



Federal Urdu University of Arts, Sciences & Technology

Department of Computer Science

Software Requirements Specification

Project Area: Anti Medicare System

Prepared By

Shoaib Ahmed 16122004

Safdar Ali Khan 16122088

Muhammad Osama Saleem 16122035

Syed Huzaifa Abdali 16122084

Supervised By

Dr. Farhan Shafiq

HOD Signature

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1. Introduction

This document contains the system requirements for Anti Medi care System. The project Anti Medi care system includes registration of Pharmacy and Vendors Like saylani welfare trust, chipa foundation and edhi foundation etc., they can register on the system. After registration on system Admin verify their details and accept the account. After accepting of account admin will provide the Dashboard and where they can login and upload their products Like Oxygen cylinder, ventilator kit and many more what they provide from their dashboard which will show on user Dashboard.

The Anti Medi Care system can be entered using a username and password. It is accessible by an administrator vendors Like saylani welfare trust, chipa foundation and edhi foundation etc. Only they can add data into the database and admin can access and manage all vendors data. The admin can be block or enable vendors Account. The Interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast.

The Anti Medi care system is powerful, flexible, easy to use, and designed. The users of the web app first register their account when the user register their account a verification email will be send to their email address for verification their account so after registration user can login with their unique email and password in web app. After login user view all products which is provided by different vendors. when the user can select any product then a map will appear which can show different product locations with markers within 25 kilo meters then user have choice to open the nearest product location. After selecting the product, it can open modal to see product all details. When the user click the book now button its appear a booking form after completing the booking form vendor will received product order. After the vendor accept the user, order the user will be notify by email. In this email user, have all instructions to receive their product. If the user will not get their order with in six hours, the order will automatically cancel so the user will reorder their product.

1.1 Purpose

The main purpose of this system is to make interaction between users and Vendors. Like saylani, Edhi, Chipa etc. different Vendors provide their services like oxygen cylinder, ventilator kit, medical equipment's and many more. Also provide ease for special kids and disable peoples whose equipment are not available in every pharmacies stores. Many peoples do not know the procedure how to get these services easily. We notice this situation in covid-19. In this web app user can simple register and then login to get which product the user want can easily book from home. This web app help also useful in critical situations lioke Covid-19.

1.2 Intended Audience and Reading Suggestions

We target all kinds of Vendors and Pharmacies for example Saylani Welfare Trust, Chippa , Edhi and Pharmacy as well.

User/Public:

We Target public and provide them effective services.

Vendors:

We Target Vendors they provide their products and services for the public.

Admin:

We target the administrator to help them in decision-making process and monitor suspected activity to inform administration on the spot

1.3 Product Scope

In previous 2 years of covid-19 we can notice that lot of people do not know about vaccination centers from where they get oxygen cylinders' ventilators etc. Due to this lot of panic situation was created. The Anti medi care management system helps in finding the perfect details of vaccination centers, ventilators, oxygen kit center and pharmacies, which provide equipment for special kids and disable peoples. Users first register and then login with their unique email and password. when the user can select any product then a map will appear which can show different product locations with markers within 25 kilo meters then user have choice to open the nearest product location. After selecting the product, it can open modal to see product all details. When the user click the book now button it's appear a booking form after completing the booking form vendor will received product order. After the vendor accept the user, order the user will be notify by email. In this email user, have all instructions to receive their product. If the user will not get their order with in six hours, the order will automatically cancel so the user will reorder their product.

2. Overall Description

2.1 Product Perspective

The purpose of Anti Medicare system is an online Health Service Provider. This system will provide a platform for all medical agencies and welfares they can add their Products and the user will easily find medical Product according to their requiremen from anti-Medicare system. We add a google map to our system so the user can find their nearest Product with the help of google map.

Anti-Medicare system provides a Vendor dashboard for Agencies and welfares where they can add update and delete their products but when they add any product to system it will be on pending. The admin will check their product and the admin has the authority to accept or reject their products.

The Anti Medicare system will also have an admin panel that has full-fledged rights with regards to managing resources. the admin can add models like ventilator kit, oxygen cylinder center, etc. when agencies or welfare add their products it's according to their models which is available in our system.

The admin has authority to active or disables any vendors account.

2.2 Product Functions

Authentication and Authorization For Administrator:

Create new Vendor or a Pharmacy.

- Edit vendor.
- Remove vendor.
- Add Model
- Edit Model
- Delete Model
- Add Product
- Edit Product
- Delete Product
- Enable or Disable Vendors
- Login by credentials.
- Change password.

Authentication and Authorization For Vendors :

- Register Account
- Add Product
- Delete Product
- Edit Product
- Login By credentials.
- Change Password

Authorization For User

- User Register Account
- View products
- Search products within a 25Km
- Order new product

2.3 User Classes and Characteristics

Admin

Who use this system to enable or disable the entire system, register, modify the Products and models also he will generate and view all kinds of Vendors and Products. And he can disable or enable any kind of suspicious activity.

Vendors

The Vendor can add or edit their Products also They will generate and view their Products.

2.4 Operating Environment

- This system will be tested and optimize for the following environment.
- CPU: Intel Core i5 8th generation
- GPU: AMD Redeon TM 520
- RAM: 8gb
- Storage: 256gb SSD
- OS: Windows 10 or Linux
- Software Dependencies: Python, Django, Django Rest Framework, JavaScript, Reactjs

2.5 Design and Implementation Constraints

There are many limitations and dependencies which bound us in development of our system these are:

- so we have to make sure our system is optimized enough and capable to work real-time with the following requirements.
 - This system will be tested and optimize for the following environment.
 - CPU > Intel Core i3 8th generation
 - GPU > AMD Redeon TM 220
 - RAM >3gb
 - Storage > 256gb SSD
 - OS: Windows 10 or Linux
- We have to use those tools which are efficient, popular and have huge support.

