

# **ONLINE BAKERY SHOP**

MINOR PROJECT SYNOPSIS

**BACHELOR OF TECHNOLOGY**

IT DEPARTMENT

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# **1 Introduction**

An online Bakery shop that allows users to check for various bakery products available at the online store and purchase online. The project consists of list of bakery products displayed in various categories. The user may browse through these items as per categories. If the user likes a product he may add it to his shopping cart. Once user wishes to checkout he must register on the site first. He can then login using same id password next time. Now he may pay through a credit card or cash on delivery. Once the user makes a successful transaction he gets a copy of the shopping receipt on his email id.

Here we use user friendly interface to make the entire frontend. We are using the Angular framework with typescript. The middle tier or code behind model is designed for fast processing. And SQL serves as a backend to store bakery products lists data. Thus, the online Bakery shopping project brings an entire bakery shop online and makes it easy for both buyer and seller. It is a Web-based application.

## **2 Objectives**

- Helps Bakery shops to automate bakery selling on-line.
- Helps Bakery shops to take cc payments.
- Provides email confirmation on payment success.
- Helps in keeping the track of regular customers.

### **3 Feasibility Study**

In the not-to-distant past, the big push for retail bakeries from a marketing and sales standpoint was to create a website. Now, it is becoming increasingly important for retail bakeries to offer an online ordering option. Most importantly, an online bakery business provides convenience along with quality baked goods to customers. Customers now expect retail businesses to be available 24/7 in multiple formats. These businesses need to tap into the so-called “omnichannel” that expands from in-store to online to keep their customers engaged.

It’s crucial that you ditch the traditional spreadsheets and get yourself a dedicated ordering system that will enable you to manage all your orders from a single place while allowing your customers to quickly order cakes and other baked goods online, whenever and wherever they want. Using an online ordering system helps to take orders efficiently - going digital comes with a full suite of advantages that are perfect for growing bakeries.

An online ordering platform eliminates the data entry as customers are placing orders themselves, selecting from a menu of product options. Since all orders go straight to the system, you no longer have to manually enter any data into an excel sheet. When you reduce your manual data entry, you also reduce your ordering and delivery errors.

## 4 Methodology

The following modules will be linked together using the Angular framework for the complete working website.

- **User Registration:** User can register on the system and get his online account on site.
- **User Login:** User can login to system and check various bakery items.
- **Product Categories:** The bakery products are arranged and can be viewed in categories.
- **Add to cart:** Users can add new items to cart.
- **Custom Cake:** User may order a custom cake as per his needed flavor, size, and shape on site.
- **Dummy Credit Card Payment:** After total bill is calculated user can pay via credit card online.
- **Email confirmation:** On successful payment a thank you message is sent to user.

## 5 Facilities required for proposed work

- **Front End:** Angular
- **Back End:** Database of XAMMP
- **Hardware Requirements:**
  - Processor: Intel Dual Core or above
  - Hard Disk: 8 GB RAM
  - OS: Windows 10
- **Software Requirements:**
  - NodeJS
  - Angular
  - Visual Studio Code
  - XAMMP

## 6 References(IEEE Format)

1. <https://nevonprojects.com/online-bakery-shop-system/>
2. <https://angular.io/docs>
3. <https://material.angular.io/>
4. <https://www.ordermentum.com/blog/why-your-bakery-needs-an-ordering-system>