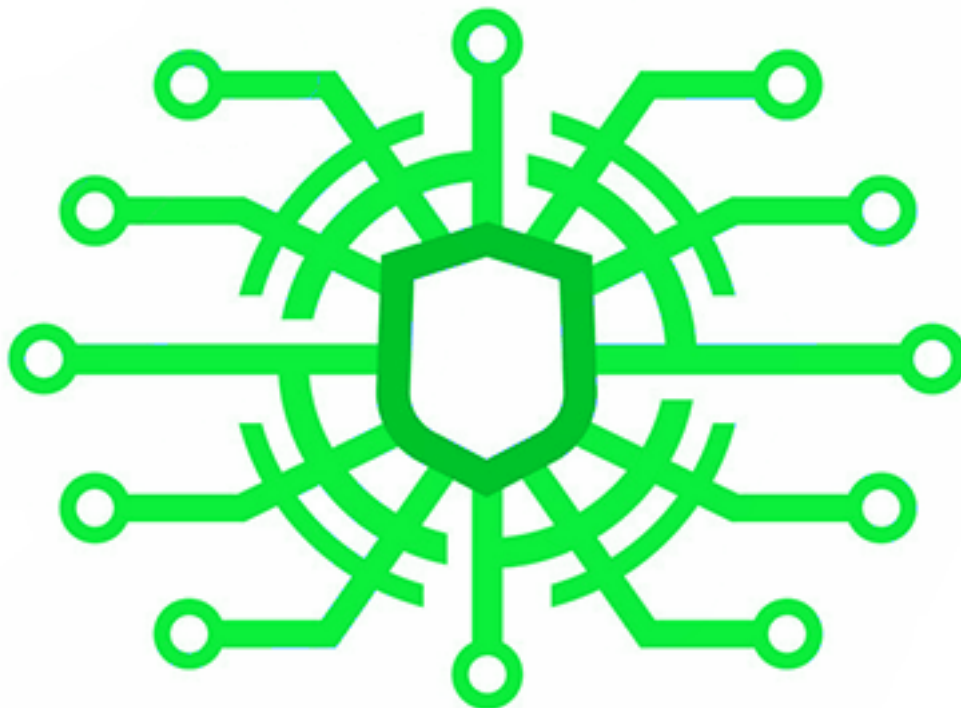


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*PROTECTION IS OUR BUSINESS*

## AEGIS Cyber Security Solutions

Protecting your assets and brand

SUBMITTED BY

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## TRELLO BOARD LINK

<https://trello.com/invite/b/mA2SLNvM/ATTI5380263ed5f97ad99c145679ddfde04b1CF2DC4C/css>

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## Requirement Analysis

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<b>Project Name</b>	AEGIS Cyber Security Solutions
<b>Prepared By</b>	Navin Dharmarajan (S222475715) Mahidhar (S222315268) SRI VARSHINI (S223001489) Samruddhi patil (S222141976)

## Document Revision History

Version No	Release Date	Description	Updated By	Reviewed By	Approved By
0.1	28/12/2022	SRS Framework and Structure 1-7	Navin	Mahidhar, SRI VARSHINI, Samruddhi patil	Mahidhar, SRI VARSHINI, Samruddhi patil
0.2	30/12/2022	Usecase Updation 8.1 -> 8.4	Mahidhar	Navin, SRI VARSHINI, Samruddhi patil	Navin, SRI VARSHINI, Samruddhi patil
0.3	01/01/2023	Usecase Updation 8.5 - 8.9	Samruddhi patil	Navin, SRI VARSHINI, Mahidhar	Navin, SRI VARSHINI, Mahidhar
0.4	03/01/2023	Usecase Updation 8.10 – 8.14	SRI VARSHINI	Navin, Samruddhi patil, Mahidhar	Navin, Samruddhi patil, Mahidhar

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0.5	04/01/2023	Review Fix	Mahidhar, SRI VARSHINI , Samruddhi patil, Navin		
0.6	05/01/2023	Other Headings	Navin	Mahidhar, SRI VARSHINI , Samruddhi patil	Mahidhar, SRI VARSHINI , Samruddhi patil
1.0	06/01/2023	Final Review and Update	Mahidhar, SRI VARSHINI , Samruddhi patil, Navin		

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## 1 Introduction

## 2 Purpose and Scope

This document contains a detailed description of the e-services portal. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, list of services provided. the constraints under which it must operate and how the system will react to external stimuli. This document is intended for both the SIT725 stakeholders and the development and implementation team of the system and will be proposed to the SIT725 hierarchy for its approval.

## 3 Intended Audience and Reading Suggestions

- ❖ SIT725 Team
- ❖ Development & Implementation team
- ❖ End Users

## 4 References

1. SIT725 Lecture 2 Task Document.

## 5 Definitions, Acronyms, and Terminology

ITEM	DESCRIPTION/EXPANSION
FAQ	Frequently asked questions
CSS	Cyber security solutions
NVSM	Name of website

## 6 Overall Description

As technology grows, the need of security for data grows rapidly. In order to help the small-scale industries/ startups, that cannot afford to have to separate security wing, **CSS** provides the required solutions to meet their needs/security requirements.

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## 7 System Features / Product Scope

### CYBER SECURITY SOLUTIONS

- ❖ Home Page / Landing Page
- ❖ Login page/Logout page
- ❖ FAQ
- ❖ E-services
  - Firewall configuration
  - Router/Switch configuration
  - Network security analysis
- ❖ Customer page
  - My services
    - ✓ Services opted
    - ✓ Quoted
    - ✓ Work in progress
  - My bills
  - My payments
  - My incident reports
- ❖ Admin page
  - Login page
  - Customers
  - Incident reports
    - Listing
    - Viewing
    - Entering
- ❖ Payments

## 8 Detail Requirements

### 8.1 Home Page / Landing Page

This page will be the first page that the user views once he has accessed the website/portal. This page will have various options like Login, Register, and the list of services provided by NVSM.

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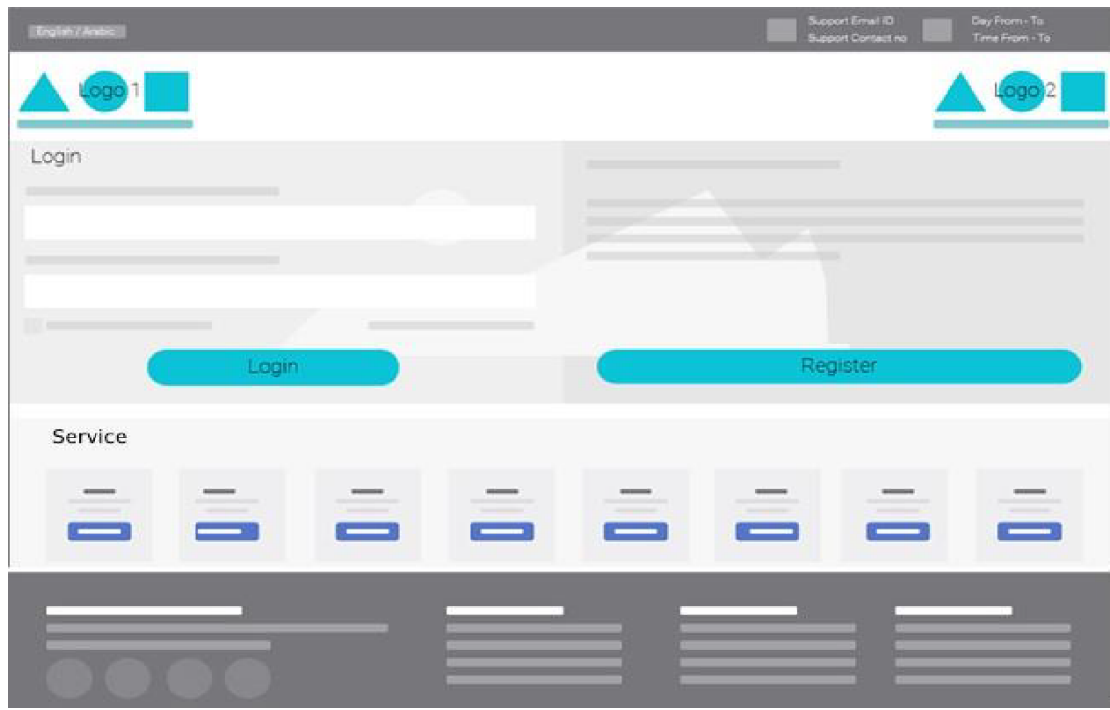
## Use case

Name	Home page
ID	UC-HOMEPAGE
Description	The home page/ Landing page is the first page the user sees once they have accessed the portal URL.
Actors	Public
Organizational Benefits	This process will aid user to get a brief about the various services s provided by the portal and will be able to register and login to use the services provided at ease.
Pre-Conditions	User should have access to Internet and have the Portal URL
Post-Conditions	
Normal Flow	Enter the portal URL on the web browser
Alternative flow	User can contact the company for initial queries
Exception Flow	
Business Rules	

## Wire frame



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## 8.2 Login Page

All registered users can log in to the system using this service

Name	Login page
ID	UC-LOGIN-LO
Description	<p>This process for login to the NVSM portal for the public to gain access to different features of the system.</p> <p>Forgot password feature should be available to get a new password if the user forgets the password.</p>
Actors	Public
Organizational Benefits	This process will help the user to have authorized access to the system securely.
Pre-Conditions	<p>The username and password should be configured for the users.</p> <p>The login page should be available.</p>
Post-Conditions	<p>1.The user should have already been registered with the system through the registration process.</p> <p>2.Login to the system to gain access to other functionality of the system</p>
Normal Flow	1. Open the website.

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	<ol style="list-style-type: none"> <li>2. Navigate to the Login page.</li> <li>3. Enter valid Username and Password.</li> <li>4. Click on login button.</li> <li>5. System verifies the credentials and provides access to the system.</li> </ol>
Alternative flow	<ol style="list-style-type: none"> <li>1. <b>Invalid credentials.</b> <ol style="list-style-type: none"> <li>1. Enter invalid credentials.</li> <li>2. System verifies the credentials and prompts an alert message saying "Please enter valid credentials".</li> </ol> </li> <li>2. <b>User forgets password.</b> <ol style="list-style-type: none"> <li>1. Click on Forgot password button.</li> <li>2. System will ask for valid username and email id.</li> <li>3. Enter the user id and email id.</li> <li>4. User will receive a password reset link in the email.</li> <li>5. Click on the password reset link and user will be redirected to the password reset page.</li> <li>6. Once reset is completed, navigate to login page</li> <li>7. Enter the new password and login.</li> </ol> </li> </ol>
Exception Flow	
Business Rules	<ol style="list-style-type: none"> <li>1. User should be able to login only if valid user name and password is entered.</li> <li>2. User should be able to access the features only which they access rights.</li> </ol>

## Wire frame

## 8.3 FAQ

The FAQ provides all the general questions asked by the public along with the solutions for the same.

