E-commerce Website: Donut and Cookie Bakery

# Proposed team

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# Overview

We propose to develop an e-commerce website for a Donut and Cookie Bakery. This website will provide customers with a seamless online platform to browse and purchase a variety of freshly baked donuts and cookies. The website will be built using HTML, CSS, JavaScript, PHP, and MySQL, ensuring a user-friendly and interactive experience for customers. The primary goal of this project is to establish a strong online presence for the bakery, increase sales, and enhance the customer experience by offering a convenient online ordering system.

# Customer

Our target customers are residents and businesses in the vicinity of the bakery. They are individuals who appreciate high-quality, freshly baked goods and value the convenience of online ordering. The potential customers may vary in age and tech-savviness, so the website needs to cater to a broad range of user characteristics.

# Product

The project will deliver a fully functional e-commerce website for the Donut and Cookie Bakery. This website will enable customers to:

* Browse a wide selection of donuts and cookies.
* Place online orders with quantity selections.
* View the flavors.
* Fulfill their cart.
* Make a registration and login
* View bakery information

# Users

End users of our product are customers who visit the website to browse, order, and pay for bakery products. They expect a seamless, secure, and intuitive user experience when navigating the site and making online purchases.

# Management

We plan to organize our work using the Agile development methodology, specifically Scrum. This approach is suitable for our project because it allows for flexibility and frequent iterations, making it easier to adapt to changing customer requirements. Additionally, it fosters close collaboration between us.

# Communication

To facilitate project-related concerns, we will primarily do regular team meetings for project status updates and task assignments.

# Breakdown

The system can be broken down into several key components:

* Frontend Development: Creating the user interface using HTML, CSS, and JavaScript.
* Backend Development: Building the server and database functionality using PHP and MySQL.
* User Authentication: Implementing user registration.
* Product Catalog: Managing and displaying the bakery's product inventory.
* Order Processing: Handling customer orders

# Effort estimation

We estimate that the project will require approximately 800-1000 hours of work, depending on the complexity of features and the size of the team.

# Technological stack

Our technological stack will include HTML, CSS, JavaScript for the front end, PHP for the back end, and MySQL for the database.

# Reporting

For our project, we believe the following types of reporting are necessary:

* Presentation: Regular progress presentations
* Printable Documentation: Technical documentation, and project plans.
* Demo: A demonstration of the final product to showcase its features and functionality.

# Additional information

We will focus on creating an attractive and user-friendly design to enhance the customer experience and drive sales for the bakery. Regular testing and quality assurance will be integrated into the development process to deliver a reliable e-commerce platform.