



NSENGO Website

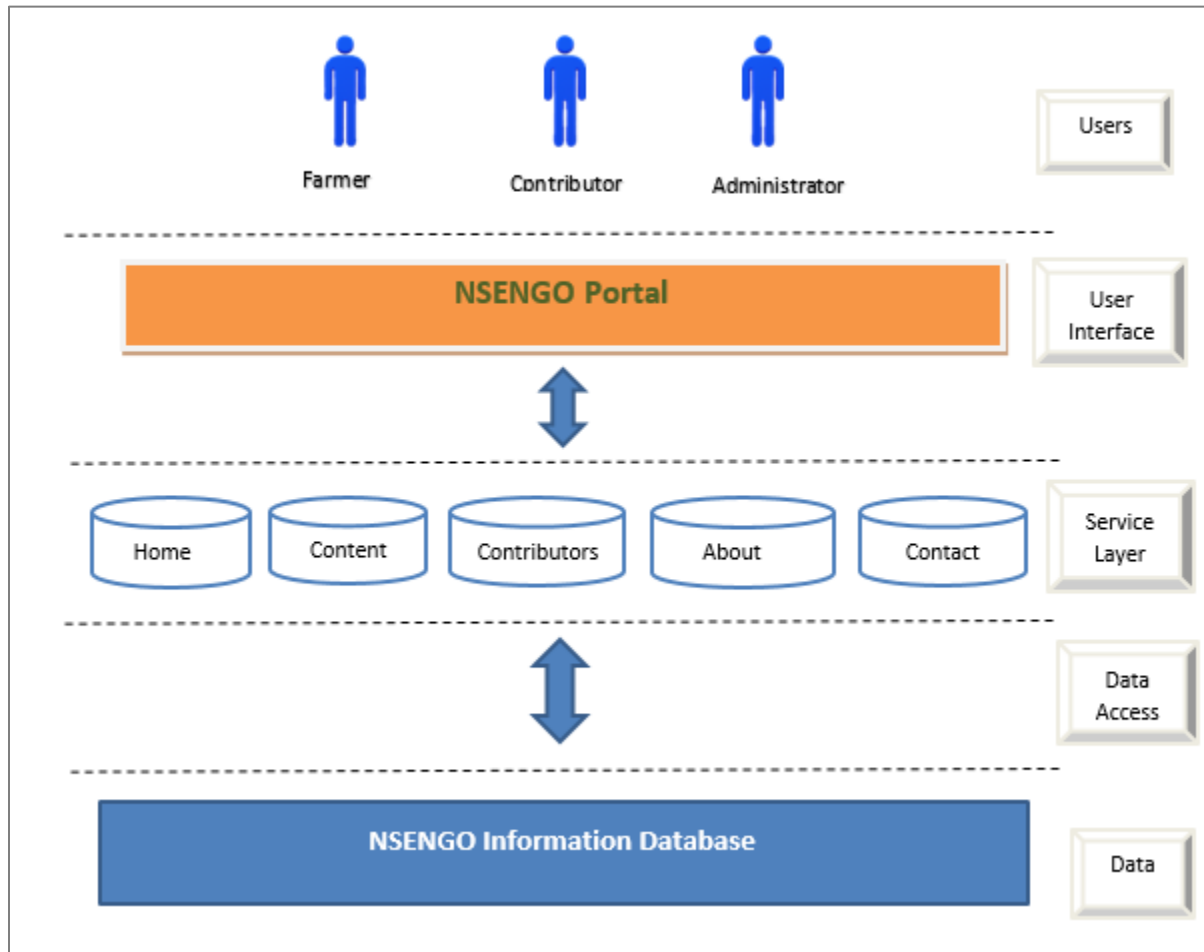
Architecture

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Website basic architecture



This architecture diagram provides basic understanding of the components and flow.

Users: This layer includes users who are going to access this website. It mainly includes 3 users – Farmer, contributor and administrator.

- **Farmer:** This is a main user for this website to whom the company is serving. It can include farmer or farmer organizations or international organizations.
- **Contributor:** This user includes partners and investors who all are going to contribute to the company's vision.
- **Administrator:** This user is required to provide maintenance to the website.

User Interface: This layer includes NSENGO portal through which users can access the website and represents the website.

