

# Product Availability Checker

## Introduction:

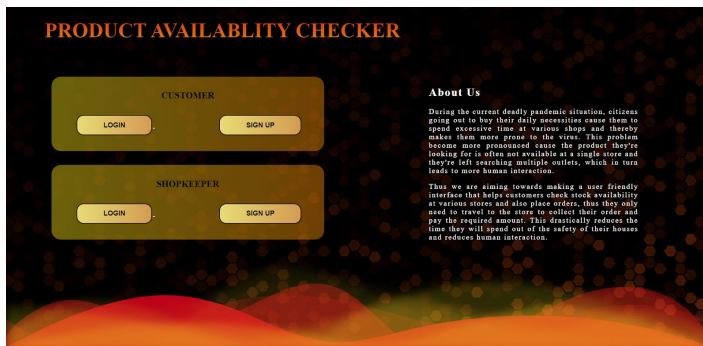
Going out to supermarkets and not finding what is needed has been a huge problem since the start of lockdown. Our Application aims at eradicating the need to spend time searching for various products on store shelves by risking one's health.

## SCOPE of the project:

Our application aims at providing the customers with details of all products available in various nearby stores / supermarkets. It allows customers to decide which shop to go and when to go by sitting at the safety at their house.

## Methodology:

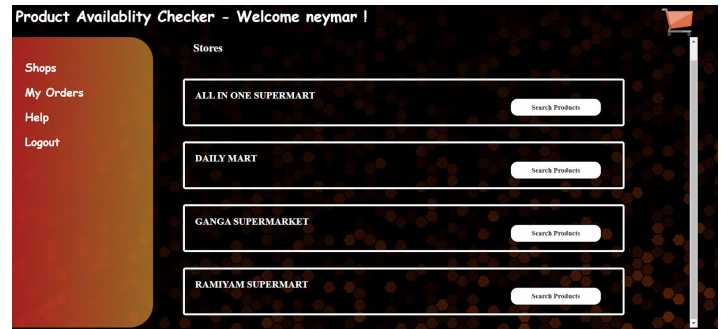
The methodology applied to develop this project is Waterfall Model to track the development process. We also followed scrum methodologies to increase every member's productivity and to ensure the development is happening in the right way. The home page looks something like the figure shown below:



The user stories made for the project is as listed below:

- As a customer I don't want to risk my health and go from shop to shop searching for various stuff that I want.
- As a customer I don't want to spend excess money on something because I cannot check that product in various other stores.

- As a Store Owner I want to provide customers a safe, fast and happy shopping experience while following all the necessary precautions.



- As a Store Owner, I want to increase my profits and provide services to as many customers as possible by following all the restrictions.
- As a Store Owner, I want customers to spend as little time as possible with each customer and provide them with quality service.

Creating these user stories, helped identify what functionalities different types of users would expect out of our application.

## Result:

Taking all these users' stories into consideration a web application was created using HTML, CSS and PHP. Although there are minor bugs there is no major issue that causes any functionality of the application to not work as expected.

## Conclusion:

Waterfall model lets developers understand the road map of the development. It gives a clear picture of what should be done in an orderly way.

Scrum Model is a powerful development process that lets developers keep track of the development and make necessary changes whenever required easily. It lets developers find out if anything is being done the wrong way and correct it before it is too late.

## References:

Google, Stackoverflow, php.net, w3schools.com