FACULTY OF COMPUTING

INTERNSHIP REPORT

January – 2020 (Currently in 3rd Year 1st Semester)

DATE: 31/05/2022

STUDENT NAME: DHARMAGUNARATHNA S.J.

STUDENT NUMBER: IT20210892

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1 INTRODUCTION

1.1 Company Overview

Please give a brief description of the organisation and the department you carried out your internship

A next-gen cloud-based core insurance platform that democratizes the insurance tech industry. Currently, Surecore is mainly focusing on the insurance industry. Rebuilding and revamping the current insurance, and banking systems are one of the main tasks that Surecore is providing to the customers. Here is my company offer letter,

surecore

No 48, e : hello@surecore.co
Chitra Lane, Colombo 05, p : +94 11 426 0920
Sri Lanka. w: www.surecore.co

11th of November 2021

Shan Joel

Dear Shan,

Appointment Letter - Intern

It is my pleasure to offer you an internship as a trainee in Intern UI/UX Developer at Surecore Pvt Ltd. This appointment will begin on 12th of November 2021 with an allowance of Rs 15,000.00 I anticipate that the appointment will continue at least through 11th of May 2022 Contingent upon your training progress. Finding availability, program needs and satisfactory performance.

You will be collaborating with the Surecore team working on our projects.

I look forward to working with you. Please do not hesitate to call me if you have any questions about your appointment.

Thank you.

Yours Faithfully,

SURECORE (PVT) LTD

Namal Gunawardhane

CHIEF EXECUTIVE OFFICER

1.2 Project Overview

Please give an overview of the project(s) that you worked on during your internship period

Mainly I worked on two projects during my internship period. One is a fully revamping of the Sanasa bank insurance system. Another one is also a rebuilding of the Ceylinco life insurance system. Those are the two main projects that I've worked on during my internship. For the Sanasa revamp we called as "3rd party general" and for the Ceylinco Life project we called as "3rd party portal". So those are the 2 projects that I fully worked on.

1.3 Glossary

Following are the abbreviations and definitions used in this document.

Abbreviation	Description
3rdparty general	Revamping and rebuilding the Sanasa system
3rd party portal	Revamping and rebuilding the Ceylinco Life system
scrum	Daily morning meeting

2 INTERNSHIP INSIGHT

2.1 Objectives

Please describe the company's objectives for the internship

- Learn and perform all the configurations related to UI/UX engineering
- Collaborate with other developers to make elegant looking UI interfaces
- To become acquainted with the industrial environment and to understand how to collaborate with people at various levels of the organization
- To comprehend how theoretical principles learnt in class are utilized in real-world companies
- To develop the soft skills required by real-world businesses
- Learn and perform how the UI/UX techniques work under the hood

2.2 Procedures

Please describe the procedures followed during the internship

- Every day we had to attend the morning scrum meeting
- In there we are discussing what are the things that we have done yesterday and what are the things that we have to do today
- Also, if there are any questions related to work that we have done, we can ask them as well
- We used a tool called “ClickUp” to assign and track our daily tasks
- QA engineers will add and assign the tasks to the related developers in “ClickUp”
- We had to look into those assigned tasks and had to fix those issues by the given deadlines
- We used Figma to design the UI designs
- UI Designers will send us the access to their Figma files and we had to create those UI screens by looking at them
- Once in a week or two, we had a meeting with the entire Surecore team and discuss the status of our work and as well as the future work
- This is how the main procedure followed during the internship period

2.3 Methodology

Please describe the methodology you used during the internship

As I mentioned above, I worked mainly on two projects which are 3rd part general and 3rd party portal. In those projects, I had to develop those UI screens which are made by UI Designers in “Surecore”. During my internship period most of the time, I had to do this. After I attend the daily morning scrum, I will open ClickUp and Figma to see the daily assigned tasks assigned to me. Then I will start to work on those assigned tasks. Some of them are minor issues or changes and some of them are very time-consuming. For some UI screens, I had to get 2 or 3 days to finish because they are very complex. I had to look into small UI features as well. In my opinion, it’s okay to get time to create stuff to bring our best to that product rather than finish it in rush.

Some days I had to attend meetings with UI Designers to discuss the UI designs, whether as UI developers we can develop that or how it should be designed. Because designers have the freedom to design the screens as they need but as developers, we had to discuss whether it is possible to develop or not.

Another hardest thing I've done is fixing conflicts when I work with version controlling. When it comes to version controlling conflicts are normal and we can't stop them. It is natural and we had to have better knowledge and understanding of how we fix those conflicts to save other people's code as well as our code. Otherwise, there will be a disaster isn't it? Because that code might be designed by another developer for months. So if we deleted those features in a second when we are fixing a conflict that will be a really bad thing for the codebase as we all for the entire system. (There are various ways that we can revert our previous codes but they are the last options. We have to have the knowledge to work without those things.) So that is why I mentioned fixing conflicts is one of the hardest things that I've done when I work with version controlling.

That's basically how the process went during my internship.