## Use Case

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Name	FAQ
ID	UC-FAQ
Description	This screen will display all the questions asked by the public along with the solutions for the same.
Actors	Public
Organizational Benefits	This process will aid user to no solution for a known issue.
Pre-Conditions	User should have access to the portal URL.
Post-Conditions	
Normal Flow	<ol style="list-style-type: none"> <li>1. The user should have access to the Portal URL</li> <li>2. Select FAQ</li> <li>3. The user will be redirected to the FAQ page</li> </ol>
Alternative flow	<ol style="list-style-type: none"> <li>1. User should have access to the Portal URL</li> <li>2. Log in to the portal.</li> <li>3. Select FAQ.</li> <li>4. User will be redirected to the FAQ page</li> </ol>
Exception Flow	
Business Rules	User should be able to read the FAQ.

## Wire frame

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# 8.4 E-services

This page will display all the e-services provided by NVSM. User can select any required services from the list provided.

## Use Case

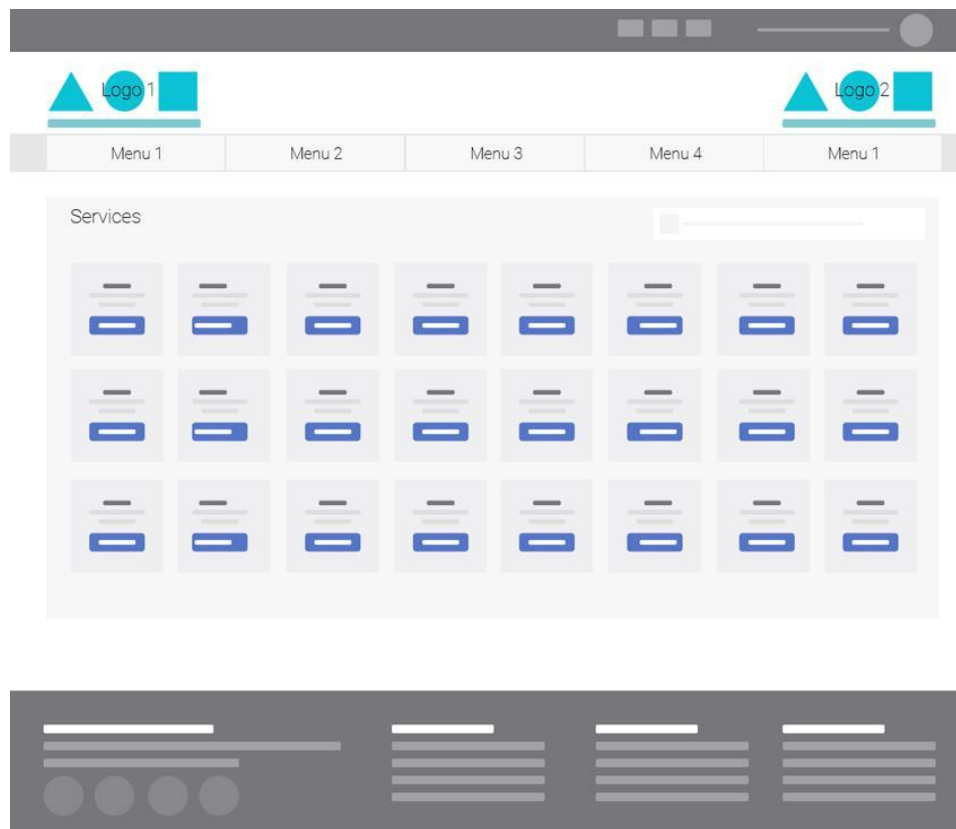
Name	E-services
ID	UC-E services
Description	This screen allows users to select any services offered by NVSM.
Actors	Public
Organizational Benefits	This process will help the user to have access to all their task created in the system.
Pre-Conditions	Logged into the NVSM e-service portal.
Post-Conditions	
Normal Flow	<ol style="list-style-type: none"> <li>1. Log in to the e-service portal.</li> <li>2. Click on the Services from the navigation menu.</li> <li>3. List all the e-services provided by NVSM</li> <li>4. Users can select a particular service that they want to avail.</li> <li>5. User will be redirected to that service catalog page.</li> </ol>

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Alternative flow	<b>Dashboard Widget</b> 1. Log in to the e-service portal. 2. E-Services widget display all the important services offered by PAW. 3. On clicking to view more, the user will be redirected to the E-services listing page where all the services offered will be listed.
Exception Flow	
Business Rules	1. User should only be able to request for the services that they are eligible for. 2. Services should be displayed according to the type of users.

## Wire Frame



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#### 8.4.1 Firewall Configuration

This page will show the users the list of firewall models, and the amount that will be charged for the configuration. the users can select from the list that they want to be configured.

##### Use Case

Name	Firewall Configuration
ID	UC- Firewall configuration
Description	This screen allows users to select firewall configuration services offered by NVSM.
Actors	Public
Organizational Benefits	This process will help the user to opt for the services required.
Pre-Conditions	<ol style="list-style-type: none"> <li>1. Logged into the NVSM e-service portal.</li> <li>2. Select a particular e-service</li> </ol>
Post-Conditions	
Normal Flow	<ol style="list-style-type: none"> <li>1. Log in to the e-service portal.</li> <li>2. Click on the Services from the navigation menu.</li> <li>3. List all the e-services provided by NVSM</li> <li>4. Users can select firewall from the list (Cisco, watch guard etc.)that they want to configure.</li> <li>5. User will be redirected to that service catalog page.</li> <li>6. User can view all the details regarding that e-services.</li> <li>7. Once the user has agreed to the terms and condition, the user can initiate the service by clicking the proceed button.</li> <li>8. User will be redirected to the e-service form, where the user will fill in all the required data and submit the form.</li> </ol>
Alternative flow	<b>Dashboard Widget</b> <ol style="list-style-type: none"> <li>1. Log in to the e-service portal.</li> <li>2. Firewall configuration widget display all the important services offered by NVSM.</li> <li>3. On clicking to view more, the user will be redirected to the listing page where all the services offered will be listed.</li> <li>4. Users can select a particular service that they want to avail.</li> <li>5. User will be redirected to that service catalog page.</li> <li>6. User can view all the details regarding that e-service.</li> <li>7. Once the user has agreed to the terms and conditions, the user can initiate the service by clicking the proceed button.</li> </ol>

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	8. User will be redirected to the e-service form, where the user will fill in all the required data and submit the form.
Exception Flow	
Business Rules	<ol style="list-style-type: none"> <li>1. Users should only be able to request the services that they are eligible for.</li> <li>2. Services should be displayed according to the type of users.</li> <li>3. Users should only be allowed to enter the service form unless they have agreed to the terms.</li> </ol>

#### **Wire Frame:**



#### **8.4.2 Router/Switch configuration**

This page will show the users regarding the router/ switch configurations

#### **Use Case**

Name	E-services
ID	UC-Router/Switch configuration
Description	This screen allows the users to select services offered by NSVM.
Actors	Public
Organizational Benefits	This process will help the user to opt for the services required.
Pre-Conditions	<ol style="list-style-type: none"> <li>1. Logged into the NVSM e-service portal.</li> <li>2. Select a particular e-service for router/ switch configuration</li> </ol>
Post-Conditions	
Normal Flow	<ol style="list-style-type: none"> <li>1. Log in to the e-service portal.</li> <li>2. Click on the Services from the navigation menu.</li> <li>3. List all the e-services provided by NVSM</li> <li>4. Users can select a particular router (cisco, Huawei etc.) that they want to configure.</li> <li>5. User will be redirected to that service catalog page.</li> </ol>

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	<ol style="list-style-type: none"> <li>User can view all the details regarding that e-services.</li> <li>Once the user has agreed to the terms and condition, the user can initiate the service by clicking the proceed button.</li> <li>User will be redirected to the e-service form, where the user will fill in all the required data and submit the form.</li> </ol>
Alternative flow	<p><b>Dashboard Widget</b></p> <ol style="list-style-type: none"> <li>Log in to the e-service portal.</li> <li>Router/ Switch configuration widget display all the important services offered by NVSM.</li> <li>On clicking to view more, the user will be redirected to the listing page where all the services offered will be listed.</li> <li>Users can select a particular service that they want to avail.</li> <li>User will be redirected to that service catalog page.</li> <li>User can view all the details regarding that e-service.</li> <li>Once the user has agreed to the terms and conditions, the user can initiate the service by clicking the proceed button.</li> <li>User will be redirected to the e-service form, where the user will fill in all the required data and submit the form.</li> </ol>
Exception Flow	
Business Rules	<ol style="list-style-type: none"> <li>Users should only be able to request the services that they are eligible for.</li> <li>Services should be displayed according to the type of users.</li> <li>Users should only be allowed to enter the service form unless they have agreed to the terms.</li> </ol>

## 8.5 Customer page

This page will show the users list of the services they have opted for. Also, will display the bill and payments which are made or are to be done further. Along with this customer page will also show the incident reports users have created.