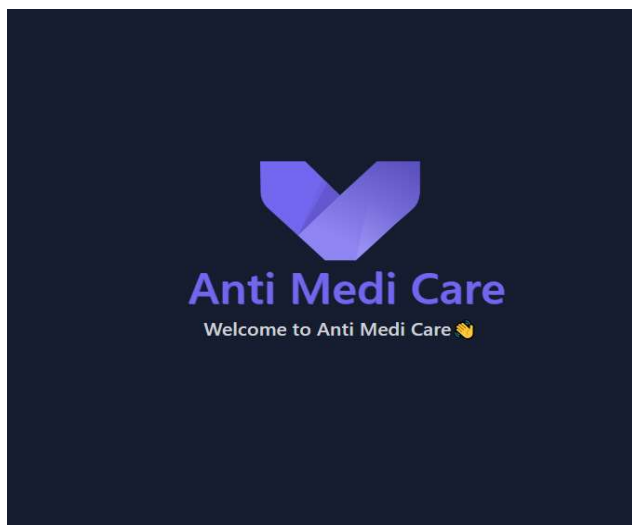
- Language: > python 3.7 , JavaScript
- Web: Django , React js
- The system should be multithreaded and should be capable to process simultaneously.

2.6 Assumptions and Dependencies

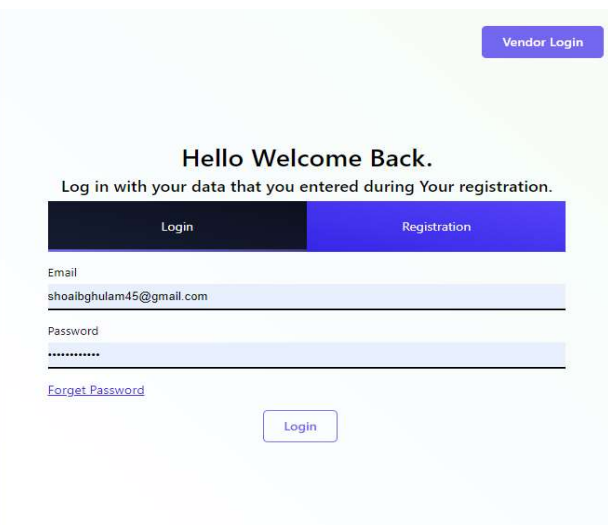
1. Server work perfectly, and dealing with requests without any delay.
2. Anti Medi care system works perfectly so we fetch data from Anti Medi care server
3. Server properly configured with following requirements:
 - Python 3.7 or Later
 - JavaScript
 - Django
 - Reactjs
 - Django Rest Framework
 - React Google Map Components.

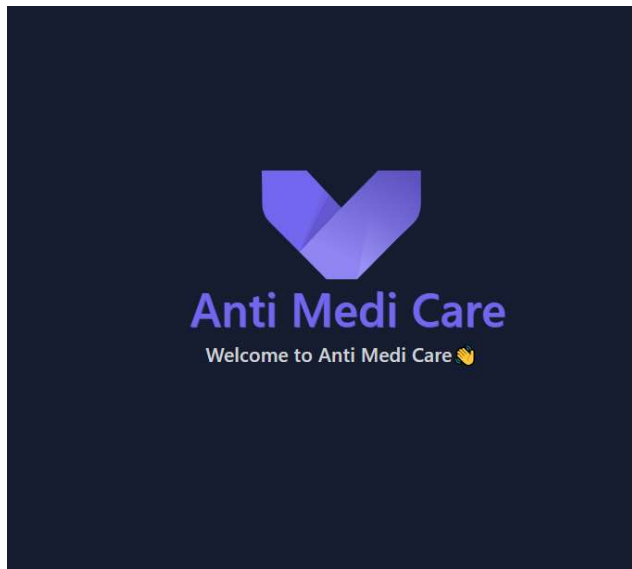
3. External Interface Requirements

3.1 User Interfaces



User Login





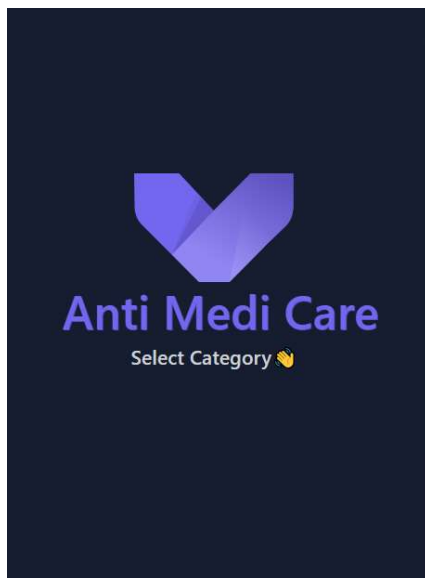
Vendor Login

Hello Welcome Back.
Log in with your data that you entered during Your registration.