3 LEARNING OUTCOME

3.1 Learning

Please describe what students learned during the internship period

- Learn and perform how to work with a team and how to work with version controlling
- Learn and perform how to pitch to a customer and how to handle customer issues
- Learn and worked with frontend technologies such as Angular and React.js, Sass
- Learn advanced CSS concepts
- Learn how the HTML DOM works under the hood
- Collaborate with other developers to make elegant looking UI interfaces
- Learn and perform all the configurations related to UI/UX engineering
- Fixed UI issues and bugs
- Learn and perform to work for a given deadline
- Meetups with clients to get their requirements
- Meetups with team members to clarify doubts and discuss UI related stuff

3.2 Measurable Outcome

Please describe the measurable outcomes of the project

- I've worked in a variety of settings
- In each endeavour, I have a strong sense of teamwork
- I learned to manage my time and plan my work around deadlines
- I improved my communication and interpersonal abilities
- I learned how to approach and solve technical problems in the actual world

3.3 Effectiveness of the Effort

The student should describe how effective was the effort he spent by drawing the analysis of the experience gained during the internship period with classroom material he studied

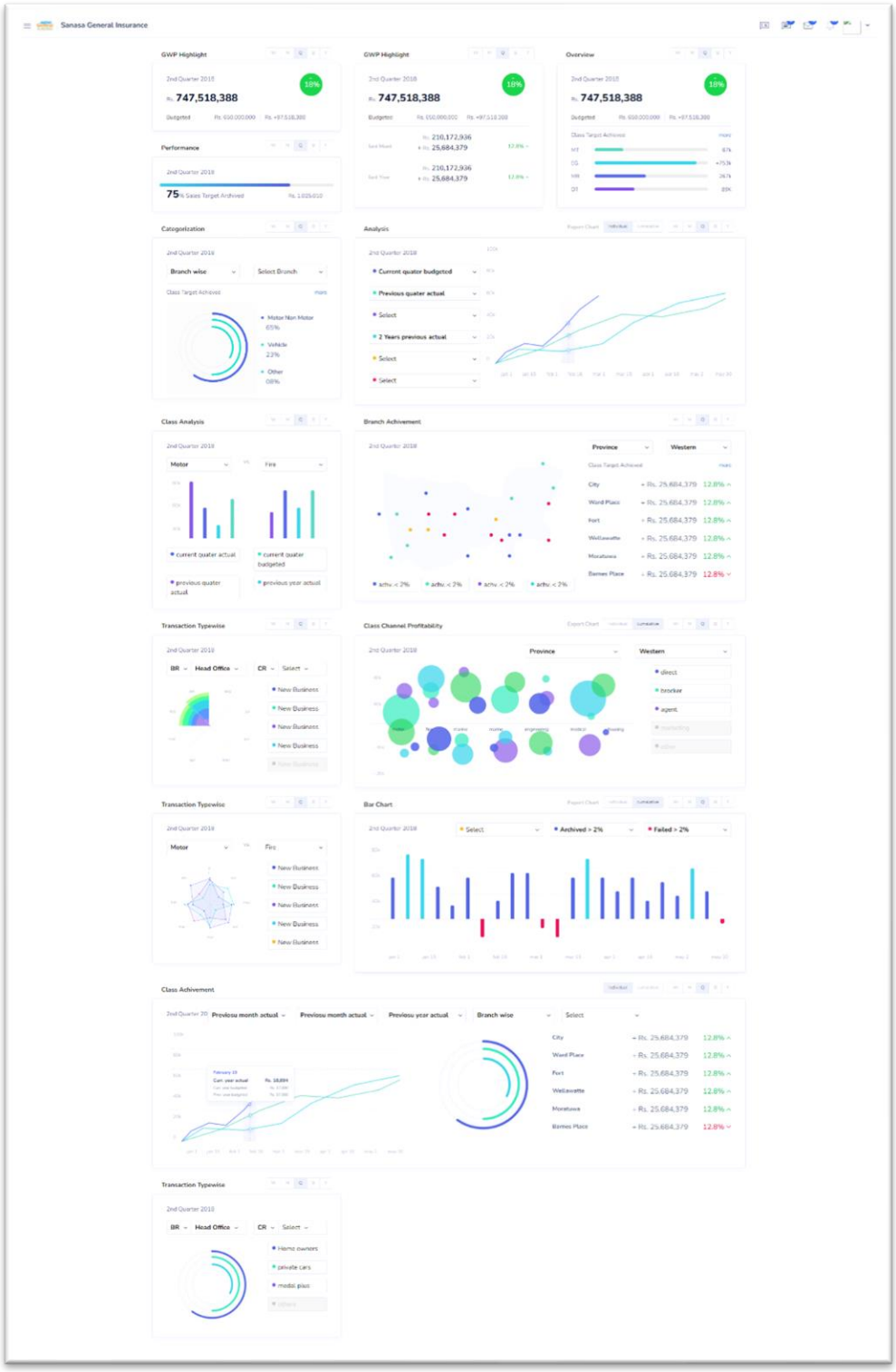
Also, the student can describe what might have been done differently if the same internship was provided again

In 2021 November I started my internship as a UI/UX Engineer intern at Surecore (PVT) LTD. At that time I only had theoretical knowledge in developing stuff and had a small practical knowledge of developing systems by doing our university projects. But I realized what is the actual scenario in a company when I doing my internship. Throughout my internship journey, I learned a lot of things related to a company environment and how things work under the hood. Other than the technical stuff I learned a lot of soft skills such as how to work with a team and how to talk with other members and how to respect them, etc. Also, I've improved my communications skills as well because in the university most of the time we talk in English only for the vivas. But in the company, we had to talk in English every day in the scrum meeting. So I gained a lot of stuff throughout my internship career.