### Use case

Name	Customer Page
ID	UC-CUSTOMER-PG
Description	This screen gives the information about the services opted by the users. Also gives the access to the details of bills, payments and incident reports made by the customers.
Actors	Public



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Organizational Benefits	This process will help the user to have authorized access to the bills and finances made earlier also the services opted and incident reports made.
Pre-Conditions	User should have logged into the NVSM customer service portal.
Post-Conditions	
Normal flow	<ol style="list-style-type: none"> <li>1. Log in to the Customer page portal.</li> <li>2. Click on the customer page from the navigation menu</li> <li>3. Users can investigate a particular service they have already opted for or can also check bills, payments, incident reports made.</li> <li>4. User will be redirected to that customer page catalog.</li> </ol>
Alternative flow	<ol style="list-style-type: none"> <li>1. <b>Invalid credentials.</b> <ol style="list-style-type: none"> <li>1. Enter invalid credentials.</li> <li>2. System verifies the credentials and prompts an alert message saying "Please enter valid credentials".</li> </ol> </li> <li>2. <b>User forgets password.</b> <ol style="list-style-type: none"> <li>1. Click on Forgot password button.</li> <li>2. System will ask for valid username and email id.</li> <li>3. Enter the user id and email id.</li> <li>4. User will receive a password reset link in the email.</li> <li>5. Click on the password reset link and user will be redirected to the password reset page.</li> <li>6. Once reset is completed, navigate to login page</li> <li>7. Enter the new password and login.</li> </ol> </li> </ol>
Exceptional flow	
Business Rules	<ol style="list-style-type: none"> <li>1. User would only be able to investigate the history of the bills payments and the services opted.</li> <li>2. All Services opted, and all the bills and financial payments and incident reports should be displayed according to the what user have done earlier.</li> </ol>

## 8.6 My services

This page will display all the services that the customers have been opted for and the users can investigate and look into list of each service they have taken.

## Use Case

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Name	Customer Page
ID	UC-MY SERVICES
Description	This screen gives the information about the services opted by the users.
Actors	Public
Organizational Benefits	This process will help the user to have authorized access to each service they have opted for
Pre-Conditions	1.User should have logged into the NVSM customer service portal. 2. Select my services page.
Post-Conditions	
Normal flow	<ol style="list-style-type: none"> <li>1. Log in to the Customer page portal.</li> <li>2. Click on the customer page from the navigation menu</li> <li>3. List of all the services opted by the user is displayed</li> <li>4. User can select any to their opted services.</li> <li>5. User will be redirected to that service catalog.</li> <li>6. User can also check services quoted and work in progress of each service user have selected.</li> </ol>
Alternative flow	
Exceptional flow	
Business Rules	<ol style="list-style-type: none"> <li>1. User would only be able to investigate the history of the bills payments and the services opted.</li> <li>2. All Services opted and all the bills and financial payments and incident reports should be displayed according to the what user have done earlier.</li> </ol>

## 8.7 My Bills

### Use Case

Name	My Bills
ID	UC-My bills
Description	This screen allows the customers to list and view the bills.
Actors	Public
Organizational Benefits	This process will help the users to access the bills details they have made earlier.
Pre-Conditions	<ol style="list-style-type: none"> <li>1. Logged into customer Page</li> <li>2. Select the My bills Page</li> </ol>

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Post-Conditions	
Normal Flow	<ol style="list-style-type: none"> <li>1. Log in to the Customer page</li> <li>2. Click on my bills from the navigation menu.</li> <li>3. List all the bills registered for the NVSM</li> <li>4. User can select a particular bill that they want to investigate.</li> <li>5. Users will be redirected to that page where each invoice is located.</li> <li>6. Customers can view all the details regarding those bills and payments made.</li> </ol>
Alternative flow	<b>Dashboard Widget</b> <ol style="list-style-type: none"> <li>1. Log in to the NVSM portal.</li> <li>2. On clicking to view more, the users will be redirected to the listing page where all the invoices are located.</li> <li>3. User can select a particular bill that they want to look into.</li> <li>4. User will be redirected to particular invoice page.</li> <li>5. User can view all the details regarding that bill made.</li> </ol>
Exception Flow	
Business Rules	<ol style="list-style-type: none"> <li>1. Customers should be able to access all the invoices.</li> <li>2. Customers should be able to list, view each bills.</li> </ol>

## 8.8 My Payments

### Use Case

Name	My Payments
ID	UC-My Payments
Description	This screen allows the customers to list ,view and allows to do the payments.
Actors	Public
Organizational Benefits	This process will help the users to access the payment methods and payment details they have made earlier.
Pre-Conditions	<ol style="list-style-type: none"> <li>1. Logged into customer Page</li> <li>2. Select the My Payments Page</li> </ol>
Post-Conditions	
Normal Flow	<ol style="list-style-type: none"> <li>1. Log in to the Customer page</li> <li>2. Click on my payment from the navigation menu.</li> <li>3. List of all the payment methods will be displayed.</li> </ol>

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	<ol style="list-style-type: none"> <li>User can select a particular payment method that they want to avail.</li> <li>Users will be redirected to that page where each payment to be made is located.</li> <li>Customers can view all the details regarding those payments made.</li> </ol>
Alternative flow	<b>Dashboard Widget</b> <ol style="list-style-type: none"> <li>Log in to the NVSM portal.</li> <li>On clicking to view more, the users will be redirected to the listing page where all the invoices are located.</li> <li>User can select a particular payment that they want to look into.</li> <li>User will be redirected to particular payment method.</li> <li>User can view all the details regarding that payment made.</li> </ol>
Exception Flow	
Business Rules	<ol style="list-style-type: none"> <li>Customers should be able to access all the payments.</li> <li>Customers should be able to list, view each payment done.</li> </ol>

## 8.9 My Incident Reports

### Use Case

Name	Customer Page
ID	UC-My Incident Reports.
Description	This screen allows the admin to list, view and enter the incident reports
Actors	Public
Organizational Benefits	This process will help the admin to access the customers information
Pre-Conditions	<ol style="list-style-type: none"> <li>Log into Customer Page</li> <li>Select the Incident reports Page</li> </ol>
Post-Conditions	
Normal Flow	<ol style="list-style-type: none"> <li>Log in to the Customer Page</li> <li>Click on the Incident Reports from the navigation menu.</li> <li>List all the Incident Reports registered for the NVSM</li> <li>Admin can select a particular Incident report that they want to avail.</li> <li>User will be redirected to that particular incident report page.</li> <li>User can view all the details regarding that incident report.</li> <li>Customer can also enter the data in the Incident Reports page</li> </ol>

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Alternative flow	<b>Dashboard Widget</b> 1. Log in to the NVSM portal. 2. On clicking to view more, the users will be redirected to the listing page where all the Incident Reports. 3. User can select a particular Incident Report that they want to avail 4. User will be redirected to that particular Incident Reports page. 5. User can view all the details regarding the Incident Reports 6. User can also enter the data in the Incident Reports page
Exception Flow	
Business Rules	1. Customers should be able to access all the Incident Reports information 2. Customers should be able to list, view and enter the incident reports.

#### 8.10 Admin Page

This page will show the admin list of the services in the website. Also, will display the transaction of the customers payments which are made or are to be done further.

#### 8.11 Login Page

##### Use Case

Name	Login page
ID	UC-LOGIN-LO
Description	This process for login to the NVSM portal for the admin to gain access to different features of the system. Forgot password feature should be available to get a new password if the admin forgets the password.
Actors	Admin
Organizational Benefits	This process will help the admin to have authorized access to the system securely.
Pre-Conditions	The username and password should be configured for the admin. The login page should be available.
Post-Conditions	1. The admin should have already be registered with the system through the registration process.

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	2. Login to the system to gain access to other functionality of the system
Normal Flow	<ol style="list-style-type: none"> <li>1. Open the website.</li> <li>2. Navigate to the Admin Login page.</li> <li>3. Enter valid Username and Password.</li> <li>4. Click on login button.</li> <li>5. System verifies the credentials and provides access to the system.</li> </ol>
Alternative flow	<ol style="list-style-type: none"> <li>1. <b>Invalid credentials.</b> <ol style="list-style-type: none"> <li>1. Enter invalid credentials.</li> <li>2. System verifies the credentials and prompts an alert message saying "Please enter valid credentials".</li> </ol> </li> <li>2. <b>User forgets password.</b> <ol style="list-style-type: none"> <li>1. Click on Forgot password button.</li> <li>2. System will ask for valid username and email id.</li> <li>3. Enter the user id and email id.</li> <li>4. User will receive a password reset link in the email.</li> <li>5. Click on the password reset link and user will be redirected to the password reset page.</li> <li>6. Once reset is completed, navigate to login page</li> <li>7. Enter the new password and login.</li> </ol> </li> </ol>
Exception Flow	
Business Rules	<ol style="list-style-type: none"> <li>1. Admin should be able to login only if valid username and password is entered.</li> <li>2. Admin should be able to access the features only which they access rights.</li> </ol>

### 8.12 Customers Page

This page will display all the customers registered in the website

Name	Customers
ID	UC-CUSTOMERS
Description	This screen will display all the customers of the NVSM
Actors	Admin
Organizational Benefits	This process will help the admin to know the details of the customers, their incidents, transactions
Pre-Conditions	<ol style="list-style-type: none"> <li>1. Log in to Admin Page</li> <li>2. Select the customers page</li> </ol>
Post-Conditions	<ol style="list-style-type: none"> <li>1. The admin should have already be registered with the system through the registration process.</li> </ol>

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	2. Login to the system to gain access to other functionality of the system
Normal Flow	<ol style="list-style-type: none"> <li>1. Open the website.</li> <li>2. Navigate to the Admin Login page.</li> <li>3. Enter valid Username and Password.</li> <li>4. Click on login button.</li> <li>5. System verifies the credentials and provides access to the system.</li> </ol>
Alternative flow	<ol style="list-style-type: none"> <li>1. <b>Invalid credentials.</b> <ol style="list-style-type: none"> <li>1. Enter invalid credentials.</li> <li>2. System verifies the credentials and prompts an alert message saying "Please enter valid credentials".</li> </ol> </li> <li>2. <b>User forgets password.</b> <ol style="list-style-type: none"> <li>1. Click on Forgot password button.</li> <li>2. System will ask for valid username and email id.</li> <li>3. Enter the user id and email id.</li> <li>4. User will receive a password reset link in the email.</li> <li>5. Click on the password reset link and user will be redirected to the password reset page.</li> <li>6. Once reset is completed, navigate to login page</li> <li>7. Enter the new password and login.</li> </ol> </li> </ol>
Exception Flow	
Business Rules	<ol style="list-style-type: none"> <li>1. Admin should be able to login only if valid username and password is entered.</li> <li>2. Admin should be able to access the features only which they access rights.</li> </ol>

### 8.13 Incident Reports

This page will display the incident reports that the customers have submitted

#### Use Case

Name	Incident Reports
ID	UC-Router/Switch configuration
Description	This screen allows the admin to list, view and enter the incident reports
Actors	Admin