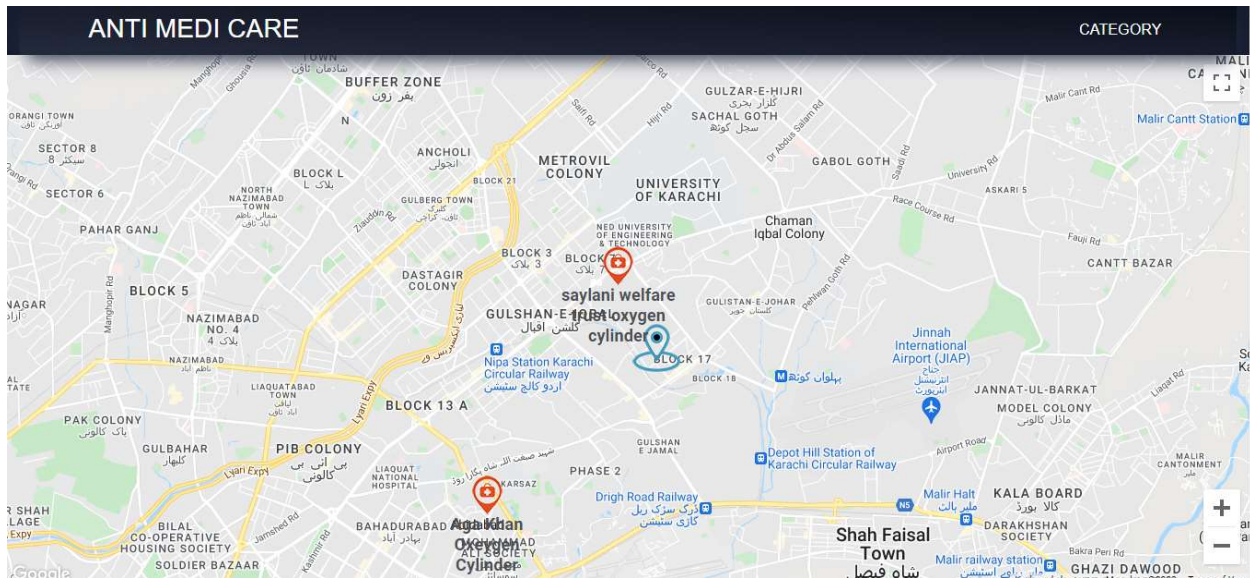
Login	Registration
First Name Enter First Name	Last Name Enter Last Name
Email shoaibghulam45@gmail.com	Password *****
Contact No. Enter Contact No	Address Enter Address

Register

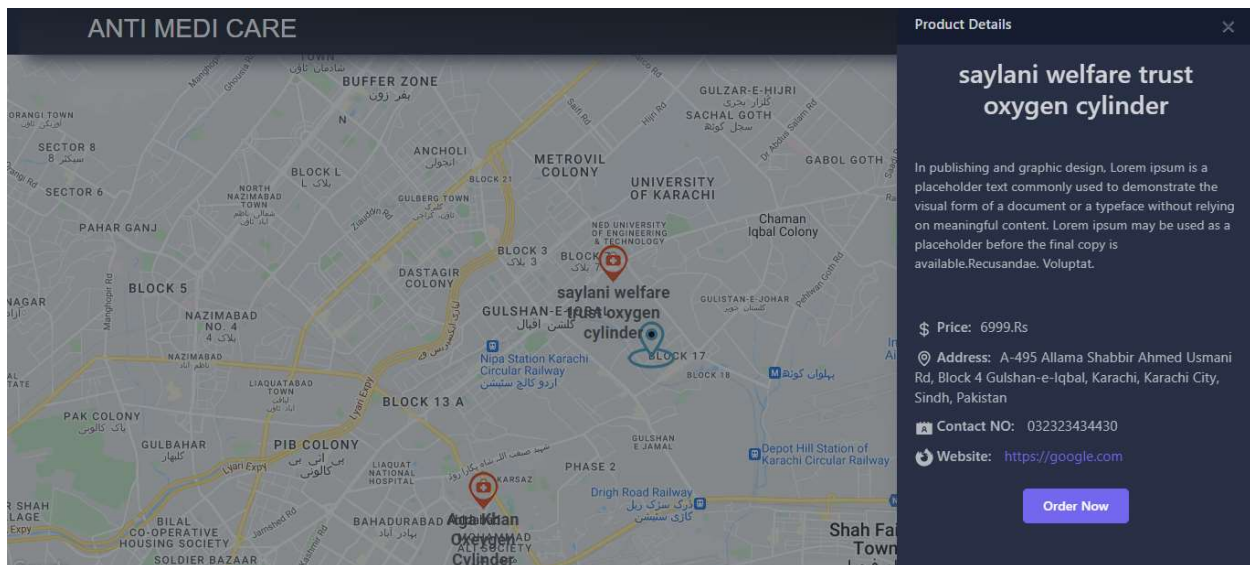
User Registration



Category



Products Marks on Map



Product Selection on Map




Anti Medi Care

saylani welfare trust oxygen cylinder

In publishing and graphic design, Lorem ipsum is a placeholder text commonly used to demonstrate the visual form of a document or a typeface without relying on meaningful content. Lorem ipsum may be used as a placeholder before the final copy is available.

Price: 6999.Rs
 Address: A-495 Allama Shabbir Ahmed Usmani Rd, Block 4 Gulshan-e-Iqbal, Karachi, Karachi City, Sindh, Pakistan
 Contact NO: 032323434430
 Website: <https://google.com>