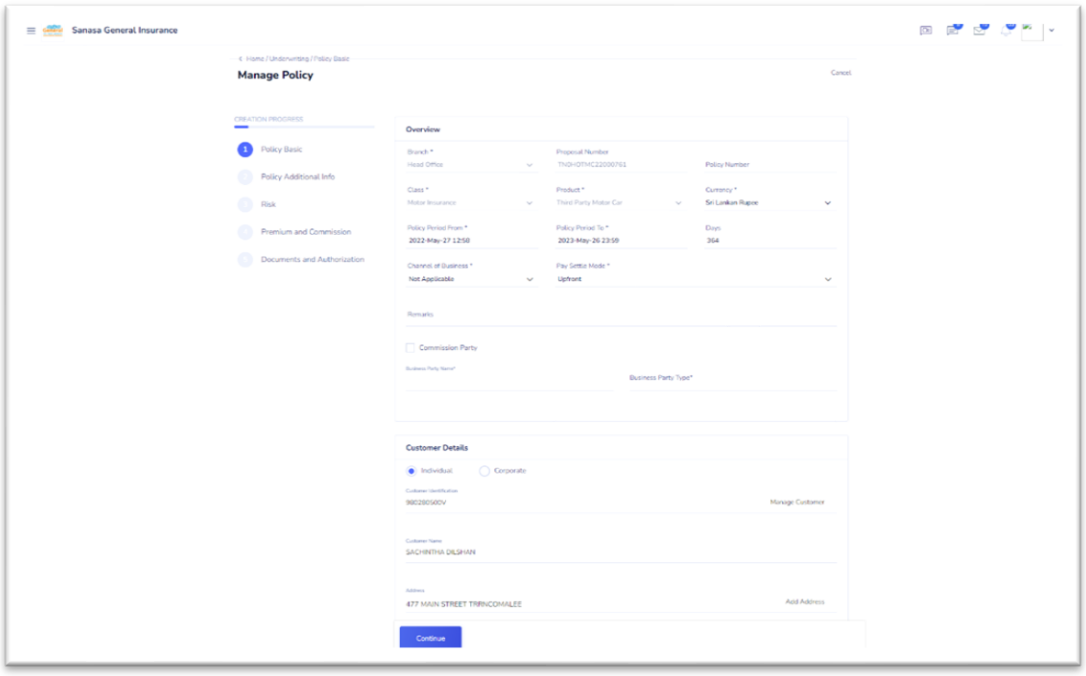
Other than the soft skills I learned lots of technical knowledge related to my UI/UX engineering role. So finally, the experience I got working with people from all backgrounds at Surecore is invaluable.