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Organizational Benefits	This process will help the admin to access the customers information
Pre-Conditions	<ol style="list-style-type: none"> <li>1. Logged into Admin Page</li> <li>2. Select the Incident reports Page</li> </ol>
Post-Conditions	
Normal Flow	<ol style="list-style-type: none"> <li>1. Log in to the Admin Page</li> <li>2. Click on the Incident Reports from the navigation menu.</li> <li>3. List all the Incident Reports registered for the NVSM</li> <li>4. Admin can select a particular Incident report that they want to avail.</li> <li>5. Admin will be redirected to that particular incident report page.</li> <li>6. Admin can view all the details regarding that incident report.</li> <li>7. Admin can also enter the data in the Incident Reports page</li> </ol>
Alternative flow	<b>Dashboard Widget</b> <ol style="list-style-type: none"> <li>1. Log in to the e-service admin portal.</li> <li>2. Router/ Switch configuration widget display all the important services offered by NVSM.</li> <li>3. On clicking to view more, the admin will be redirected to the listing page where all the Incident Reports.</li> <li>4. Admin can select a particular Incident Reports that they want to avail.</li> <li>5. Admin will be redirected to that particular Incident Reports page.</li> <li>6. Admin can view all the details regarding that Incident Reports</li> <li>7. Admin can also enter the data in the Incident Reports page</li> </ol>
Exception Flow	
Business Rules	<ol style="list-style-type: none"> <li>1. Admin should be able to access all the Incident Reports information</li> <li>2. Admin should be able to list, view and enter the incident reports</li> </ol>

#### 8.14 Payments

This page will display the transactions of the customers

##### Use Case

Name	Payments
ID	Payments



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Description	This screen allows the admin to list and view all the transactions of the customers.
Actors	Admin
Organizational Benefits	This process will help the admin to access the transaction history of each and every customer.
Pre-Conditions	1. Logged into Admin Page 2. Select the Payments Page
Post-Conditions	
Normal Flow	1. Log in to the admin page 2. Click on my payment from the navigation menu. 3. List of all the payment methods will be displayed. 4. Admin can select a particular customer transaction that they want to avail. 5. Admin will be redirected to that page where transaction details of a particular customer will be there. 6. Admin can view all the details regarding those payments made.
Alternative flow	<b>Dashboard Widget</b> 1. Log in to the NVSM portal. 2. On clicking to view more, the admin will be redirected to the listing page where all the invoices are located. 3. Admin can select a particular payment that they want to investigate. 4. Admin can view and make any changes to the payment methods.
Exception Flow	
Business Rules	1. Admin should be able to access all the transaction history 2. Admin should be able to list, view each payment done.

## 9 Out of Scope

Anything that is not mentioned under the Detailed section is considered out of scope.

## 10 External Interface Requirements

1. Payment gateway

## 11 Non-Functional Requirements

- System should be available 24/7.
- System down time should not exceed 5 Mins.

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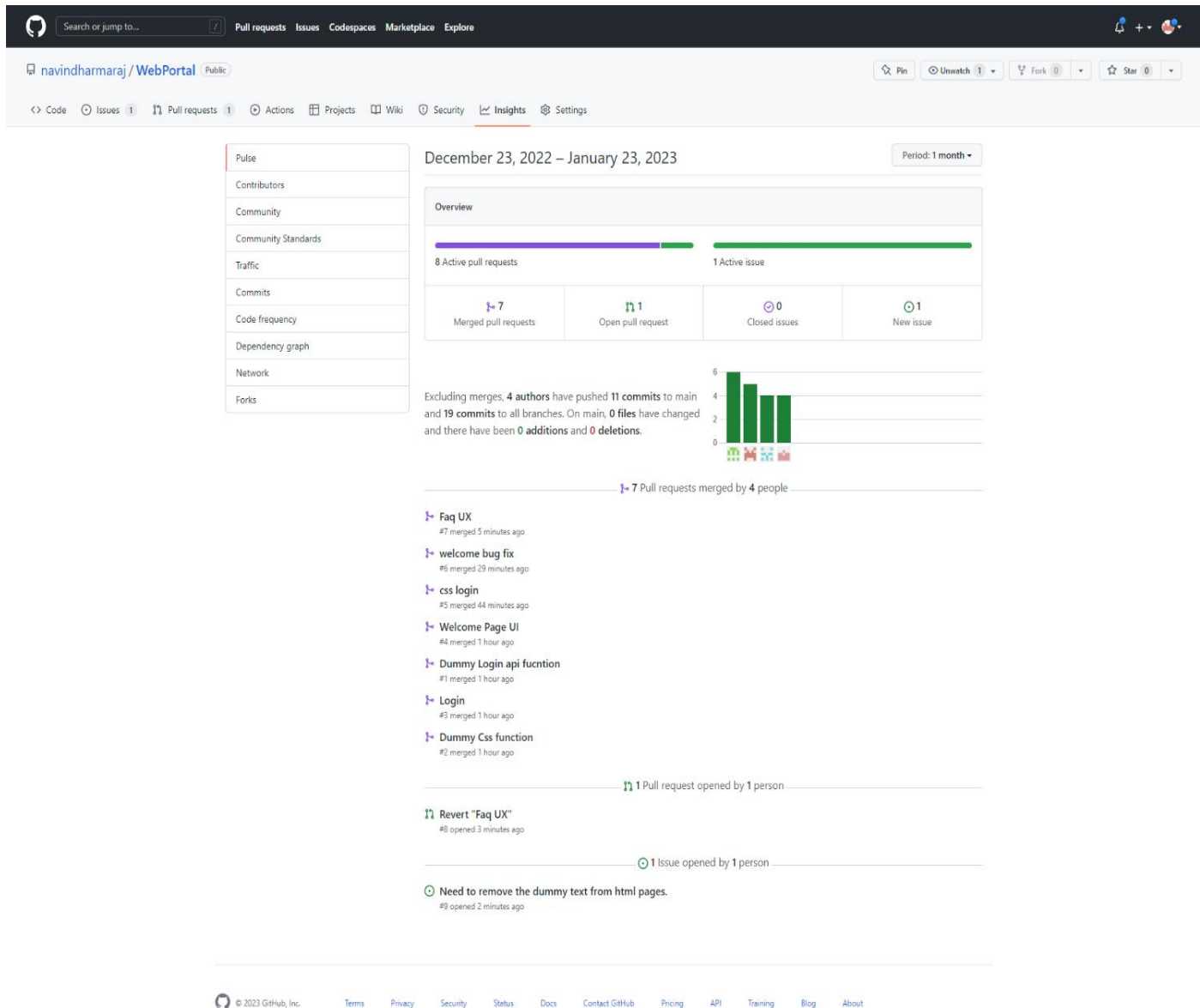
- Payment gateway should be disabled 1 hour prior to scheduled downtime.
- Schedule downtime information should be available to the users of the system.
- Website pages should load in less than a second.
- Website should support Chrome, Firefox, and Safari browsers.

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## 12 Appendix 1: Sprint 1 Review