Please Fill you Basic Information

First Name

Last Name

Email

Contact No

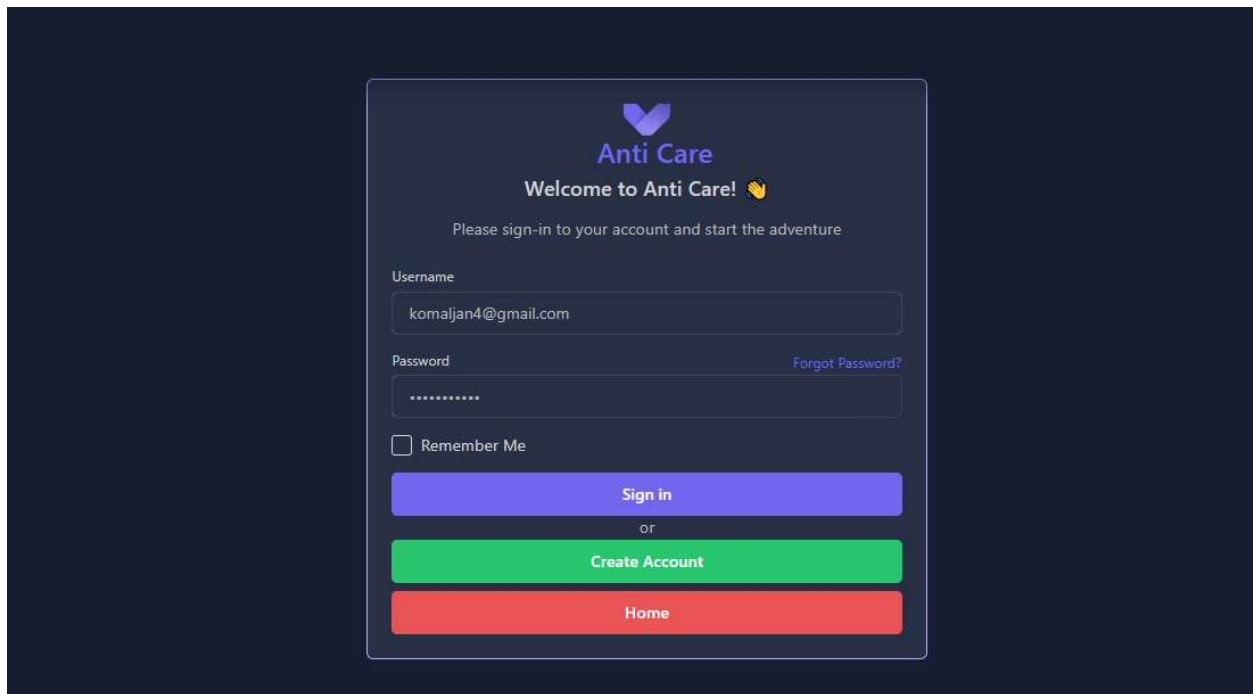
Address

Quantity

Price: 6999.Rs
qty: 1
Total Price: 6999.Rs

Order From

3.2 Vendor Panel



The login screen for Anti Care features a dark blue background. At the top center is the Anti Care logo, a stylized 'V' made of two overlapping shapes. Below the logo, the text 'Welcome to Anti Care!' is displayed with a small yellow hand icon. A message 'Please sign-in to your account and start the adventure' follows. The login form includes a 'Username' field with the email 'komaljan4@gmail.com', a 'Password' field with masked characters, and a 'Forgot Password?' link. There is a 'Remember Me' checkbox and three large buttons: 'Sign in' (blue), 'Create Account' (green), and 'Home' (red).

Anti Care

Welcome to Anti Care! 🙌

Please sign-in to your account and start the adventure

Username

komaljan4@gmail.com

Password

Forgot Password?

☐ Remember Me

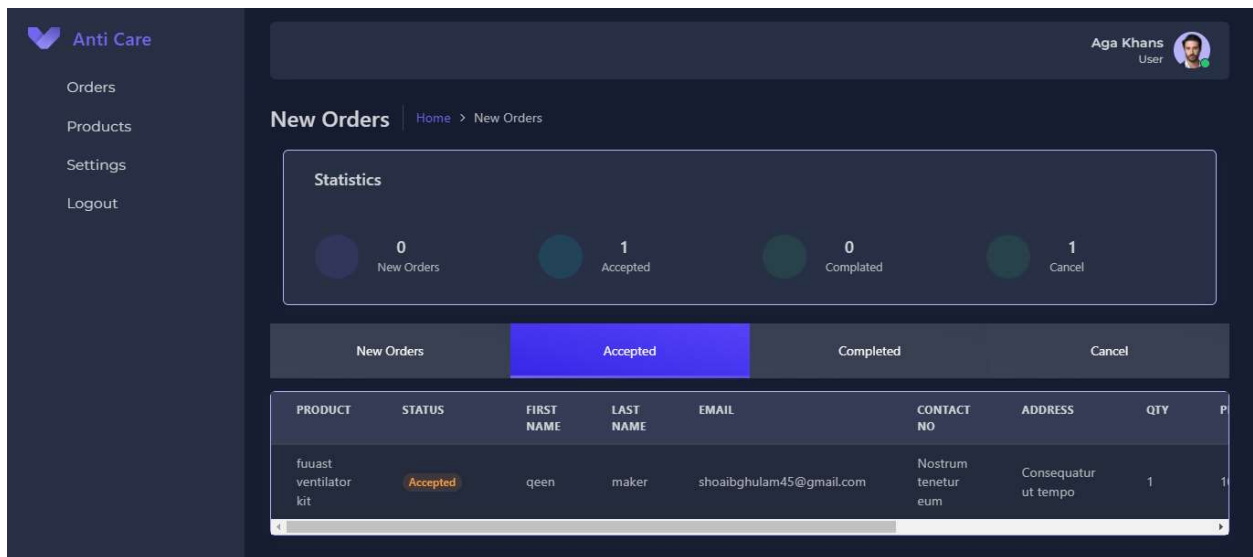
Sign in

or

Create Account

Home

Vendor Login



The Vendor Order Page has a dark blue sidebar on the left with the Anti Care logo and navigation links: Orders, Products, Settings, and Logout. The main content area has a top header with the user's name 'Aga Khans' and a profile picture. Below this is a breadcrumb 'Home > New Orders'. The 'New Orders' section includes a 'Statistics' box with four circular progress indicators: 0 New Orders, 1 Accepted, 0 Completed, and 1 Cancel. Below the statistics is a tabbed interface with 'New Orders', 'Accepted', 'Completed', and 'Cancel'. The 'Accepted' tab is active. Below the tabs is a table with columns: PRODUCT, STATUS, FIRST NAME, LAST NAME, EMAIL, CONTACT NO, ADDRESS, QTY, and P. The table contains one row for 'fuuast ventilator kit' with status 'Accepted', first name 'qeen', last name 'maker', email 'shoaibghulam45@gmail.com', contact number 'Nostrum tenetur eum', address 'Consequatur ut tempo', quantity '1', and price '1'.