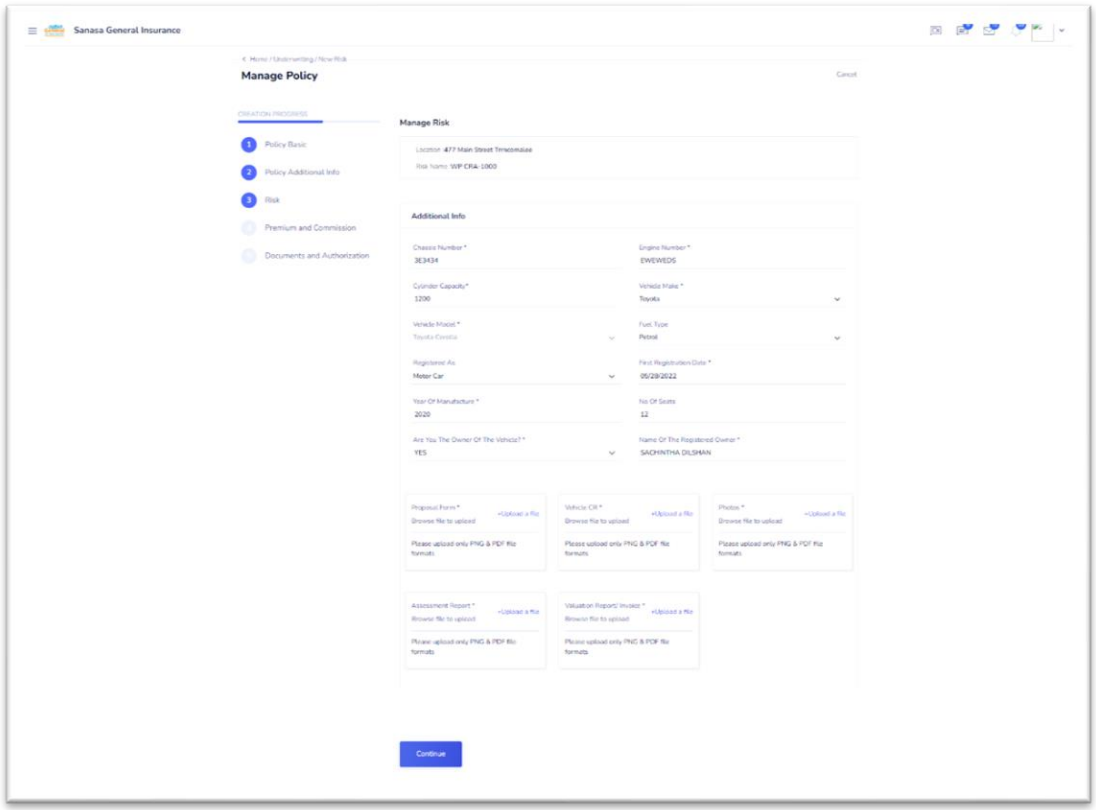
4 SAMPLE WORK

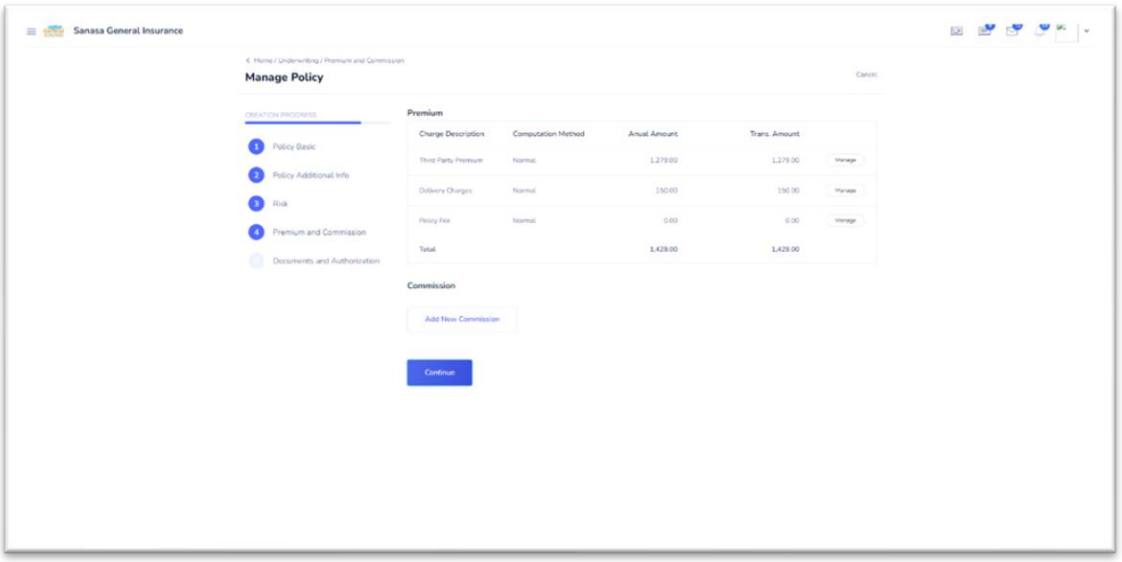
4.1 3rd Party General main UI screen that I created



Following are some of the other main UI's that I developed according to the FIGMA designs,






Sanasa General Insurance
Manage Policy
Cancel
Policy Basic
Policy Additional Info
Risk
Premium and Commission
Documents and Authorization
Premium
Charge Description
Computation Method
Anual Amount
Trans. Amount
Third Party Premium
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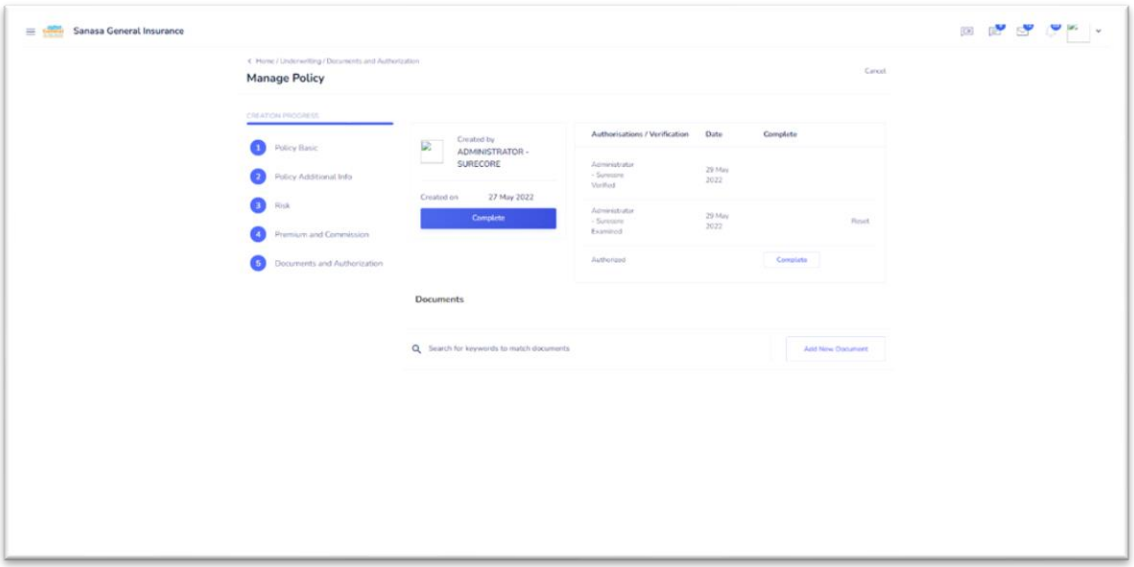
Delivery Charges
150.00
Policy Fee
0.00
Total
1,429.00
Commission
Add New Commission
Continue