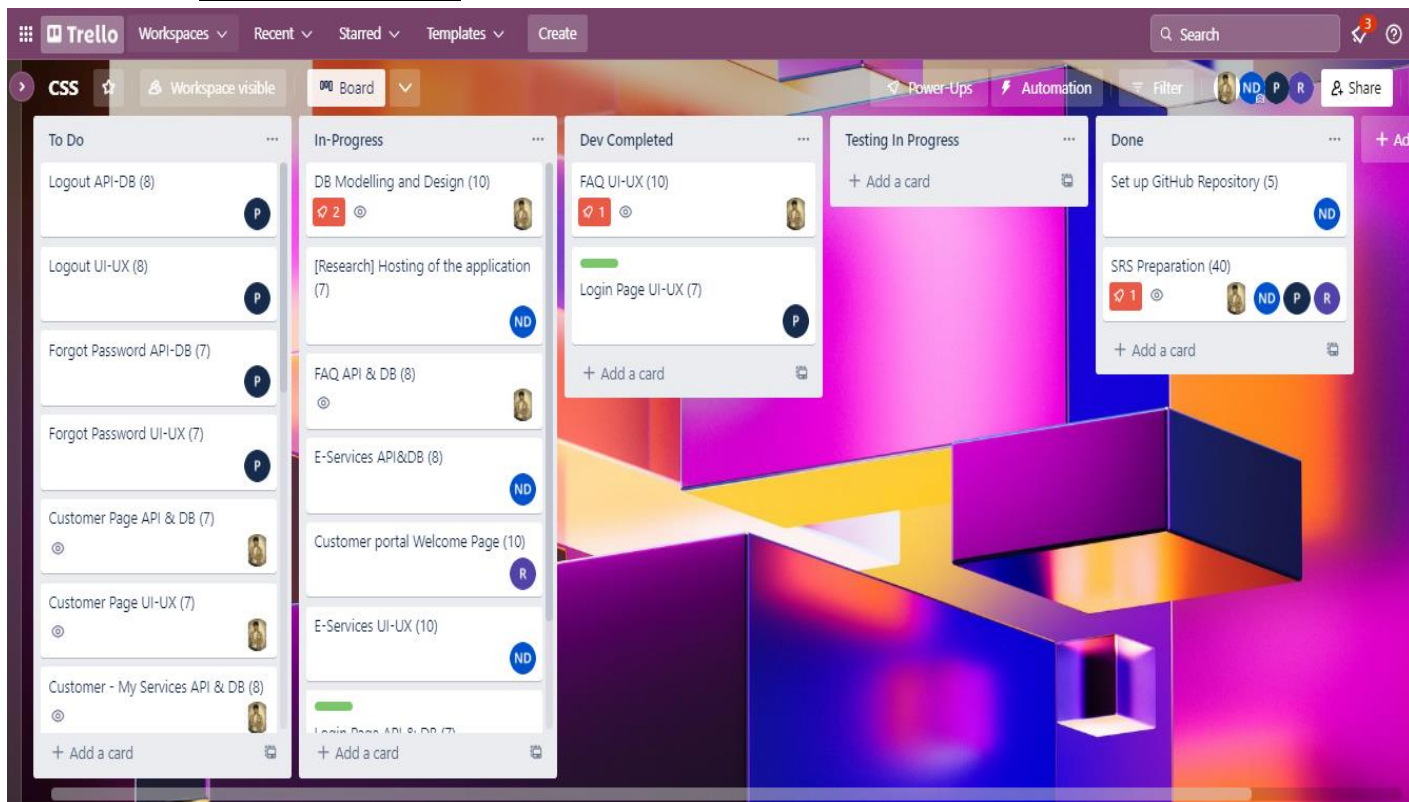
### 12.1 Git contributions



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## 12.2 Trello board status



## 12.3 Completed tasks

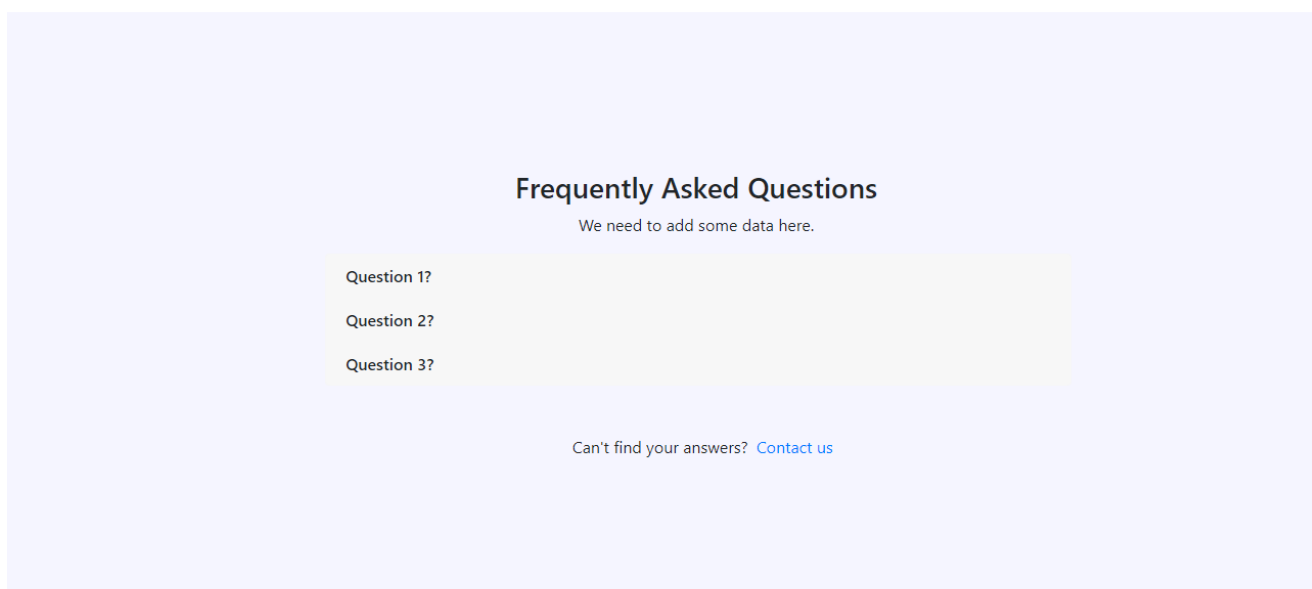
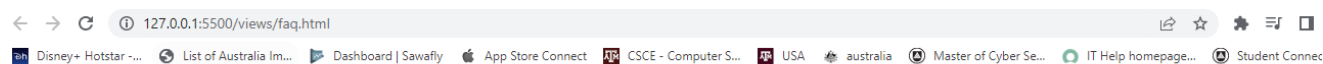
Navin Dharmarajan	Creation Of Git	100%	Completed
	E- Services	10%	Not yet fully processed
Sri Varshini	Welcome Page	50%	Html & CSS for e-service section is pending to match the real design
Mahidhar Reddy	FAQ	50%	UI/UX has been accomplished
	DB Modelling & Discussion	30%	Yet to finalize the table for customer and data collection

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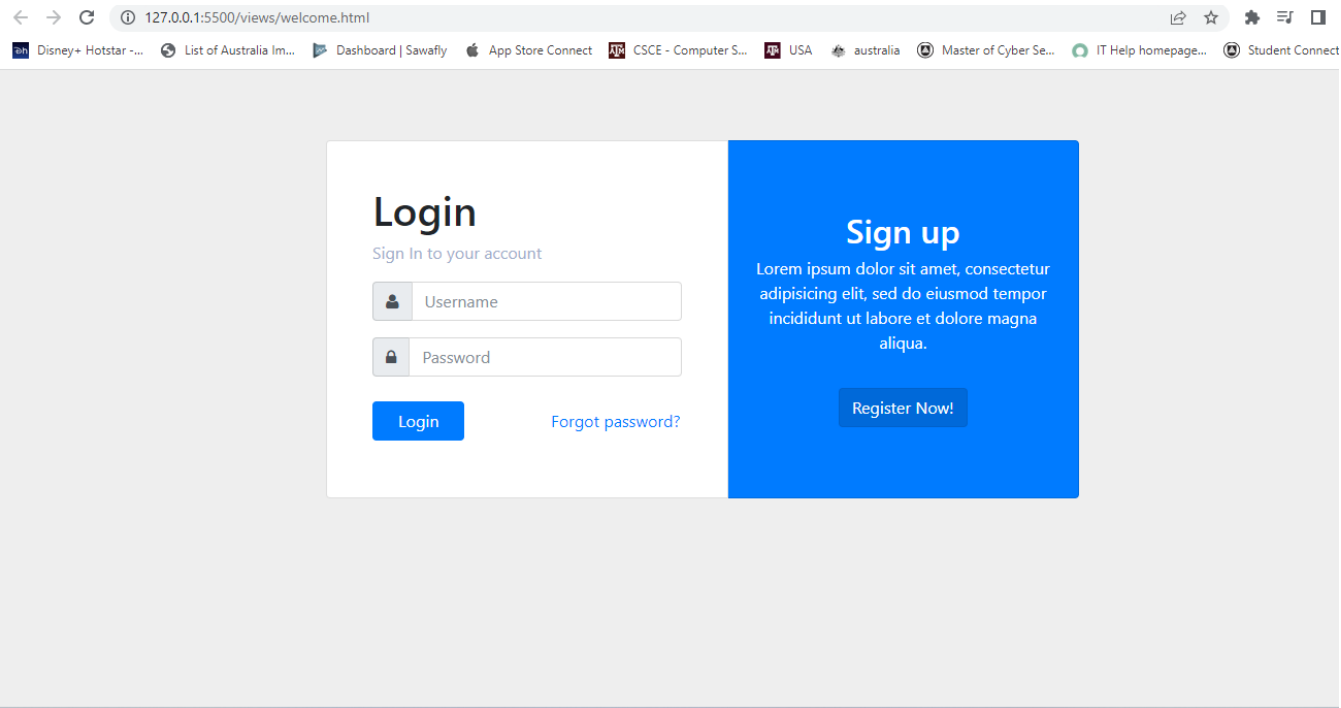


Samruddhi Patil	Login Page	55%	Waiting for DB design to complete DB call
-----------------	------------	-----	---

## 12.4 Screen shots of current application



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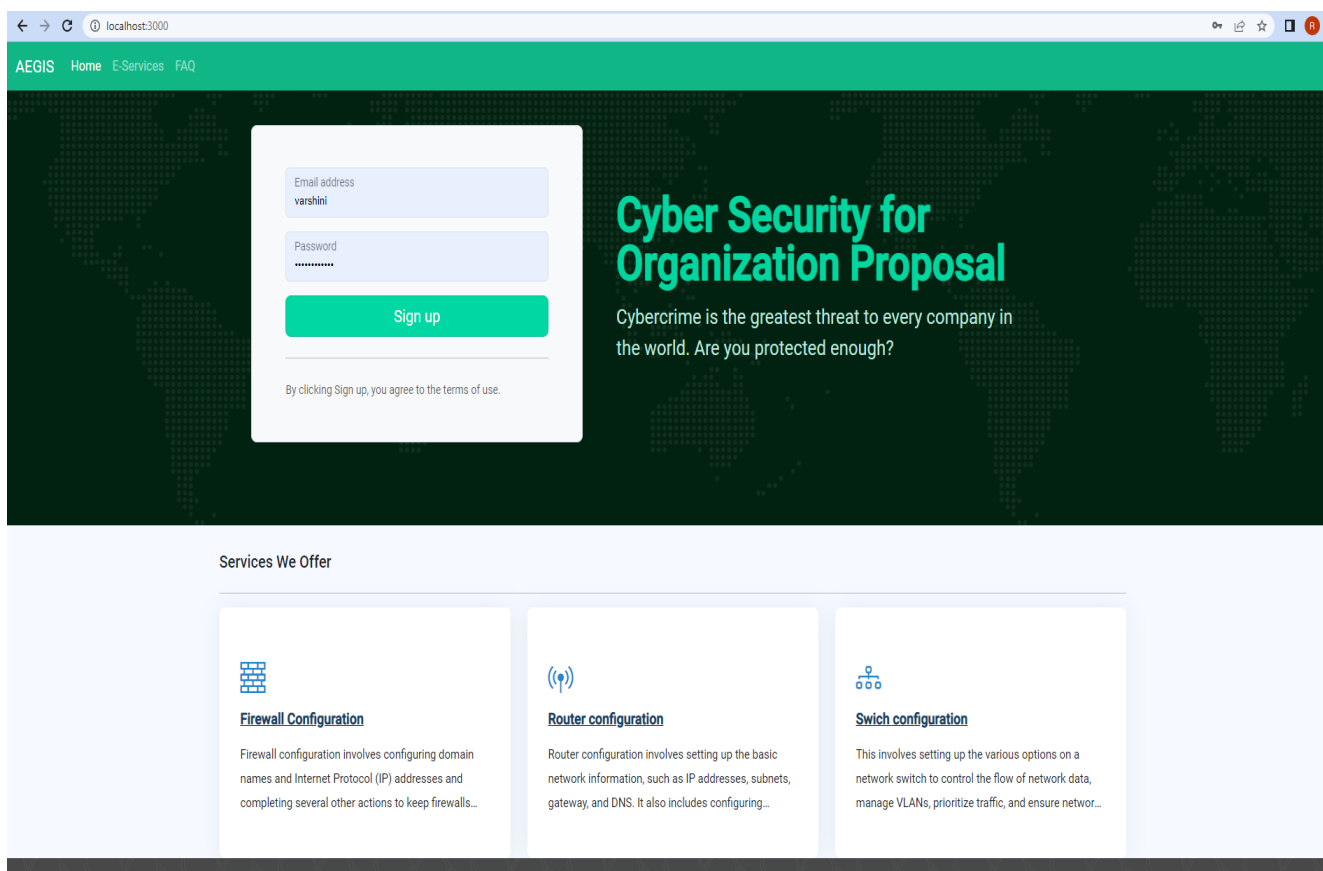
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## SPRINT 2 REVIEW

Up to this point, my time spent contributing to the completion of the project as part of the team has been quite rewarding. Everyone contributed significantly to the overall success of the project by the roles that they played in its completion.

