College of Mary Immaculate
College
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MY GROCERY: ONLINE GROCERY SYSTEM

In Partial Fulfillment

Of the Requirements for the Degree of

Bachelor of Science in Computer Science

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May 2022

CERTIFICATION

The dissertation entitled "My Grocery: Online Grocery System" prepared and submitted by **Joseph Bernard B. Reyes** in partial fulfillment of the requirements for the degree **Bachelor of Science in Computer Science**, has been examined and recommended for Oral Examination.

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CERTIFICATE OF ORIGINALITY

This is to certify that the research work presented in this dissertation entitled "MY GROCERY: ONLINE GROCERY SYSTEM" for the College degree from the College of Mary Immaculate embodies the result of the original and scholarly work carried out by the undersigned. This dissertation does not contain words or ideas taken from published sources or written works by other persons which have been accepted as basis for the award of any degree from other higher education institutions, except where proper referencing and acknowledgement were made.

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ABSTRACT

Title: MY GROCERY: ONLINE GROCERY SYSTEM

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Online Grocery or E-Grocery is a business where the main purpose of the selling is groceries online. Online Grocery is also online shopping, the difference is in online shopping a lot of products are selling while in the online grocery it will only sell groceries. This will be convenient for everyone because it will be delivered directly to you by the riders.

This study aims to create a system that is convenient for everyone. Nowadays, many online shopping website/applications are popular to people. The target market for the system is mostly the people who go to the market every day. This system will help the consumers or users to easily buy on the physical and online store with great assurance of safety while having an easier and hassle-free of buying goods online. The study will be conducted using the Waterfall Model which appears in the conceptual framework. The waterfall model divides project activity into linearly continuous phases, each phase that depends on the results of the previous phase and accommodates task specializations. In this study it was found out that the system is better in terms of speed of transaction, reliability and convenience. While in the security, there is a doubt that security is well done because it can cause bad impact to the customers. It identifies that security and convenience are needed to improve for future

purposes. So, the researcher came up with a way to solve the problem by making by making a two-way factory authentication. It will also have a monthly debugging to determine if there's an error in the system. This system will save people so much time, money, and the effort of searching for the things you need to buy. Not only that, but it also lets you multitask on different things both at work and at home.

Online Grocery are similar to Online Shopping, so the features are also the same, but in the proposed system that the researcher made is there are some features that online shopping does not have. The major features of the proposed system are:

- Sign-in
- Signup
- Email validation
- two way-factor verification
- Add to cart
- Edit profile
- Auto generated postal code.

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