Anti Care

Orders

Products

Settings

Logout

Aga Khans User

New Orders Home > New Orders

Statistics

0 New Orders

1 Accepted


0 Completed

1 Cancel

New Orders Accepted Completed Cancel

PRODUCT	STATUS	FIRST NAME	LAST NAME	EMAIL	CONTACT NO	ADDRESS	QTY	P
fuuast ventilator kit	Accepted	qeen	maker	shoaibghulam45@gmail.com	Nostrum tenetur eum	Consequatur ut tempo	1	1


Vendor Order Page


Anti Care

[Orders](#)
[Products](#)
[Settings](#)
[Logout](#)

Aga Khans

User




Products
[Home > Products](#)

Add Product

TITLE	LATITUDE	LONGITUDE	CONTACT NO	DESCRIPTION	ADDRESS	QTY	PRICE	MODAL
	24.8636382	67.0730237	03232538	View Description	6, P.E.C.H.S, Block 6 PECHS, Karachi, Karachi City, Sindh, Pakistan	30	10000	Oxeygen Cylinder
	24.9112095	67.0893753	03232638038	View Description	University Rd, Block 9 Gulshan-e-Iqbal, Karachi, Karachi City, Sindh, Pakistan	2	1000	Ventilator Kit


Vendor Products


Anti Care

[Orders](#)
[Products](#)
[Settings](#)
[Logout](#)

Aga Khans

User



Website Settings
[Home > Settings > Website Settings](#)