Sanasa General Insurance
Manage Policy
Cancel
Policy Basic
Policy Additional Info
Risk
Premium and Commission
Documents and Authorization
Created by
ADMINISTRATOR - SURECORE
Created on
27 May 2022
Complete
Authorisations / Verification
Date
Complete
Administrator - Surecore Verified
29 May 2022
Administrator - Surecore Examined
29 May 2022
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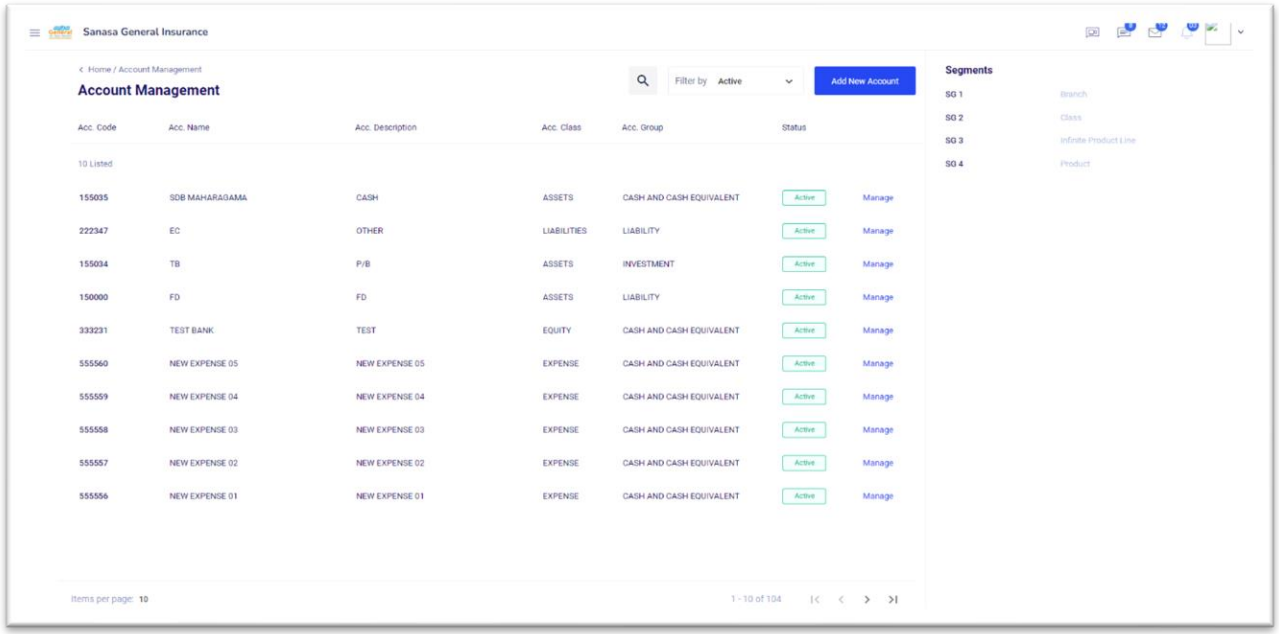
Authorized
Complete
Documents
Search for keywords to match documents
Add New Document


