# Interim Report IIT 271-2

Group No: 04

# WEB BASED DIGITAL TRANSFORMATION BUSINESS SYSTEM FOR P.R.F SEA FOOD PRIVATE LIMITED

Department of computer Science and Informatics
Uva Wellassa University
April 2021

# Group Details

Group No: [04]

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Approval Signature	
Date:	
Evaluation panel members	
Date:	Date:
Mr. N.E.C.Jayasekara (Project Supervisor)	Ms. R.M.I.S.Ranasinghe (Project Coordinater)

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## 1.1 Project Title

Online Web Based Digital Transformation Business System for P.R.F SEA FOOD PRIVATE LIMITED

## 1.2 Project Background

The fishing industry is an industry that has been around for a long time. With the globalization of the world, domestic and foreign trade began to expand. As a result, bait production used in the multi-day fishing industry did not take place adequately in Sri Lanka. Therefore, it had to be imported and distributed from foreign countries. P.R.F Sea Food Company is one of the leading importers and distributors in the country. We are creating this web base system at the request of the P.R.F seafood company.

The project is a system for P.R.F Sea Food Private Limited in Chilaw. This project explores an Online Web Based Digital Transformation Business System which can Logging to the system, Access to the system, Get items details, order and sell items etc.

Currently this Sea Food Company is using a manual system. So, customers get details about bait items, check availability of item, get payment details, doing payments, ordering and selling items in manual way. Because of that reason, they asked us to suggest a suitable way to carry on this business in a formal manner. Considering all their requirements (uses and facts), we suggest them an online web based digital transmission system.

Using this online system, registered customers and clients get more benefits. They are reduce operational cost, saving time, saving document cost, less man power and get efficient process 24\*7.

# 1.3 Project Aims and Objectives

#### Aims:

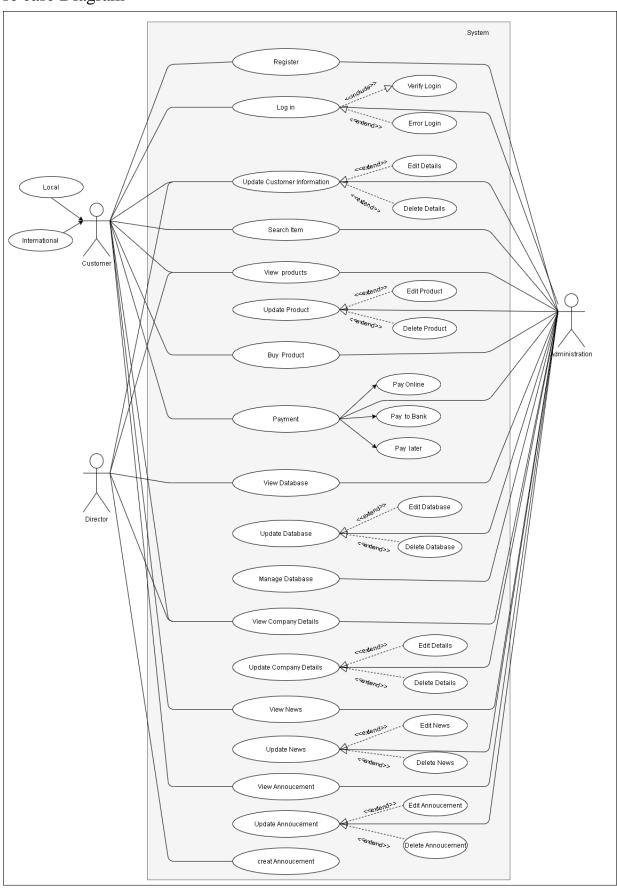
The main purpose of this online web-based digital transformation business system is, to create a system that is,