General

Change Password

Agency Name

Aga Khans

email

theagakhan@gmail.com

Contact No

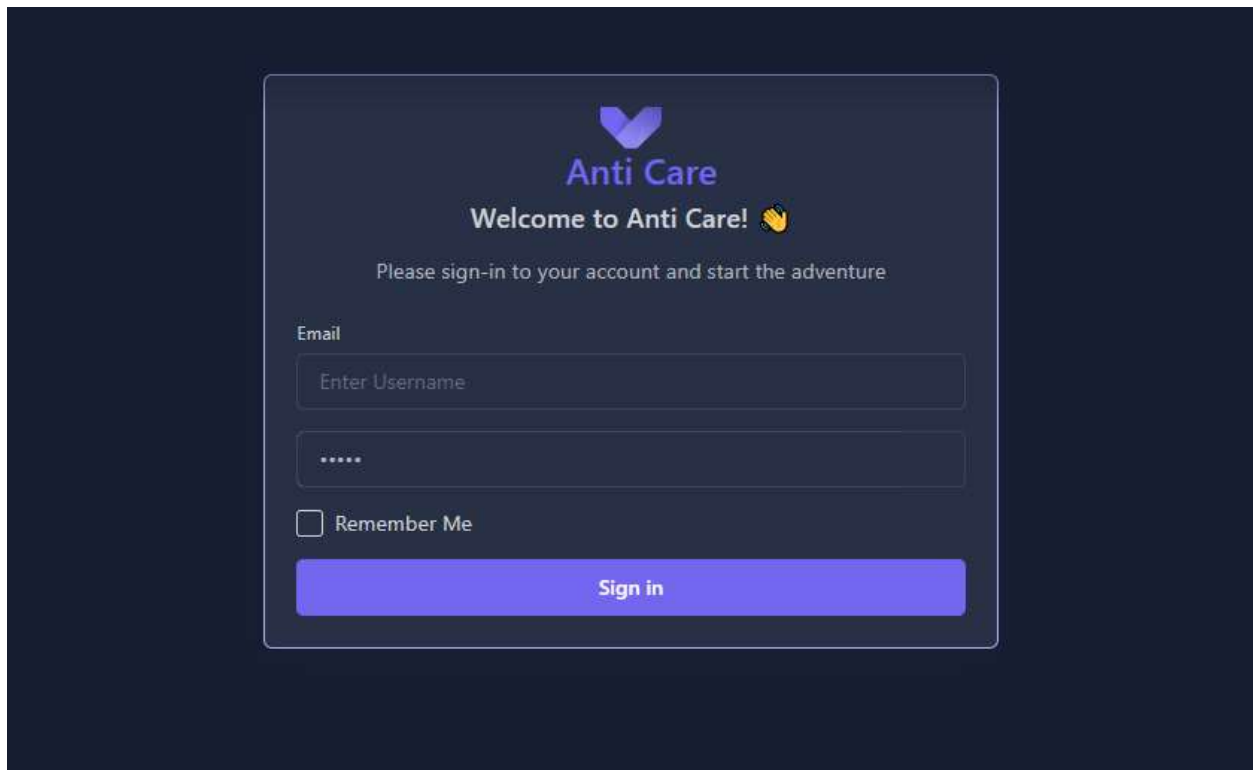
0300000003

Save changes

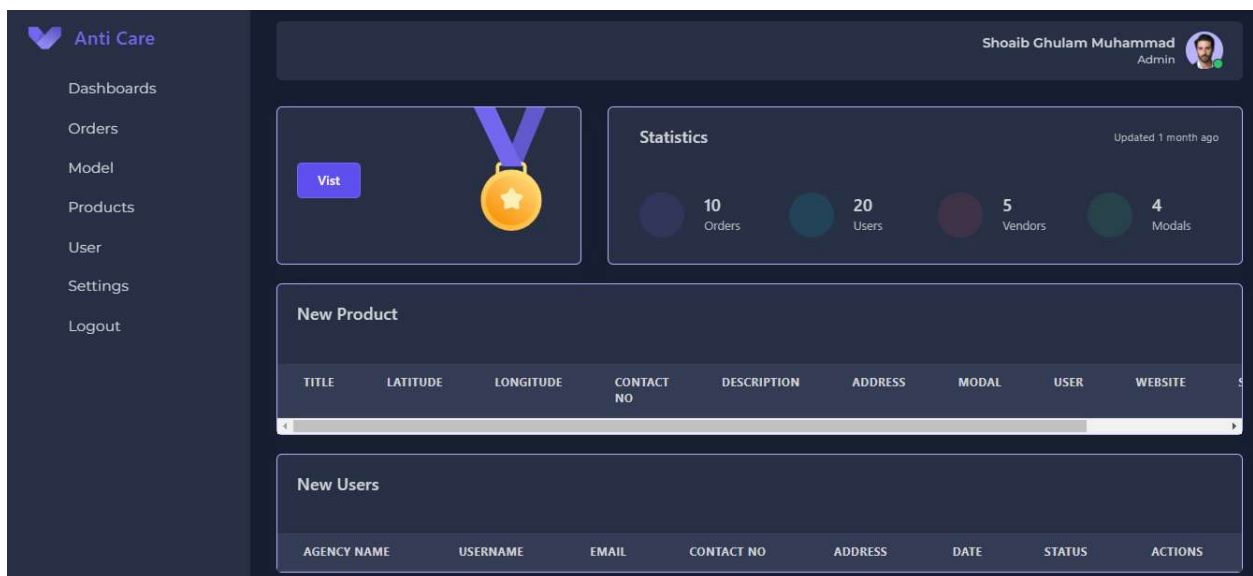
Cancel

Vendor Settings

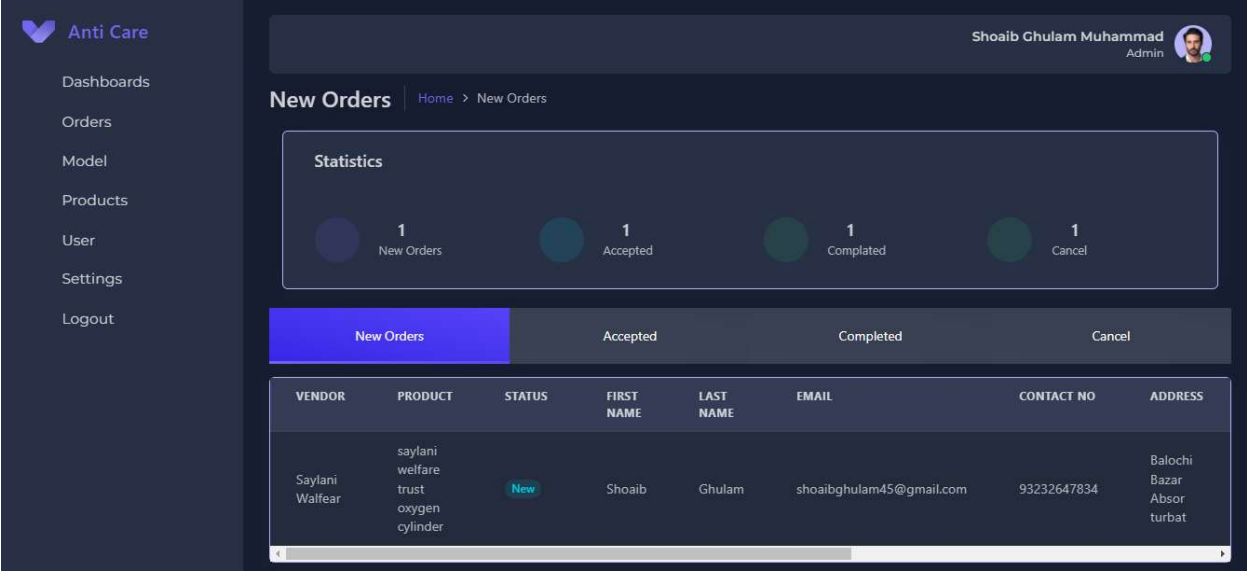
3.3 Admin Panel Dashboard



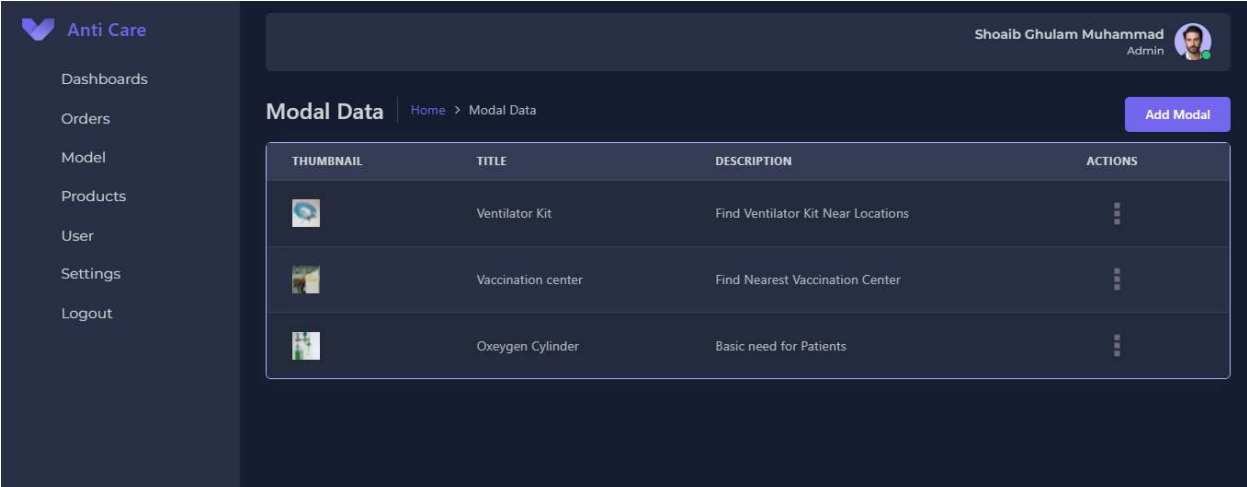
Admin Login



Admin Panel



Admin All Vendor Orders



Models

Anti Care

Dashboards

Orders

Model

Products

User

Settings

Logout

Shoaib Ghulam Muhammad

Admin

Products

Home > Products

Add Product

TITLE	LATITUDE	LONGITUDE	CONTACT NO	DESCRIPTION	ADDRESS	MODAL	USER
saylani welfare trust oxygen cylinder	24.9306815	67.0992096	032323434430	<div>View</div> <div>Description</div>	A-495 Allama Shabbir Ahmed Usmani Rd, Block 4 Gulshan-e-Iqbal, Karachi, Karachi City, Sindh, Pakistan	Oxygen Cylinder	Saylani Walfear
					6, P.E.C.H.S. Block 6 P.E.C.H.S.		

All Vendor Products

Anti Care

Dashboards

Orders

Model

Products

User

Settings

Logout

Shoaib Ghulam Muhammad

Admin

Vendor

Home > Vendor

Add Vendor

AGENCY NAME	USERNAME	EMAIL	CONTACT NO	ADDRESS	DATE
Saylani Walfear	saylani2	saylani2@gmail.com	03232638038	Karachi Saylani Welfare	2022-02-21T20:54:56.596004Z
ALAMGIR WELFARE TRUST INT'L	alamgirwelfaretrust	info@alamgirwelfaretrust.com.pk	+92 51111153153	Clifton 3 Talwaar, Teen Talwar, Near Glass Tower	2022-01-26T20:42:22.968985Z
Expo Center Karachi	expokarachi	expokarachi@admin.com	0331 2731005	Main University Rd, Block 15 Gulshan-e-Iqbal, Karachi, Karachi	2022-01-26T20:03:38.723645Z