The current status of our project is as follows. These images depict our project's homepage, E-services page, and FAQ page.




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← → localhost:3000/eservice


AEGIS Home E-Services FAQ

### Services We Offer




#### Firewall Configuration

Firewall configuration involves configuring domain names and Internet Protocol (IP) addresses and completing several other actions to keep firewalls...



#### Router configuration

Router configuration involves setting up the basic network information, such as IP addresses, subnets, gateway, and DNS. It also includes configuring...



#### Switch configuration

This involves setting up the various options on a network switch to control the flow of network data, manage VLANs, prioritize traffic, and ensure network...

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← → localhost:3000/faq

AEGIS Home E-Services FAQ

### F.A.Q

cyber security vs digital security

Generally speaking, Digital Security is limited to only data or bit-type assets. Cyber Security on the other hand has many domains (the (ISC)2 defines 8 domains for the CISSP) and includes things like operational or business security. This can include things under the 'security' structure that have nothing at all to do with Digital Security, such as insurance.

what is malware?

what is ransomware?

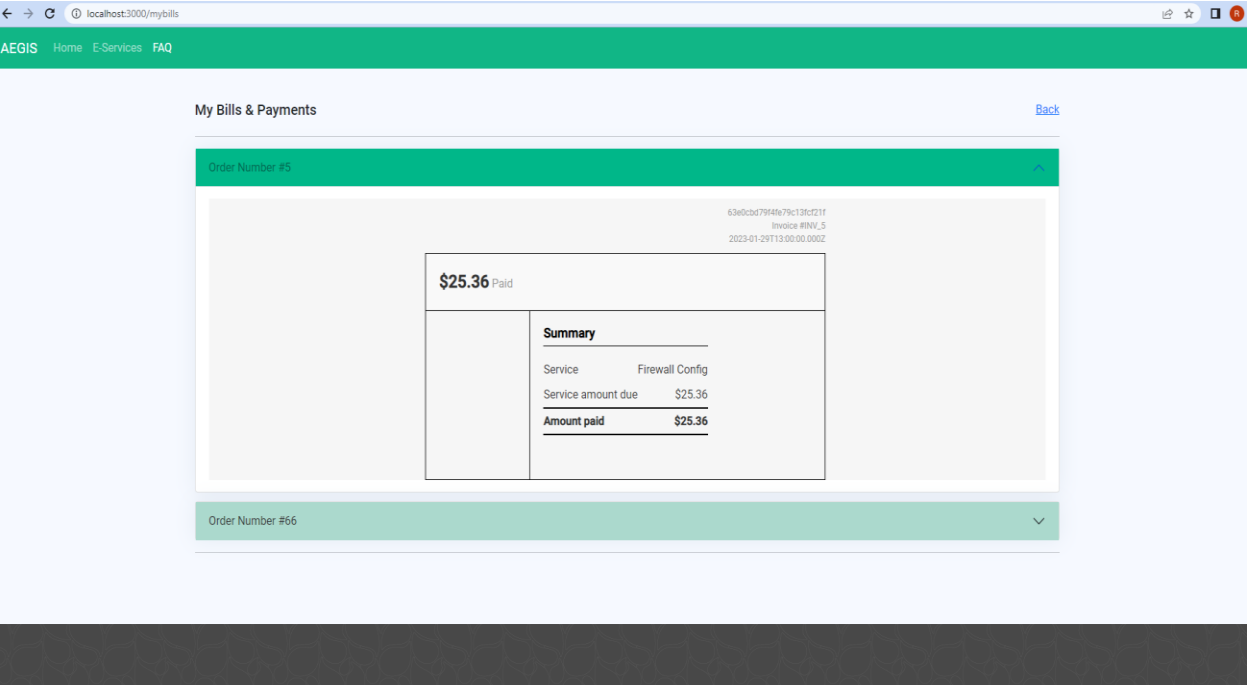
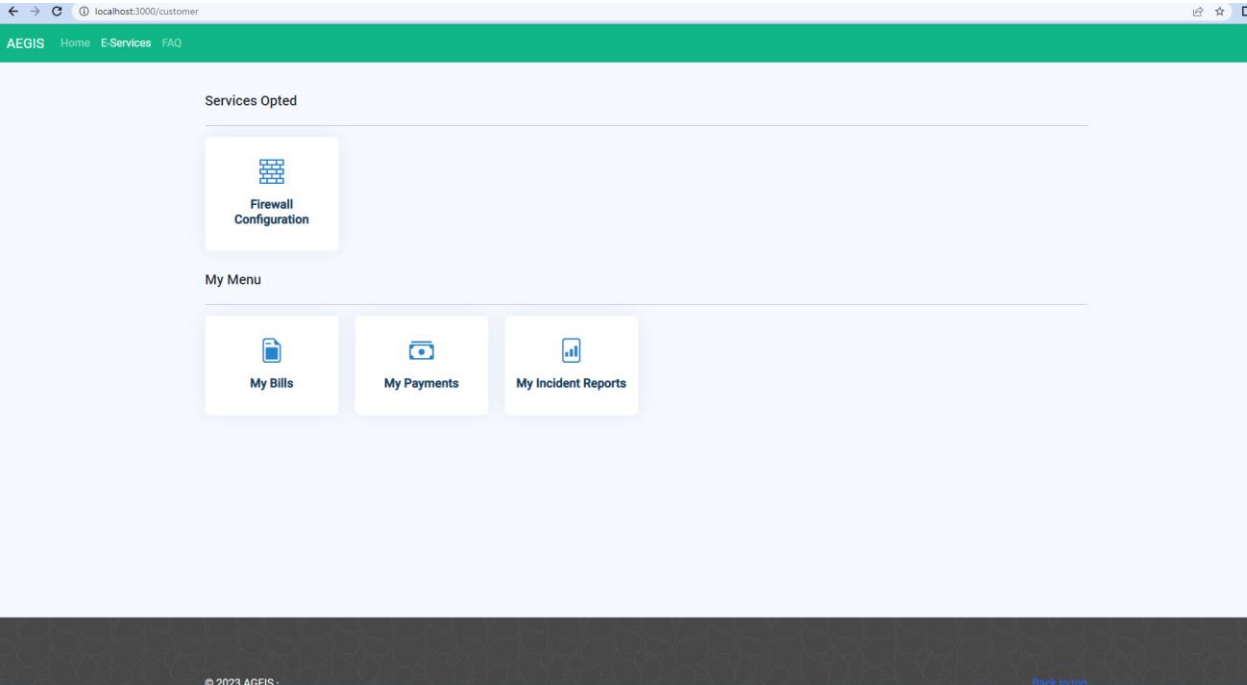
How much does cybersecurity cost?

How do you build a cybersecurity solution?