- More efficient
- Accurate
- Easy to use
- Easy to understand for our clients

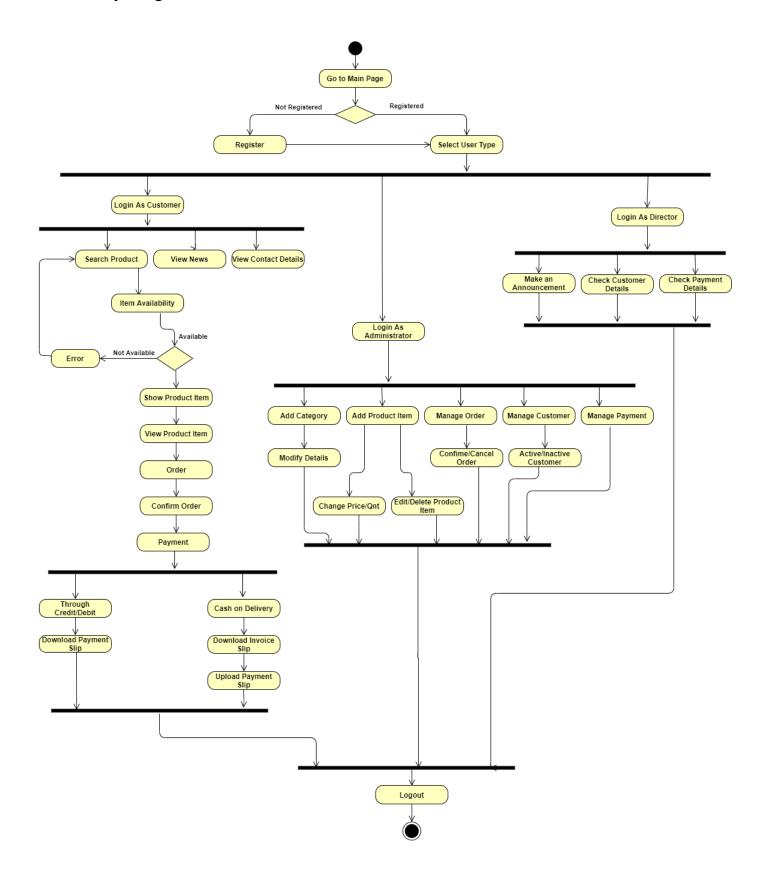
## Objectives:

- To develop system that will use visual techniques to give details of and Display.
- To develop a system that would all customers to get information about bait products.
- Customers can create their accounts, doing online payments and manage their business activities.
- Administration can access to the system and view customer details, view payment details, keep announcements, put some information to customers and also maintain the system.
- Ensure the user satisfaction because of the efficient system there.

