

# **International Islamic University Chittagong**

## **Department of Computer Science and Engineering**



### **A Thesis / Project Proposal on “Online Grocery Store”**

#### **Supervised by**

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**Approval of the Supervisor**

## Introduction

In our daily life we can't imagine a step without grocery things. In this age of technology, to buy grocery things from store physically is a type of hassle specially in this covid situation. "Online Grocery Store" is a good substitution to reduce this hassle. It is a hot prospect and can make our daily life easy, flexible and also saves our time. People can get their grocery things at home by accessing our proposed project.

## Background / Literature Review / Review of the Existing Works

Conventional grocery marketplace is very competitive and available nowadays. Shop owners has to look for different strategies on services, products and quality of website to attract new customers, retain their current customers and even compete with the rivals. For these reasons, online grocery system becomes one of the business models for retailers to increase the profitability and market share.

At present, there are a lot of e-commerce sites in Bangladesh like shwapno, meena click and evaly etc.

### Comparison between existing works and our Proposed project

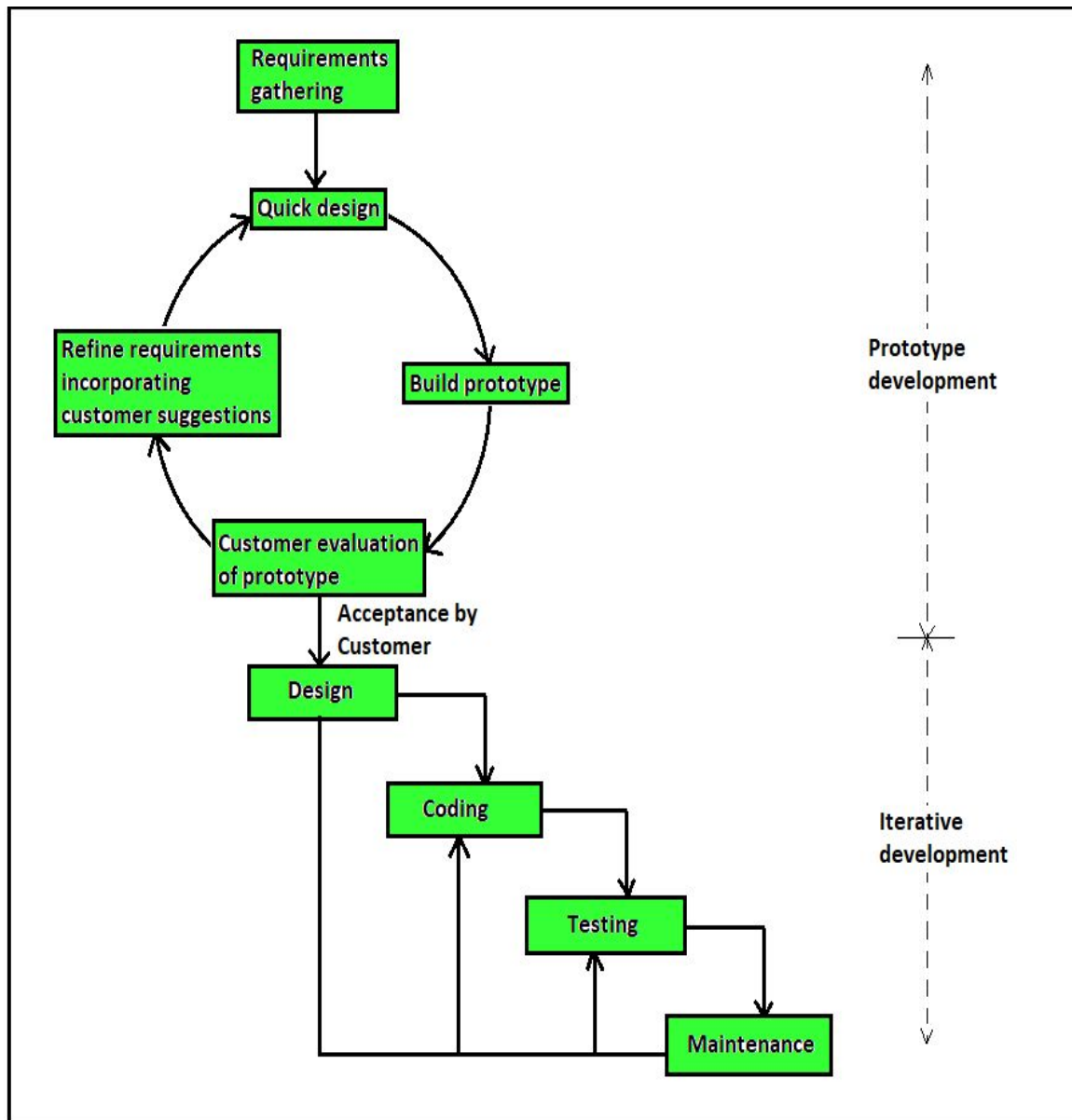
<b>Evaly</b>	<b>Swapno</b>	<b>MeenaClick</b>	<b>Our Project</b>
Shopping Cart	Shopping Cart	Shopping Cart	Shopping Cart
Category based products	Category based products	Category based products	Category based products
Product based query section N/A	Product based query section N/A	Product based query section N/A	Product based query section Available
Complain section in Navbar N/A	Complain section in Navbar Available	Complain section in Navbar N/A	Complain section in Navbar Available
Career Opportunity section N/A	Career Opportunity Section N/A	Career Opportunity Section N/A	Career Opportunity Section Available

## **Aims / Objectives**

- ★To convert the traditional grocery system into an Online Web application where customers and retailers can deal from anywhere.
- ★To build a friendly community where customers and retailers can share their opinions for making the grocery system more arranged and efficient.
- ★To reach a wider range of audience for engaging in grocery system smartly.

## **Methodology / Approach / Strategy**

The methodology model that will be used in the application is prototype model. The Prototyping Model is a system development method in which a prototype, an early approximation of a final system is built, tested, and then reworked as necessary until an acceptable prototype is finally achieved from which the complete system or product can now be developed. This model works best in scenarios where not all of the project requirements are known in detail ahead of time. It is an iterative and trial and error process.



## Work plan and Timeline

It will take 2 or 3 weeks to gather information about the project. Whole project will take 6 months to complete. After this time, it would be available for production. In case of adding additional features/modifications, it may require a more extended time.

## Gantt Chart

[illegible]

## Conclusion

Online shopping is a different experience and can make the shopping creative over the internet as we get used to it. Technology has made significant progress over the years to provide consumers a better life without hassle. With the rapid growth of technological facilities, people have speculated that online grocery shopping will overtake physical shopping.

## References

- [1] Shwapno, [online]. URL: <<https://www.shwapno.com/>>. [Visited: 13 Dec, 2020]
- [2] Meena, [online]. URL: <<https://www.meenaclick.com/>>. [Visited: 14 Dec, 2020]
- [3] Evaly, [online]. URL: <<https://evaly.com.bd/>>. [Visited: 13 Dec, 2020]

## Tools and Technologies

- ★ React and its associated libraries.
- ★ React Router.
- ★ Bootstrap.
- ★ Firebase for authentication.
- ★ Firebase for hosting.
- ★ Heroku for server side deploy.
- ★ Express js.
- ★ MongoDB.
- ★ Git for version control.

## **Hardware Requirement**

CPU type : Core i3

Clock speed : 3.0GHz

Ram Size : 4GB

HDD: : 20GB

## **Software Requirement**

Operating System: windows 7/8/10, Linux, Mac

Browser: Internet Explorer, Chrome, firefox and Safari