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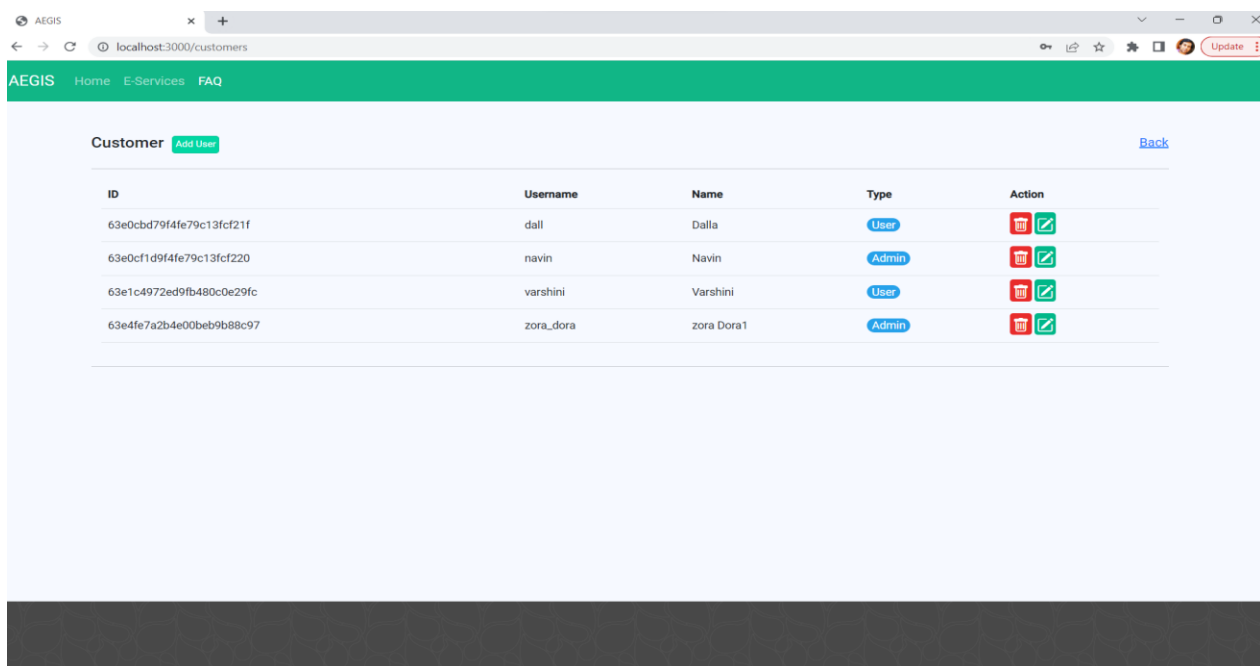
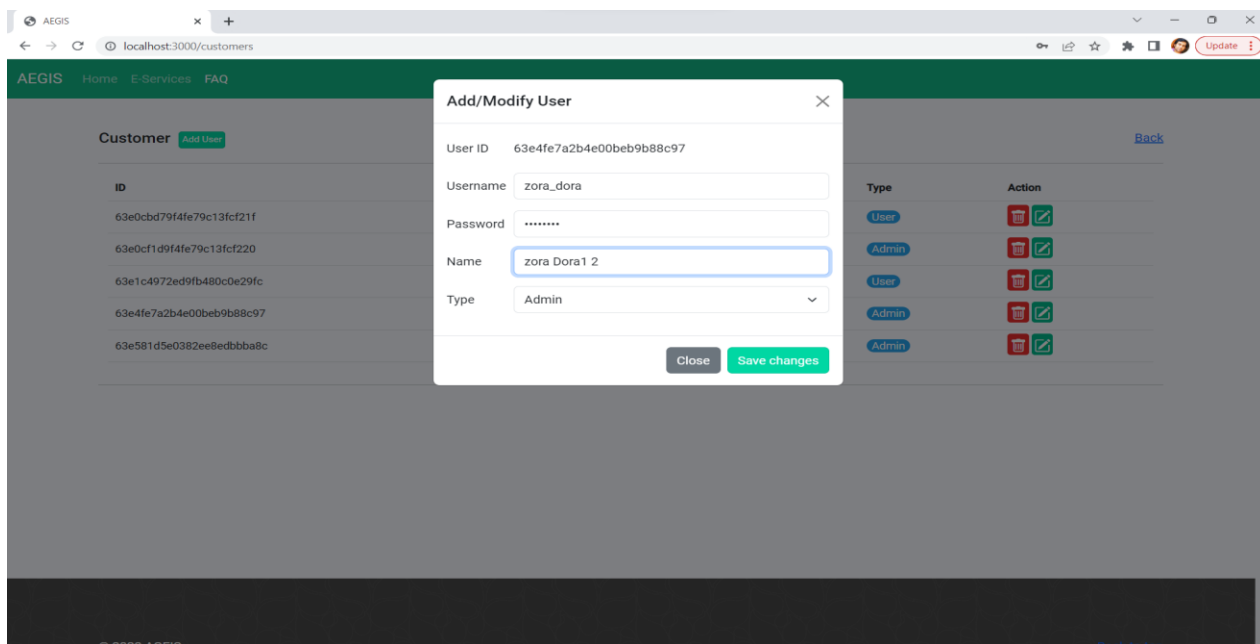
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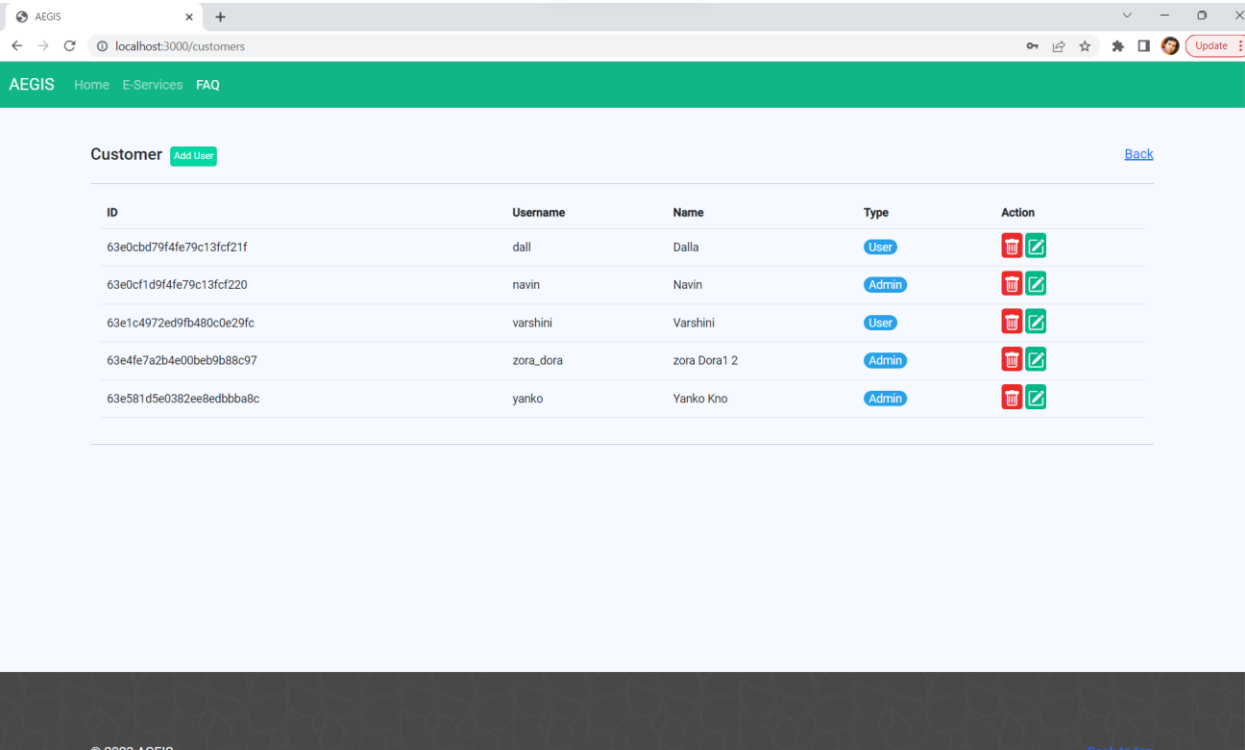
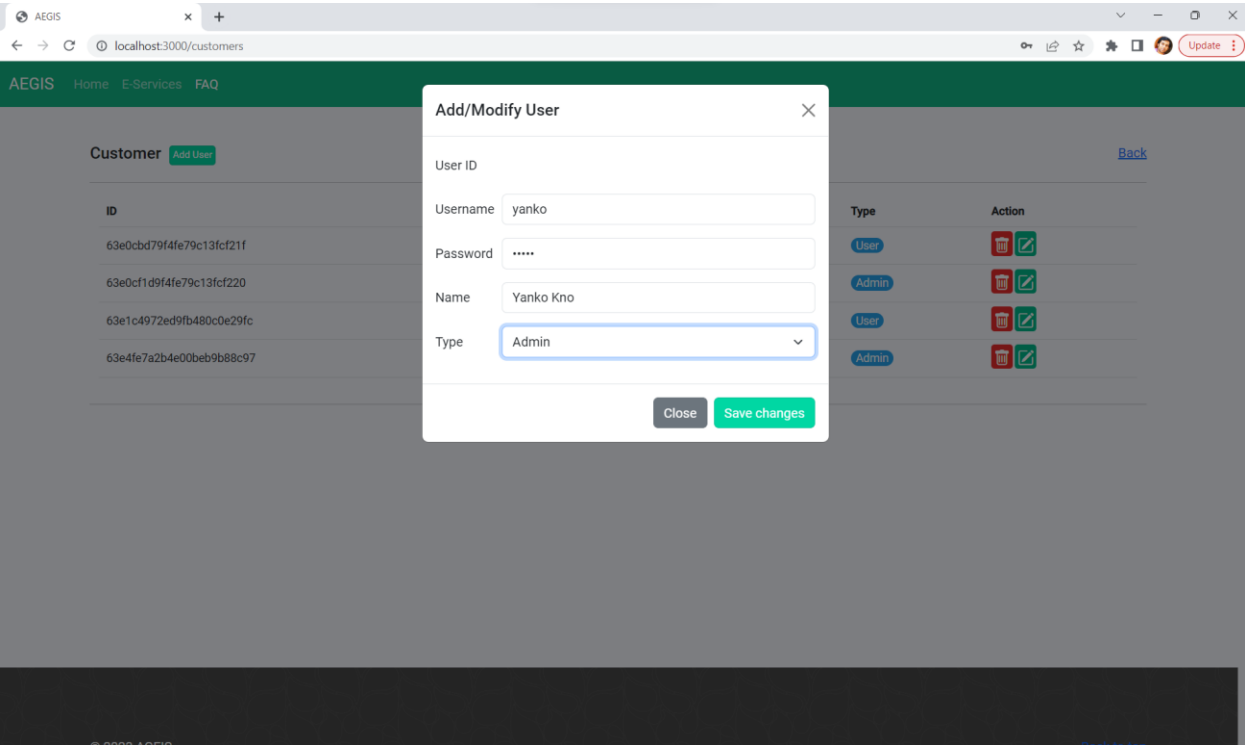
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The CRUD operations we made for our project are listed below. Admin can add, update and delete users. The screenshots for adding users are shown below.



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The below screenshots represent the test cases of our project. The code represents test cases and also we have the screenshot of manual testing of all test cases.

```

customer.html  JS login_controller.js M  JS dummy.js M X  JS app.js  M  {} package.json M  JS user_services.js  # custom.css  JS customer_model.js  JS u
test > JS dummy.js > describe("Saving User") callback > it('it should Update an user to DB') callback
  5
  6  chai.use(chaiHttp);
  7  describe("Saving User", () => {
  8    let formData = {};
  9    formData.username = 'testinguser';
 10    formData.password = 'HArshal';
 11    formData.Name = 'Metha';
 12    formData.type = '0';
 13    let userID = '63e581d5e0382ee8edbbba8c';
 14
 15    it('it should Save an user to DB', (done) => {
 16      chai.request(app)
 17        .post('/adminpages/adduserdata')
 18        .send(formData)
 19        .end((err, res) => {
 20
 21          done();
 22        });
 23    });
 24    it('it should Update an user to DB', (done) => {
 25      chai.request(app)
 26        .post('/adminpages/edituserdata')
 27        .send(userID)
 28        .end((err, res) => {
 29

```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

```

Hello
{
  acknowledged: true,
  insertedId: new ObjectId("63e596284dfaef70aa45ec25")
}
✓ it should Save an user to DB (3143ms)
[Object: null prototype] { '63e581d5e0382ee8edbbba8c': '' }
55
[Object: null prototype] { '63e581d5e0382ee8edbbba8c': '' }
undefined
✓ it should Update an user to DB

2 passing (3s)

1 document updated