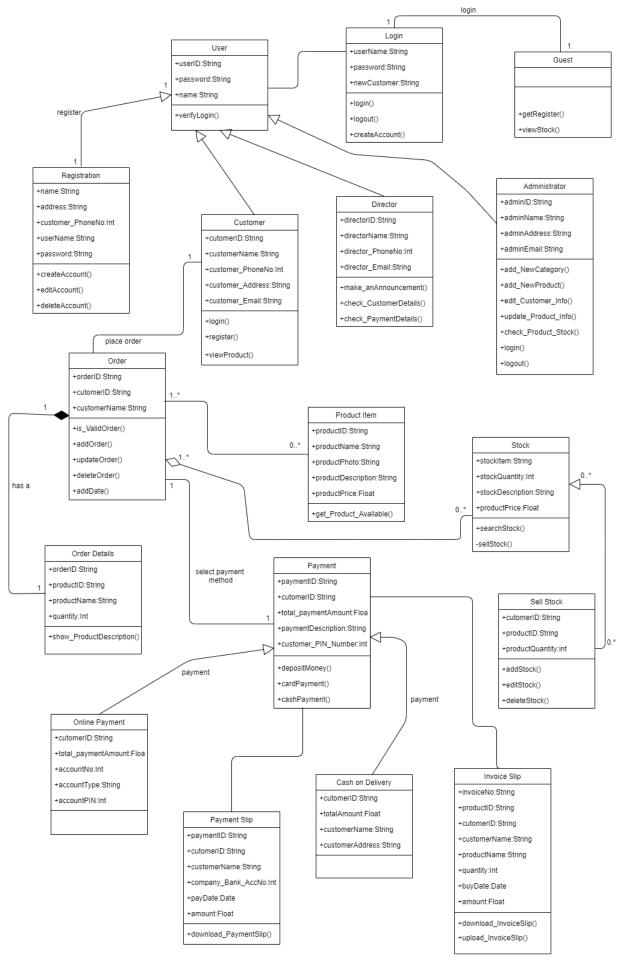
# 2.1 Use case Diagram



# 2.2 Activity Diagram

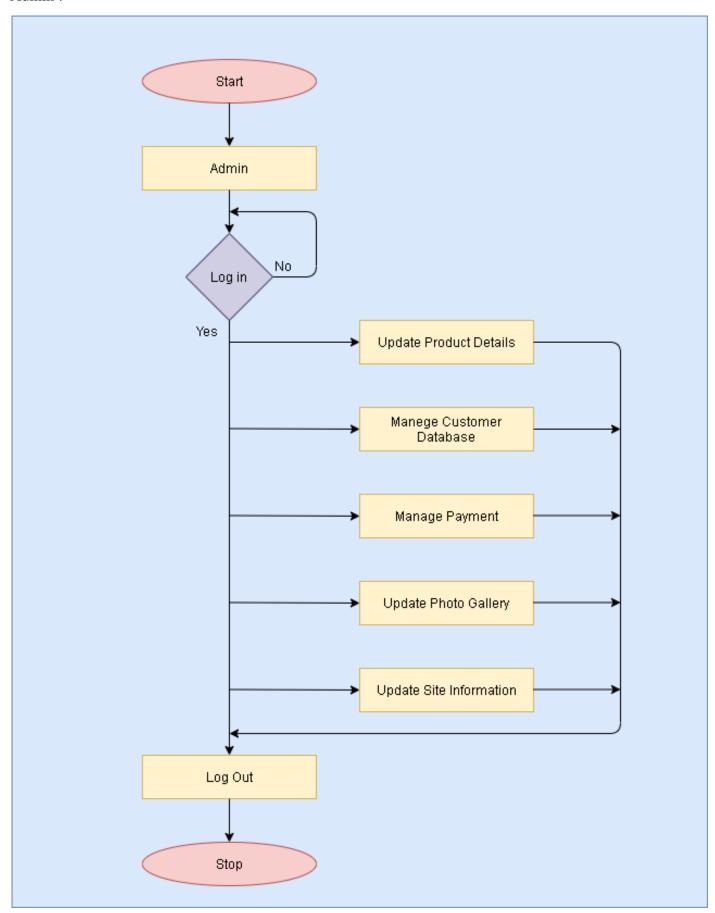