Service layer: This layer provides all the services required for that website using defined sections. Each major section or topic has a link on the homepage to direct users to the information they seek. Each of

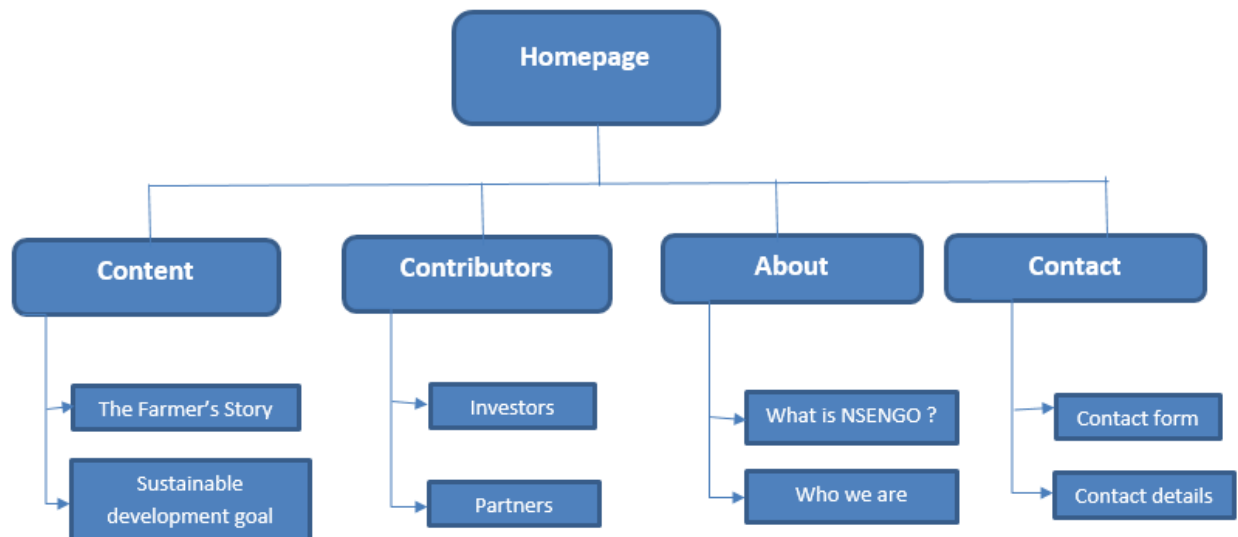
those pages has additional links to other pages. Site maps illustrate the connections and depth of the website..

Data access: This layer is to access the content of this website and provide it further to the service layer.

Data: This is actual content of the website including text, images or other media.

Site map of the website

The site map of website represents the arranged hierarchical format to help users to find the pages. Each major section has a link on the Homepage to direct users to the information they seek. Each of those pages has additional links to other pages. This site maps illustrate the connections and depth of the website.



Wireframing of the website pages

For every page, we include below points:

- Strategic goals: Defining purpose of the page and every section.
- Architectural elements: Which elements are suitable for the content and are going to appear on the page/section.
- Design elements: Providing a list of design elements that should appear on that page/section. For example, logo, event images, contact forms.
- Content: Describing the content for that page to fulfill its purpose. For example, main content area, headers.

Scope

The purpose of this website is to provide 'users' an online platform to

- Understand the business
- Get into contact

Users includes: farmers, farmer organizations and international organization.

Languages for the content : English and French.

Technologies

Considering current features and possible future scope of the website, below are the most suitable technologies:

- HTML (Hyper Text Markup Language): To create web pages to be displayed in a web browser.
- CSS (Cascading Style Sheets): To control and provide a style to a HTML webpage.
- Javascript: To provide interactive and well-structured webpages.
- Bootstrap framework: To build responsive and mobile friendly webpages.
- SSL certificates (Secure Socket Layer) : To provide security with respect to website access and communication encryption, it is necessary to install SSL certificates with HTTPS communication protocol.

Social media accounts

There will be different social media accounts (according to requirement) which will be linked on the Homepage. Example of the social media accounts: Twitter, Facebook.

Email accounts

For users of the website, to contact the company, it is necessary to setup email accounts

Testing

For tuning the performance, responsiveness, scalability and security of the website, we will perform testing including offline and online testing.