```

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A	B	C	D	E	F	G	H	I	J	K
User Role	Test Scenario	Test Condition	Pre-Requisite	Post Condition	Test Steps	Expected Result	Run 1	Comments	Run 2	Comments
							PASS/FAIL		PASS/FAIL	
Admin	Check for the Login Scenarios	Verify Successful Login	Should have valid username & password		Enter the URL: Enter valid username & password Click on Login button.	Successful login and display of Home Page	PASS	Logging in with correct username.	PASS	Used valid credentials for logging in.
Customer		Verify Successful Login	Should have valid username & password		Enter the URL: Enter valid username & password Click on Login button.	Successful login and display of Home Page	PASS	Logging in with correct username and password.	PASS	Login with invalid password.
Admin		Verify Login Failed Scenarios	Should have Invalid username & valid password		Enter Invalid username & password Click on Login button.	Popup should display as : Login or password are incorrect Access is exclusive for authorized users	FAIL	Logging in with invalid credentials.	PASS	Logging in with correct username and password.
Customer		Verify Login Failed Scenarios	Should have Invalid username & valid password		Enter Invalid username & password Click on Login button.	Popup should display as : Login or password are incorrect Access is exclusive for authorized users	FAIL	Using inappropriate logging details	PASS	Logging in with correct username and password.
Admin		Verify Login Failed Scenarios	Should have valid username & Invalid password		Enter Valid username & Invalid Password Click on Login button.	Popup should display as : Login or password are incorrect Access is exclusive for authorized users	FAIL	Used invalid credentials for logging in.	PASS	
Customer		Verify Login Failed Scenarios	Should have valid username & Invalid password		Enter Valid username & Invalid Password Click on Login button.	Popup should display as : Login or password are incorrect Access is exclusive for authorized users	PASS	Logging in with correct username and password.	PASS	Logging in with valid credentials.
Admin		Verify Login Failed Scenarios	Should have Invalid username & Invalid password		Enter Invalid username & Invalid Password Click on Login button	Popup should display as : Login or password are incorrect Access is exclusive for authorized users	FAIL	Logging in with invalid credentials.	PASS	Logging in with correct username and password.
Customer		Verify Login Failed Scenarios	Should have Invalid username & Invalid password		Enter Invalid username & Invalid Password Click on Login button	Popup should display as : Login or password are incorrect Access is exclusive for authorized users	FAIL	Logging in with invalid credentials.	PASS	Used valid credentials for logging in.
							Access is exclusive for authorized users			
E-SERVICES										
Customer	check for the E-services	verify navigation to E-services			click on e services switch configuration	should show you the list of the switches	PASS	Displaying accurate list switches	PASS	Nothing is popping up
Customer	check for the E-services	verify navigation to E-services			click on e services router configuration	should show you the list of the routers	FAIL	Failed attempt to display routers list.	PASS	Showing up lists of routers
CUSTOMER PAGE										
Customer	check for customer payments	verify if customer is able to check his payments that are done.			login with customer credentials and click on My payments	should show the amount paid by the customer for configurations.	FAIL	Unable to verify the pay	PASS	Logging in with proper credentials and able to check payments.
Customer	check for My bills	verify if customer is able to check his pending invoices/bills.			login with customer credentials and click on My payments	should show the due amount that should be paid by the customer.	PASS	Verifying credentials and	PASS	authentication failed due to in valid credentials.
Customer	check for customer incident reports	verify if customer is able to check his incident reports			login with customer credentials and click on	should show you the incidents that had occurred since the service has opted by	FAIL	Credentials are incorrect	PASS	display details incident

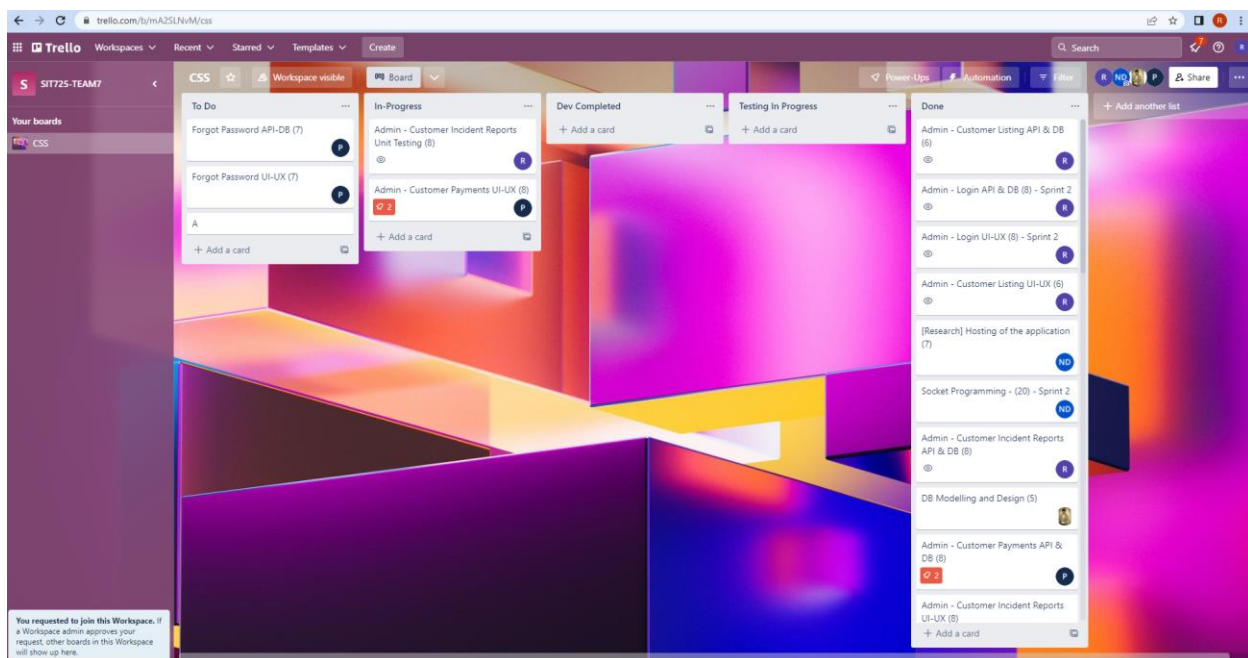
The below table represents the tasks done by each member

Member	Contribution
Navin Dharmarajan	Hosting of the application, Socket Programming, E-Services UI-UX, My Payments API & DB, My Bills UI-UX , E-Services API&DB , SRS Preparation,Set up GitHub Repository
Mahidhar Reddy	DB Modelling and Design, FAQ API & DB, Customer - My Services UI-UX ,Customer Page API & DB, Customer Page UI-UX, My Services API & DB ,FAQ UI-UX , SRS Preparation

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Samruddhi Patil	Forgot Password Api-DB, Forgot Password UI-UX, Admin-Customer Payments UI-UX, Admin-Customer Payments API&DB, Logout UI-UX sprint 2, LOGOUT API-DB sprint 2, Login page API& DB -sprint 2, Login Page UI -UI SPRINT 1, Srs Preparation
Sri Varshini	Admin - Customer Listing API & DB, Admin - Login API & DB, Admin - Login UI-UX , Admin - Customer Listing UI-UX, Admin - Customer incident reports API& DB Admin -customer incident reports UI-UX Customer page API &DB - Sprint 2 Customer potral Welcome page-sprint 1 Srs preparation

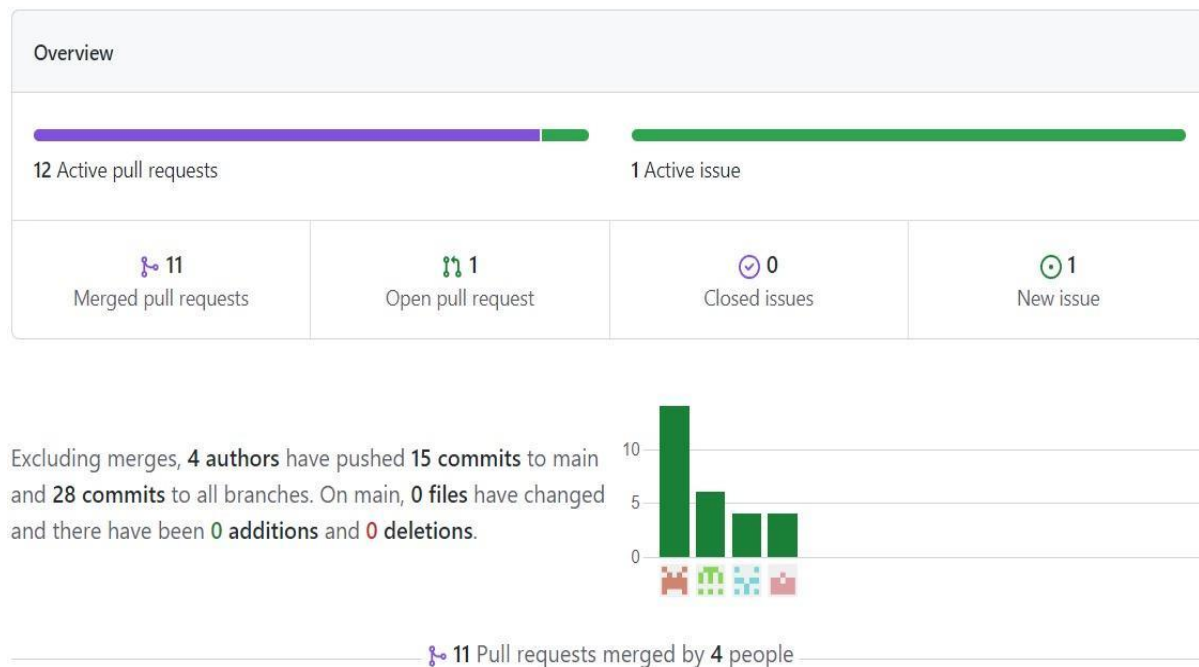


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January 9, 2023 – February 9, 2023

Period: 1 month ▾



Each and every team member is giving exactly the same amount of effort to the overall project that is being worked on. We've established a GIT repository with many branches. Following this, each team member submits their code to the GIT repository, where it is reviewed by the other teams and approved if necessary. Each person has put in up to 50 hours. The Trello Board has been updated with all of our duties, which we have updated appropriately. We have also evaluated and approved of each other's work. And in the previous week, we encountered a minor issue while merging the code, but ultimately, everything went according to plan, and the project is now operational.

- The video link for our PPT is <https://youtu.be/Fg8MdKo5RGA>
- And the video link for the demo of our project is as follows:  
[https://video.deakin.edu.au/media/t/1\\_ivwa9bv1](https://video.deakin.edu.au/media/t/1_ivwa9bv1)