

Software Requirements Specification Document

Team - 13

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Brief problem statement

The client is presently utilising WordPress for hosting their website and wishes to migrate it to a headless CMS. A headless CMS is a backend content management system where the content layer is distinct from the presentation layer. We must utilise Strapi (a headless CMS) that uses Javascript and a separate database, business, and front-end layer to accomplish this. The client desires to move the whole application to Strapi, a node js-based platform, but having a basic version of the website on the new technology stack will also suffice. However, the company wants to limit the scope of the migration to the CMS level only and not extend it to the e-commerce level.

Users profile

Shop/Service Hosts

- They can put up catalogues of their products.
- . There are only a few shop types to choose from (e.g., bakery, kirana, etc.
- Each host will have a unique domain: chotu.com/phone-number.
- The final order will be placed over WhatsApp, where the price can be negotiated with the consumer.

Consumers

- Consumers can browse catalogues of shop hosts and select the items they are interested in.
- They can bargain the price of non – MRP products with the seller over WhatsApp and place the order.

Project Modules

Module 1: Scoping the Project

This module focuses on defining the project's scope and objectives, including defining the requirements and goals of the website, as well as identifying any constraints that may impact the project.

Module 2: Creating data schemas

This module is focused on designing the data structure of the website, including the design of the database tables, fields, and relationships between data.

Module 3: Integrating schemas and front-end

This module is focused on integrating the data schemas with the front end of the website, including the design of the user interface and the implementation of the database queries.

Module 4: Testing and Deployment

This module is focused on testing the website to ensure that it meets the requirements and goals defined in the scoping phase and deploying the website to a production environment.

Feature requirements (described using use cases)

Scoping the Project

1. Defining requirements and goals of the website
2. Identifying constraints that may impact the project

Feature Requirements

- Purpose of the website (R1)
 - chotu.com is a catalogue-like website aimed to connect and bridge the gap between nanopreneurs and consumers
- Target audience for the website (R1)
 - The target audience for the website is the nanopreneurs who want to expand their business through WhatsApp using chotu app.
- Goals of the website (R1)
 - eliminate 'middle-men' or any intermediary entity between consumers and nanopreneurs
 - bridging the gap between them

Creating data schemas

1. Design of database tables
2. Structure of fields and relationships between data

Feature Requirements

1. Design PostgreSQL relations to store information about the client's business and services (R1)
 - a. Relations should be designed to store information about products, services, and customers.
2. Design fields to store information about products and services (R1)
 - a. Fields should include product name, description, price, and image.
3. Design fields to store information about nanopreneurs (R1)
 - a. Fields should include name, email, and contact information.
4. Define relationships between data components (R1)

Integrating schemas and front-end

1. Design of the user interface
2. Implementation of database queries

Feature Requirements

1. Design a user-friendly interface to display information about the client's business and services (R1)
 - a. The interface should be designed to display product information, customer reviews, and contact information.
2. Implement database queries to retrieve information from the database and display it on the website (R1)
 - a. Queries should be designed to retrieve information about products, services, and contact information.
3. Implement search functionality to allow users to search for nanopreneurs, their products, and services (R2)
 - a. The search function should allow users to search based on keywords.

Testing and deployment

1. Testing of the website
2. Deployment of the website to a production environment

Feature Requirements

1. Test the website to ensure that it meets the requirements and goals defined in the scoping phase (R1)
 - a. Tests should include functional tests to ensure that the website is working correctly and performance and security tests.
2. Deploy the website to a production environment (R1)
 - a. The website should be deployed on an AWS environment.

Feature requirements (described using use cases)

No.	User Case Name	Description	Release
	Create Shop	A person can create shops on the website to increase his/her sales.	R1
	Search Product	A customer can search for the availability of a product on the shop	R1
	Fill Form and Order	A customer will fill the form and order the required products.	R1
	Add/Update/Delete	The captain can add the products which they are selling.	R2
	Add/Update/Delete Categories	The captain can add the categories of the product the shop sells.	R2
	Add/Update/Delete Product Tag	The captain can add the product tags of the product the shop sells.	R2
	Update/Delete Cart	The customer can update/delete the items from the cart according to their needs.	R2

Use Case Diagram