# 2.3 Class Diagram

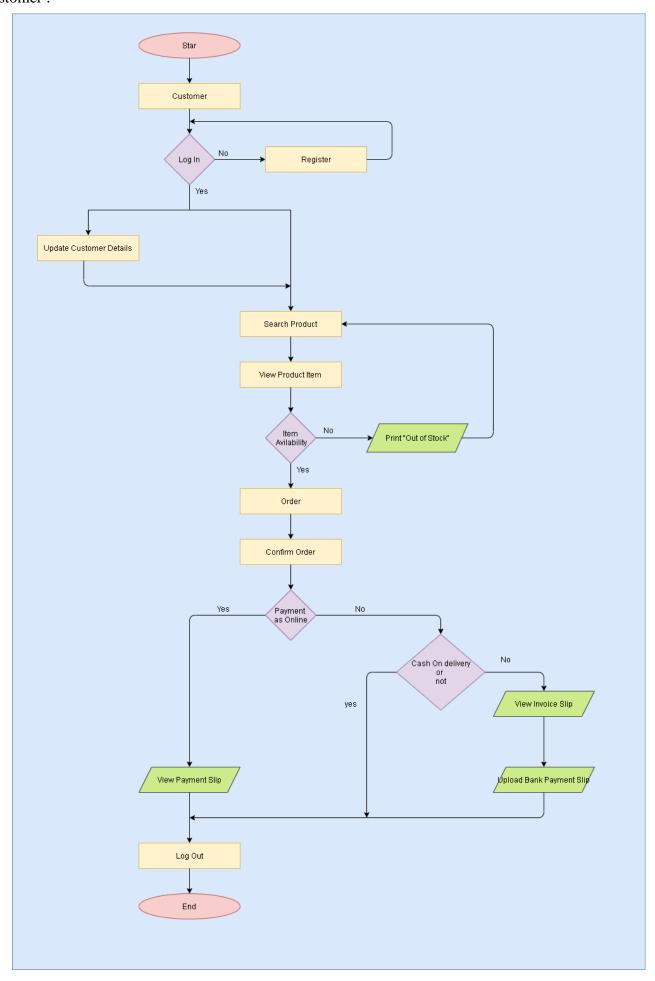


# 2.4 Flow Chart

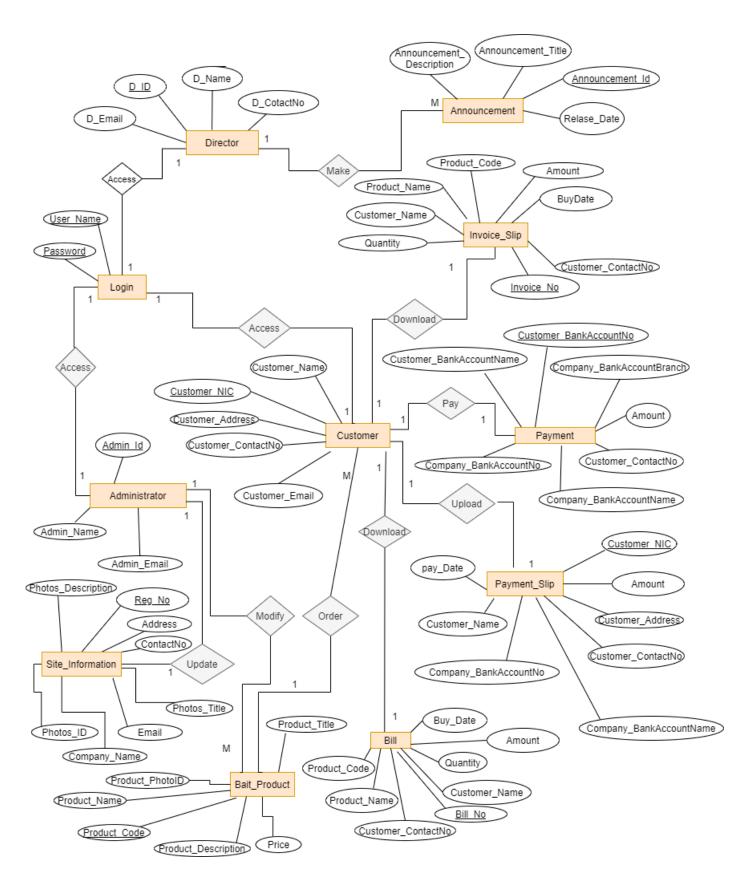
### Admin:



## Customer:



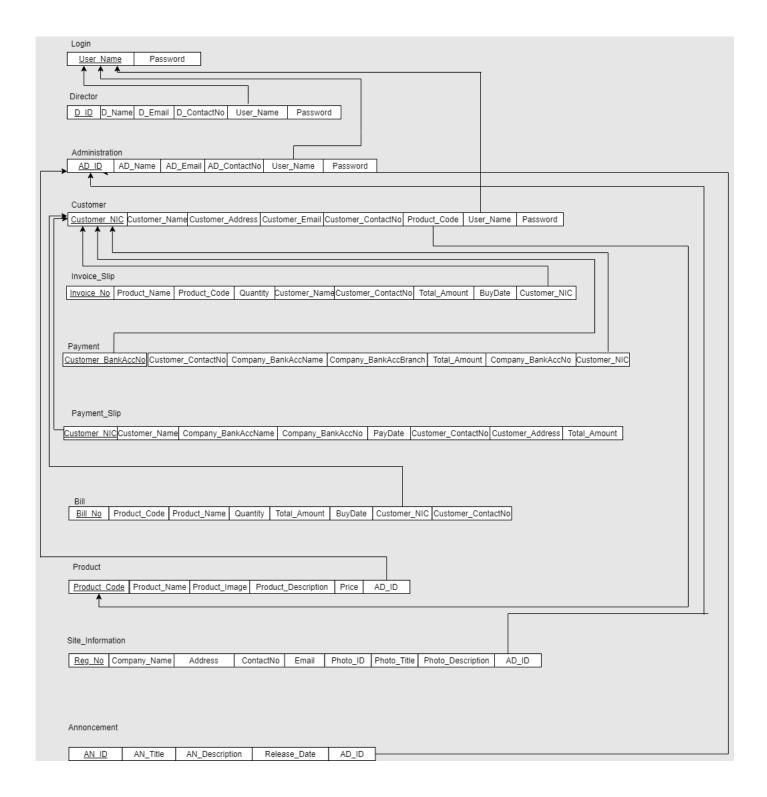
## 3.1 Entity Relationship Diagram



# Assumptions of the Entity Relationship Diagram:

- 1. The invoice slip is given to the borrower customers and customers who make payments to bank account.
- 2. Customers means those who buy bait products.
- 3. Customers need to register with the company before purchasing products.
- 4. The payment slip should be uploaded only when making a payment to the bank.
- 5. Customers buy only one items at a time.

### 3.2 Relational Schema



# Chapter 4: Progress of the project

- First we met with the owner of the company and got the necessary details and made a proposal for the web based system as they wanted.
- Then drew the relevant diagrams. (Use Case Diagram, Class Diagram, Activity Diagram, ER Diagram, Relational Schema, Flow Chart)
- After that we designed interface our web based system.
- So we developed front end of the Home page, About page, Contact us page, Account page and Product page.
- And then we developed front end of the payment method and cart.
- Then we developed front end of the Admin Dashboard & Customer Dashboard.
- Databases are under construction.









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#### **OUR MISSION**

We believe that building a corporate brand and striving for excellence is the most effective process. It can be achieved mainly through the coexistence of proper human resource management. Our customer satisfaction and global reputation are the key to our success. We look forward to being a socially responsible organization that will help make a positive contribution to the Sri Lankan community and the local economy by uplifting the multi-day fishing industry, which makes a significant contribution to the export sector.





#### **OUR VISION**

As the leading supplier of the Sri Lankan multi-day fishing bait industry, we continue to excel while further enhancing the quality and reliability of our products and services.

#### **OUR STORY**

P.R.F. Seafood (Pvt) Ltd is one of the leading seafood exporters and importers in Sri Lanka. Since its inception we have grown our business with innovative ideas. We emerged as a tuna bait importer in 2013 and gradually expanded our business areas to export and import of frozen fish for human consumption. Within a short period of five years time, we could achieve the status of "The biggest fishing bait importer" for the multiday fishing industry in Sri Lanka". Also, with the guidance of the Ministry of Fisheries and Aquatic Resources, we are committed to following the policy decision taken by the Government to minimize foreign imports and uplift local production in our country with the impact of the Kovid-19 epidemic in 2019, At the end of the year 2020, a new local baitfish processing plant was opened with an investment of Rs.120 million. This has enabled us to save a large amount of foreign exchange spent on the importation of baitfish for the multi-day fishing

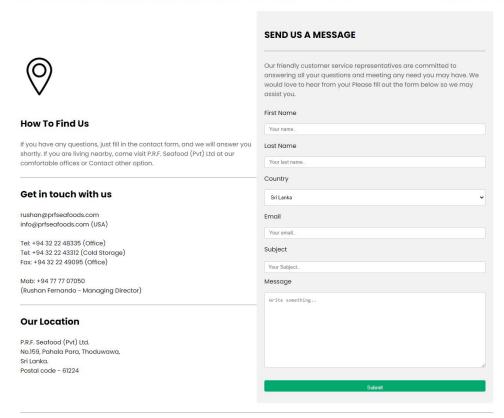


# ABOUT US P.R.F. SEAFOOD FOLLOW US P. R. F. Seafood Google Map MAILING LIST © Copyright 2021 - All Rights Reserved. Developed BY SNAP Solution