Sanasa General Insurance
Home / Account Management
Account Management
Filter by Active
Add New Account
Segments
SG 1 Branch
SG 2 Class
SG 3 Infinite Product Line
SG 4 Product
Acc. Code
Acc. Name
Acc. Description
Acc. Class
Acc. Group
Status
10 Listed
155035 SDB MAHARAGAMA CASH ASSETS CASH AND CASH EQUIVALENT Active Manage
222347 EC OTHER LIABILITIES LIABILITY Active Manage
155034 TB P/B ASSETS INVESTMENT Active Manage
150000 FD FD ASSETS LIABILITY Active Manage
333231 TEST BANK TEST EQUITY CASH AND CASH EQUIVALENT Active Manage
555560 NEW EXPENSE 05 NEW EXPENSE 05 EXPENSE CASH AND CASH EQUIVALENT Active Manage
555559 NEW EXPENSE 04 NEW EXPENSE 04 EXPENSE CASH AND CASH EQUIVALENT Active Manage
555558 NEW EXPENSE 03 NEW EXPENSE 03 EXPENSE CASH AND CASH EQUIVALENT Active Manage
555557 NEW EXPENSE 02 NEW EXPENSE 02 EXPENSE CASH AND CASH EQUIVALENT Active Manage
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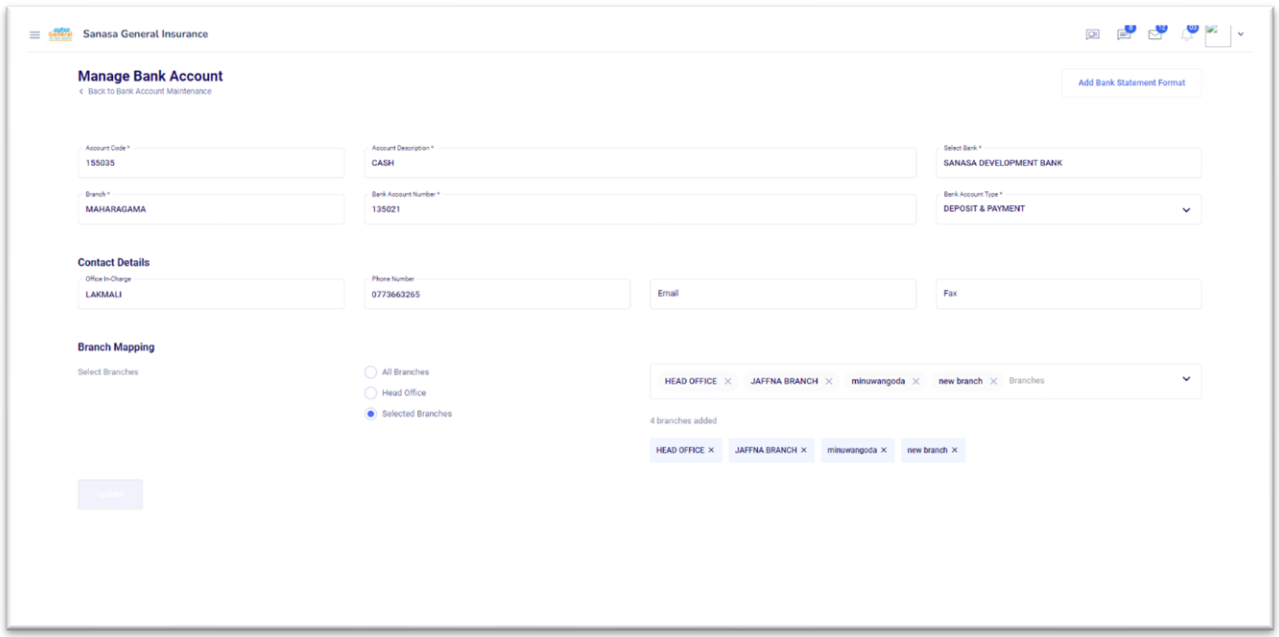
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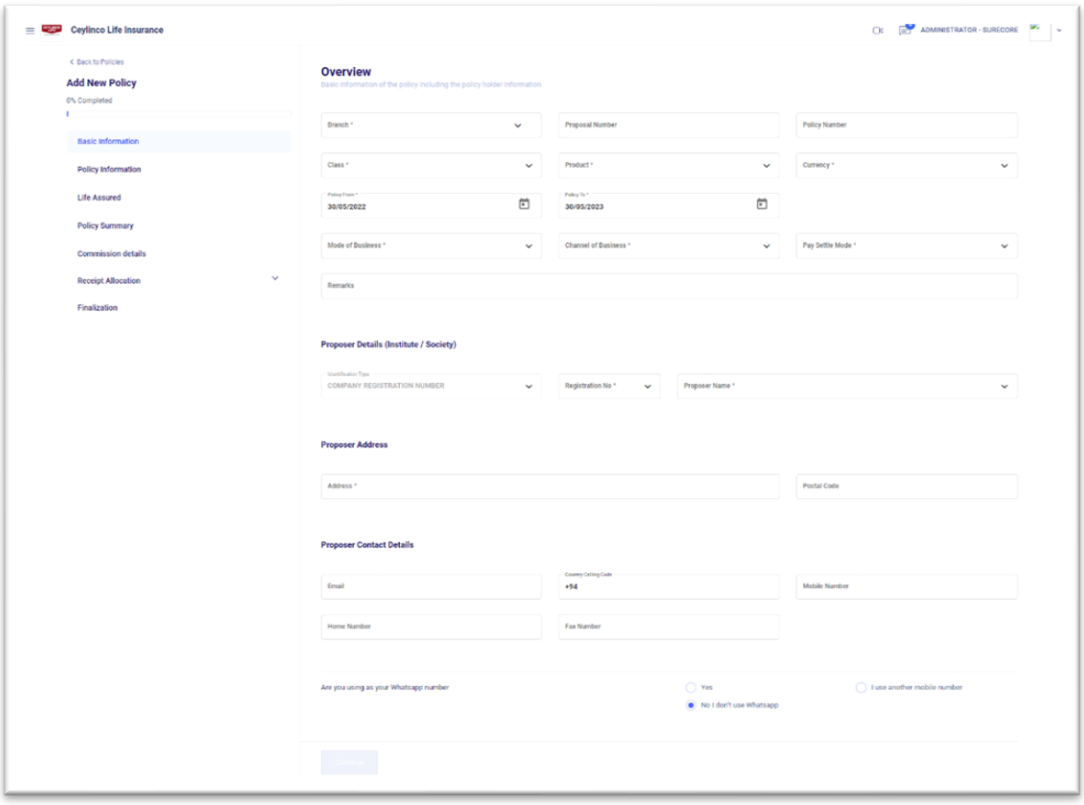
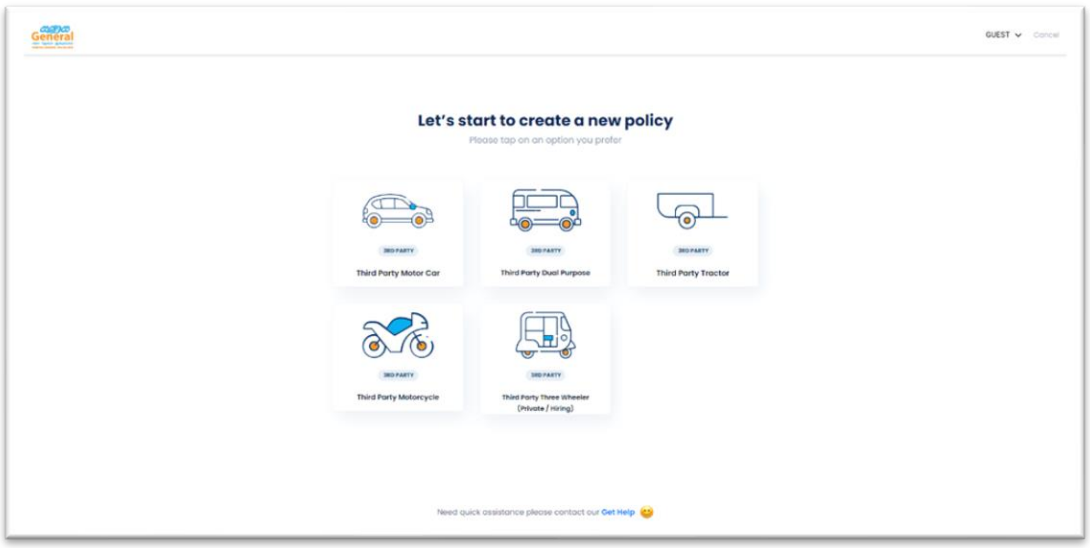
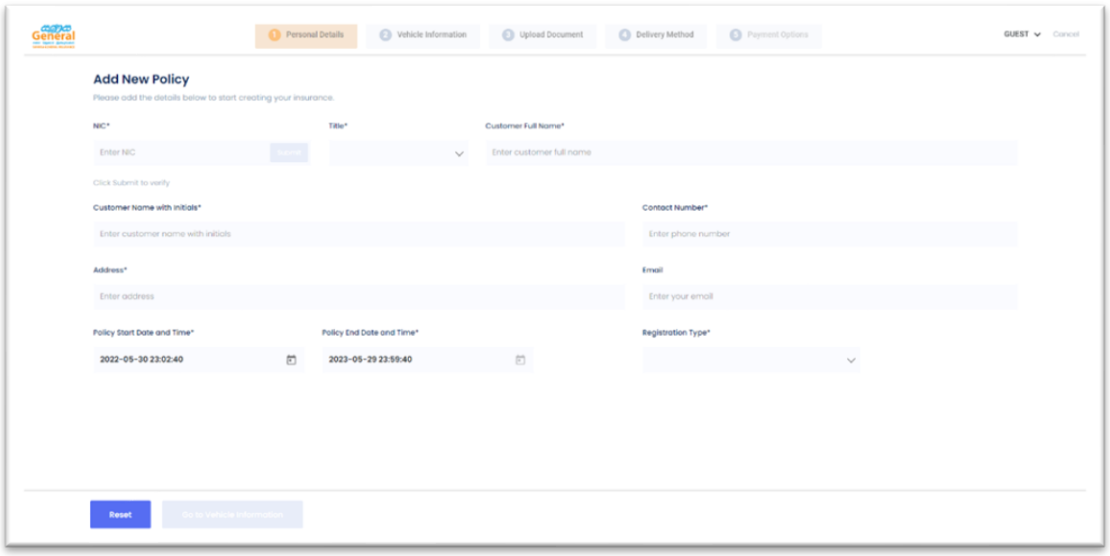
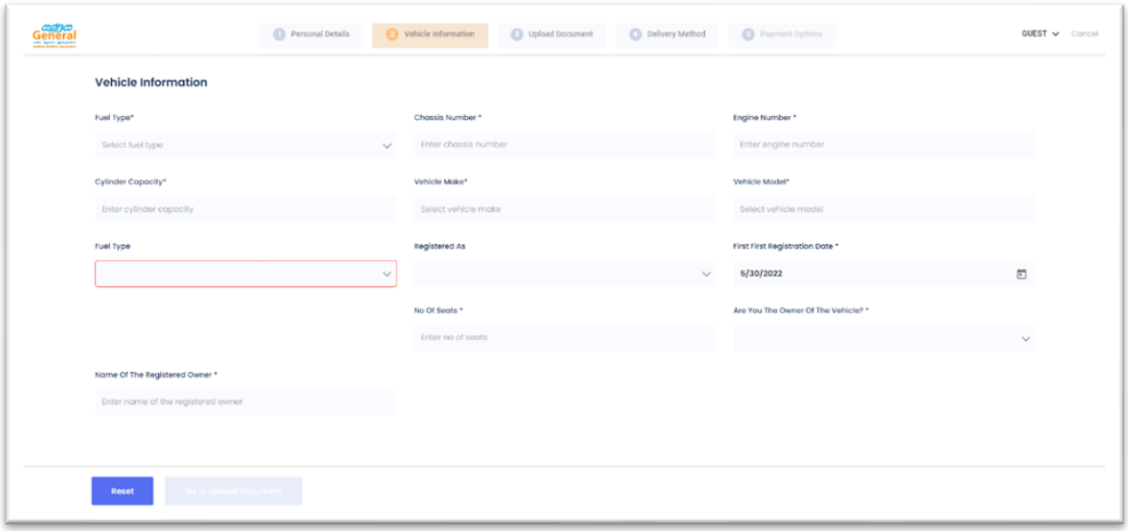
Back to Bank Account Maintenance
Add Bank Statement Format
Account Code * 155035
Account Description * CASH
Select Bank * SANASA DEVELOPMENT BANK
Branch * MAHARAGAMA
Bank Account Number * 135021
Bank Account Type * DEPOSIT & PAYMENT
Contact Details
Office In-Charge LAKMALI
Phone Number 0773663265
Email
Fax
Branch Mapping
Select Branches
All Branches
Head Office
Selected Branches
HEAD OFFICE JAFFNA BRANCH minuwangoda new branch Branches
4 branches added
HEAD OFFICE JAFFNA BRANCH minuwangoda new branch