Vendors

Anti Care

Dashboards
Orders
Model
Products
User
Settings
Logout

Shoaib Ghulam Muhammad
Admin

Website Settings | Home > Settings > Website Settings

General
Change Password
Website Settings

FullName: Shoaib Ghulam Muhammad
email: shoaibghulam45@gmail.com
Contact No: 03232638038

Save changes Cancel

Admin Setting

Anti Care

Dashboards
Orders
Model
Products
User
Settings
Logout

Shoaib Ghulam Muhammad
Admin

Website Settings | Home > Settings > Website Settings

General
Change Password
Website Settings

Website Description: Anit Medi Care system is helpfull for those people

Title: Anti Medi Care

Email: admin@fyp.com
Phone: 03232638038

Save changes Cancel

Website Settings

4. Hardware Interfaces

The web application run on Virtual private Server. No other hardware required

5. Software Interfaces

Following are the software used for Anti Medi care System

Software Used	Description
Operating System	Windows 10 is - Very user friendly and common OS
Language	Backend we use Python and for Frontend we used JavaScript
Framework	For backend Python Django enables rapid development of secure and maintainable websites and for frontend we used Reactjs JavaScript library for building user interfaces
Database	Sql Lite use for Database connectivity and management
Web Server	Apache is a powerful Web server that provides a highly reliable, manageable, and scalable Web application infrastructure
Adobe Photoshop cc	Logo and other designing such as User interfaces