#### Location

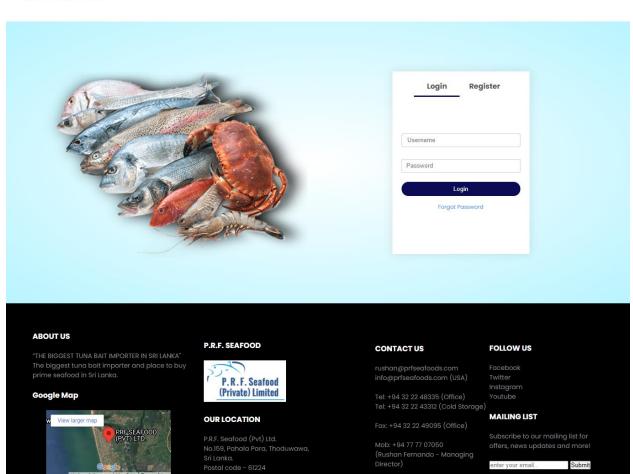




# Login

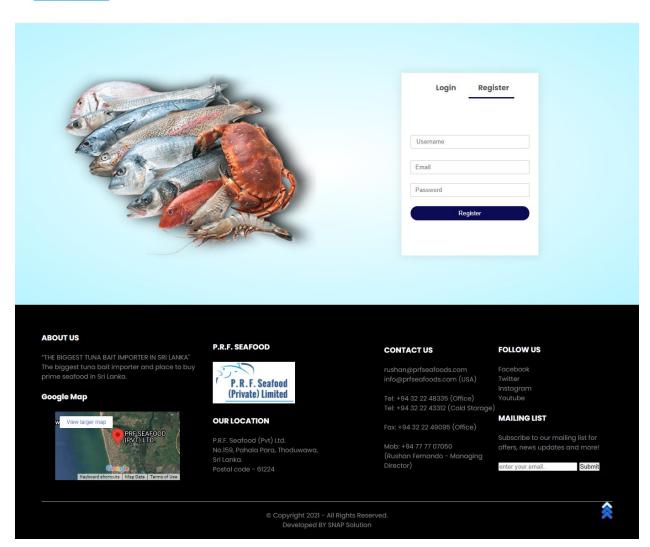


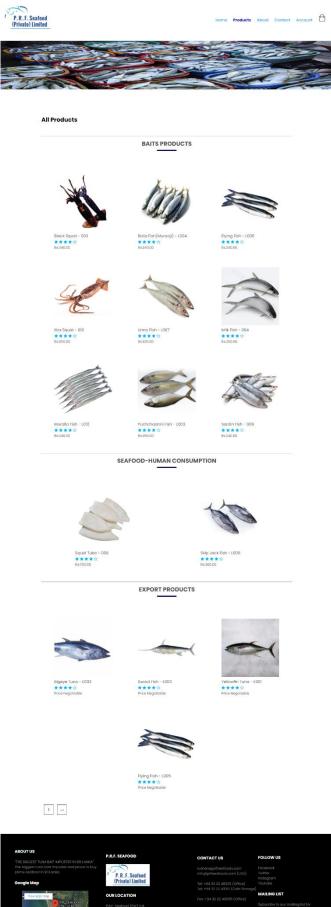




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Home / BAITS PRODUCTS

# **Black Squid**

ITEM CODE: 003

Rs:340.00 (LKR)

Weight per block: 10kg

Stock-available

#### Product Details 🗏

Black Squid are imported from China. The range in size from 80g - 150g. This product has been frozen to -18°C for maintain their quality & made into a 10kg blocks. This product is not for human consumption only for fishing bait.

Delivery available and free delivery to Negambo and Dikowita. Special discounts are available for cash payments.