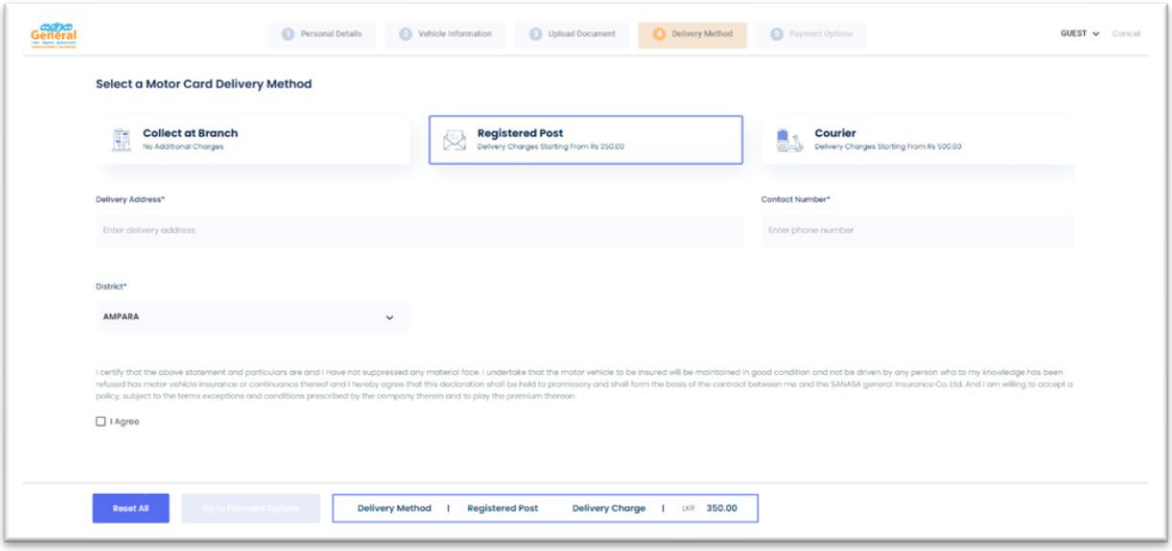
4.2 3rd Party Portal main UI screen that I created

