

Although the newly developed application is appropriate for the Sunkoshi Rural Municipality, there are a number of improvements that can be made. It includes a simple Photoshop design. However, by using the most recent version of Photoshop, the design can be made more appealing and user-friendly. Some pages have blurry images that can be clarified with various tools. It would be preferable if I had designed the interface using Photoshop slices.

Coding Architecture:

I have used PHP Language to code the sunkoshi project. For design, I used PHP's Object-Oriented paradigm. However, using PHP4 and PHP5 makes it more OOP friendly. They are primarily concerned with OOP. Session handling methods are only used to a limited extent; there are more options for dealing with sessions and cookies. Sublime Text has been used to manage web design and all of the PHP, HTML, CSS, Java Script, and J query, which are the most popular languages for designing web sites and managing all of the codes for programming the application. So, in order to improve my project, I should think about these flaws in the coding architecture and use a better coding language.

ASP.net is also a good platform for web application development. The working mechanism of ASP differs slightly from that of PHP. More security options are available in ASP, which appears to be superior to PHP. HTML tags are also used by ASP to design and manage the codes. ASP forms are simple to use and modify. The server can run the source code directly. Because it is a server-side language, it can be accessed from any location with an internet connection. Because it is a server-side technology, the codes and tags are executed before being sent to the browser. It is significantly faster than PHP.

Database Design:

SQL server was used to create the database. However, Oracle may be superior to SQL Server in terms of transaction control and language simplicity. In the designed database, I discovered a limitation: each table's primary key id is never deleted, forcing new entries to continue with new ids. For example, if user id 3's information is deleted, new entries will have user id 4 instead of user id 3. This is the main thing that needs to be improved in my

database. Similarly, instead of SQL server, Oracle or SQLite can be used.

Security:

The project's security level is also ineffective because it uses an authentication service to access the data. As a result, encryption and decryption techniques can be used to improve the project's security. Regardless of the size of the organization, data is critical. Encryption and decryption technology will aid in data security.

Conclusion

As a result, I was able to successfully evaluate independent feedback on a developed web application and make recommendations for improving the web application's performance in the future. In this task, I discussed the project, specifically the Sunkoshi rural development web application, its significance, benefits, and limitations. I have discussed the project's interface design, database design, and coding architecture, and made recommendations as needed.

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