Block: 10

Add to Cart

**Buy it Now** 

#### **Related Products**

View More



Bolla Fish - L004 \*\*\* Rs: 340.00



Flying Fish - L005 \*\*\*\* Rs: 240.00



Illex Squid - 001 女女女女女 Rs: 590.00



Linna Fish - L007 \*\*\*\* Rs: 330.00









Block: 10

Add to Cart

**Buy it Now** 

#### **Related Products**

View More



Bolla Fish - L004

★★★☆

Rs: 340.00



Flying Fish - L005

\*\*\*

Rs: 240.00



Illex Squid - 001

★★★★

Rs: 590.00



Linna Fish - L007

★★★☆

Rs: 330.00

















Home / EXPORT PRODUCTS

# **Bigeye Tuna**

ITEM CODE: E002

#### **Price Negotiable**

Stock-available

#### Product Details 🗷

Bigeye Tuna (Thunnus obesus) is a true tuna of the genus Thunnus, belonging to the wider mackerel family Scombridae. It is generally recognized as an important food fish and prized recreational game fish. Bigeye Tuna is one of two species known as Ahi in Hawaiian - the other being the Yellowfin Tuna. They are found in the open waters of all tropical and temperate oceans, except the Mediterranean Sea. Their maximum weight can exceed 150kg (330lb), with the all-tackle angling record standing at 178kg (392lb). This product can be supply in chilled or frozen type for human consumption.

- ✓ Full Loins | Sashimi / Grade A / Regular
- ✓ Centre Cut Loins | Sashimi / Grade A / Regular
- ✓ Head and Gutted | Sashimi / Grade A / Regular

**⇔** Inquire

#### **Related Products**

View More







Flying Fish - L005 Rs: 240.00



Illex Squid - 001 Rs: 590.00

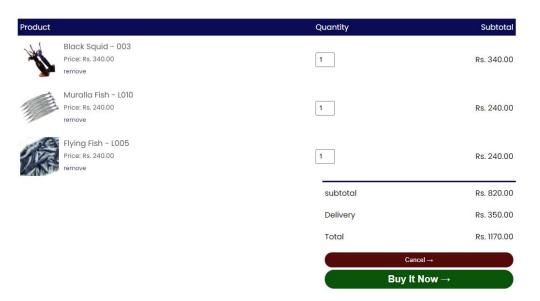


Linna Fish - L007 Rs: 330.00

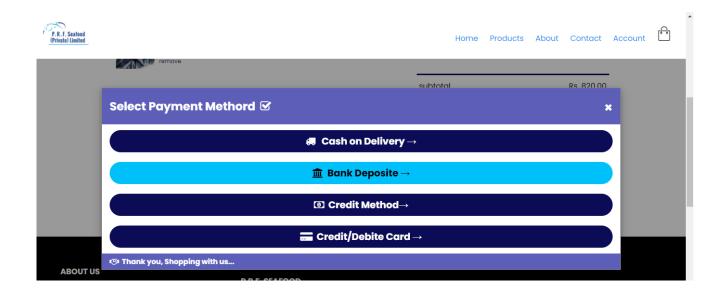










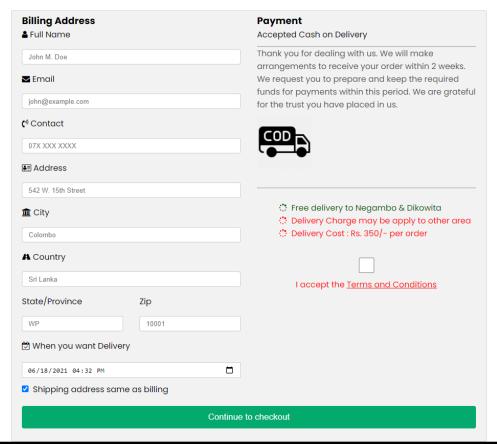








## **Checkout ☑**



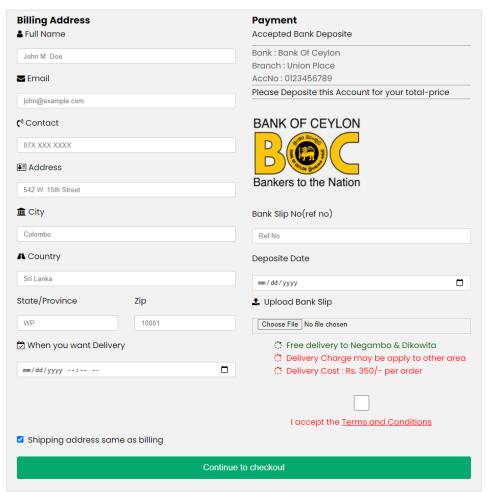
Net Total	Rs:1800.00
Delivery	Rs:350.00
Total	Rs:1450.00
Linna Fish - L007	Rs:330.00
Muralla Fish - L010	Rs:240.00
Milk Fish - 004	Rs:290.00
Illex Squid - 001	Rs:590.00
Cart	` <b>≓</b> 4