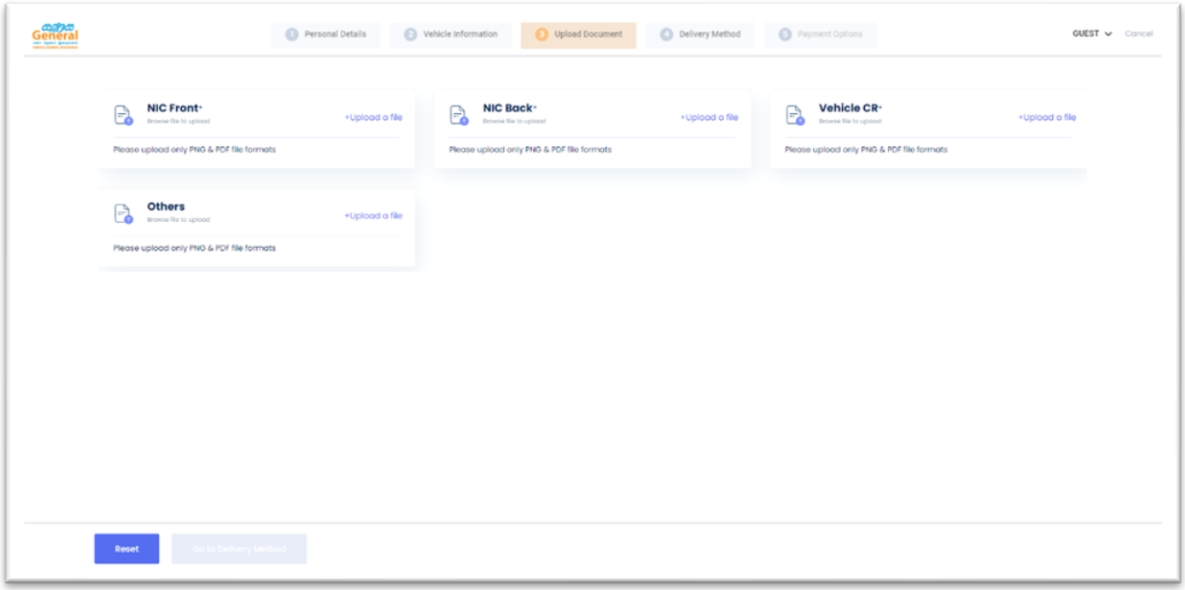





General
1 Personal Details
2 Vehicle Information
3 Upload Document
4 Delivery Method
5 Payment Options
GUEST
Cancel
Add New Policy
Please add the details below to start creating your insurance.
NIC*
Title*
Customer Full Name*
Enter NIC
Submit
Enter customer full name
Click Submit to verify
Customer Name with Initials*
Contact Number*
Enter customer name with initials
Enter phone number
Address*
Email
Enter address
Enter your email
Policy Start Date and Time*
Policy End Date and Time*
Registration Type*
2022-05-30 23:02:40
2023-05-29 23:59:40
Reset
Go to Vehicle Information


General
1 Personal Details
2 Vehicle Information
3 Upload Document
4 Delivery Method
5 Payment Options
GUEST
Cancel
Vehicle Information
Fuel Type*
Chassis Number *
Engine Number *
Select fuel type
Enter chassis number
Enter engine number
Cylinder Capacity*
Vehicle Make*
Vehicle Model*
Enter cylinder capacity
Select vehicle make
Select vehicle model
Fuel Type
Registered As
First First Registration Date *
5/30/2022
No Of Seats *
Are You The Owner Of The Vehicle? *
Enter no of seats
Name Of The Registered Owner *
Enter name of the registered owner
Reset
Go to Upload Document


Personal Details
Vehicle Information
Upload Document
Delivery Method
Payment Options
GUEST
Cancel
Select a Motor Card Delivery Method
Collect at Branch
No Additional Charges
Registered Post
Delivery Charges Starting from Rs 250.00
Courier
Delivery Charges Starting from Rs 500.00
Delivery Address*
Enter delivery address
Contact Number*
Enter phone number
District*
AMPARA
I certify that the above statement and particulars are and I have not suppressed any material face. I undertake that the motor vehicle to be insured will be maintained in good condition and not be driven by any person who to my knowledge has been refused has motor vehicle insurance or continuance thereof and I hereby agree that this declaration shall be held to promissory and shall form the basis of the contract between me and the SANASA general Insurance Co. Ltd. And I am willing to accept a policy, subject to the terms exceptions and conditions prescribed by the company therein and to play the premium thereon.
I Agree
Reset All
Go to Payment Options
Delivery Method | Registered Post Delivery Charge | LKR 350.00


Personal Details
Vehicle Information
Upload Document
Delivery Method
Payment Options
GUEST
Cancel
NIC Front*
Browse file to upload
+Upload a file
Please upload only PNG & PDF file formats
NIC Back*
Browse file to upload
+Upload a file
Please upload only PNG & PDF file formats
Vehicle CR*
Browse file to upload
+Upload a file
Please upload only PNG & PDF file formats
Others
Browse file to upload
+Upload a file
Please upload only PNG & PDF file formats
Reset
Go to Delivery Method