Net Total	Rs:1800.00
Delivery	Rs:350.00
Total	Rs:1450.00
Linna Fish - L007	Rs:330.00
Muralla Fish - L010	Rs:240.00
Milk Fish - 004	Rs:290.00
Illex Squid - 001	Rs:590.00
Cart	<b>≒</b> 4

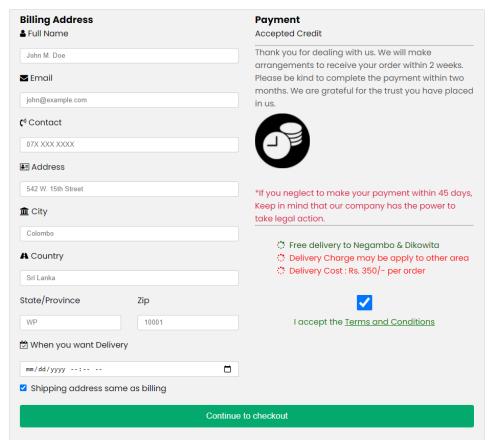








#### **Checkout У**



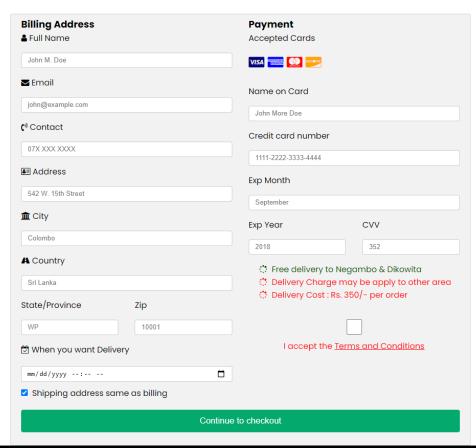
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Cart	<b>≒</b> 4





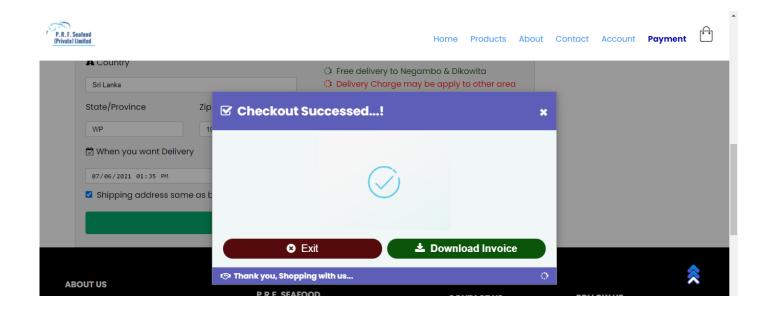


#### **Checkout ☑**









# Chapter 5 : Future Work

- Should develop the function for payment methods and downloading payment slip for the customer. Front end development is already done and have to develop the database.
- Back end of the payment function should be developed.
- Front end of programs update, delete, modify, user account reset of Administrator part and the database should be created.
- Photo Gallery should be created.
- Front end development of customer logging & registration are done and should develop the back end and develop the customer details database.
- Admin & Customer dashboard back end should be developed.
- Databases should be connected to the web based system.

Registration Number	Name	Individual Contribution
UWU/IIT/18/019	J.M.S.S.Jayasekara	UI Design, HTML & CSS Cording, Flow Chart
UWU/IIT/18/036	G.D.S.A.Hami	UI Design, HTML & CSS Cording, Use Case Diagram
UWU/IIT/18/017	H.K.D.K.Navanjali	UI Design, HTML & CSS Cording, Class Diagram, Activity Diagram
UWU/IIT/18/003	G.R.P.Kavindi	UI Design, HTML & CSS Cording, ER Diagram, Relational Schema