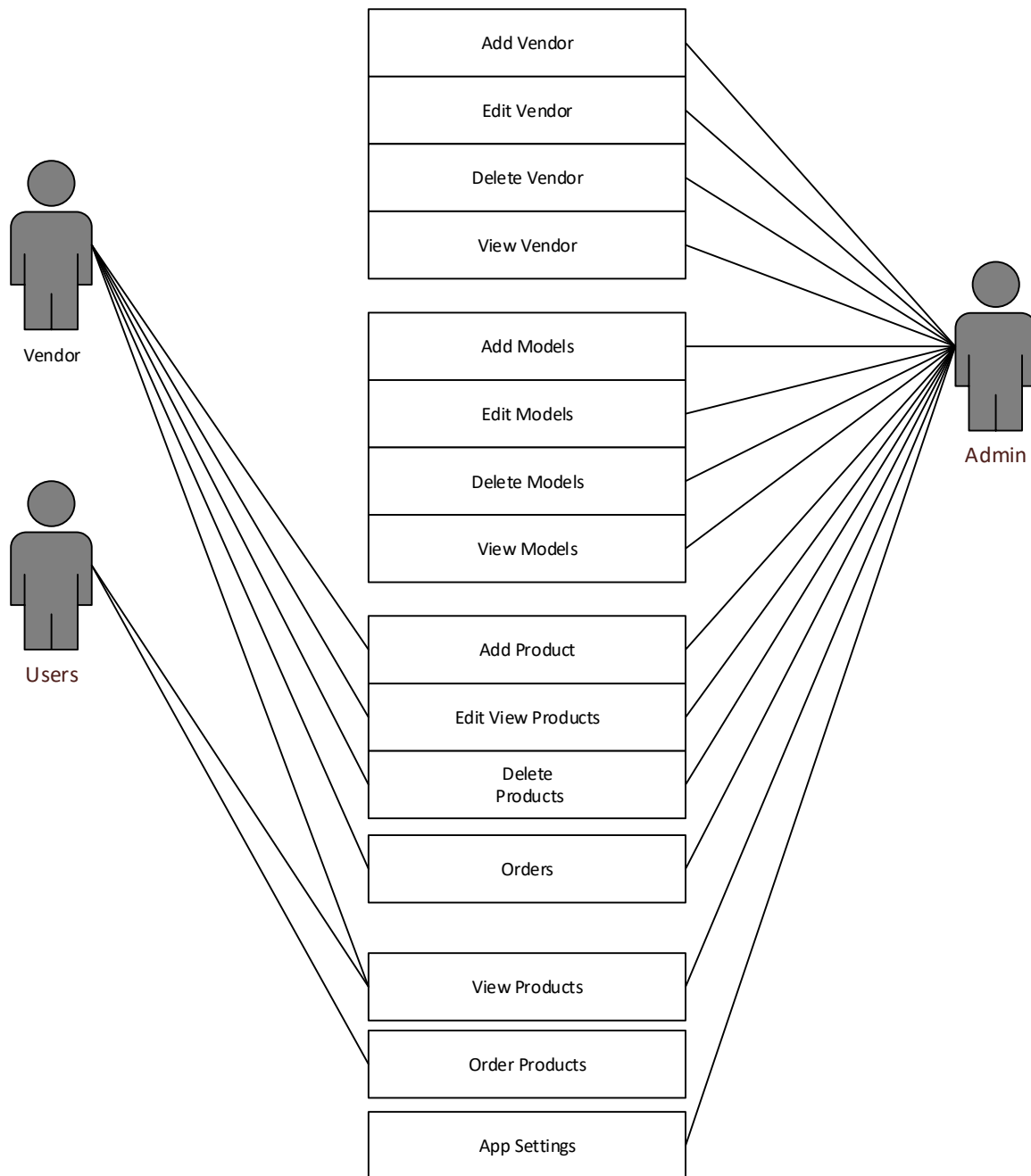
6. Communications Interfaces

The Anti Medi Care provide web interface for user to use with its functionalities.

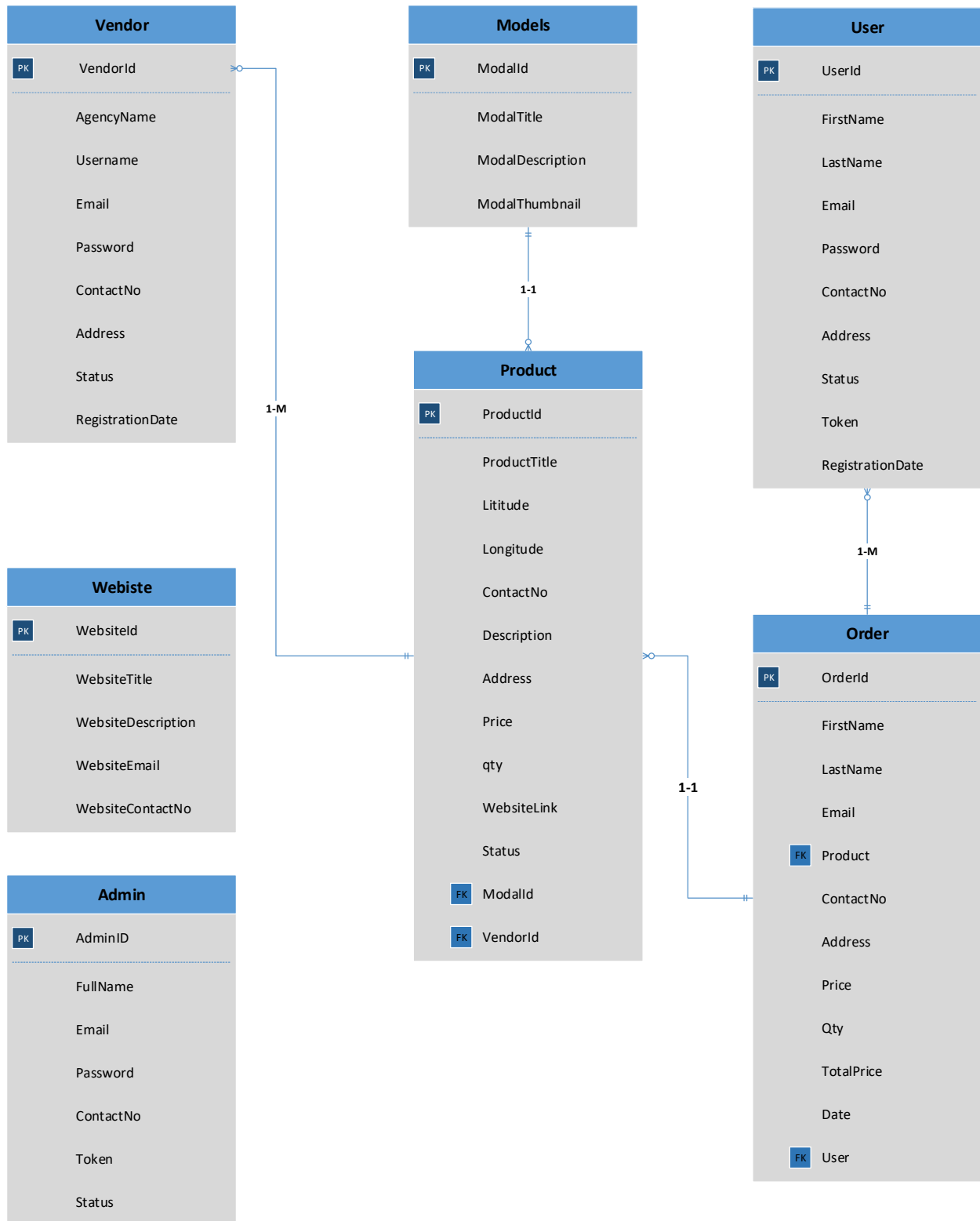
7. System Features

This section demonstrates Anti Medi Care most prominent features and explains how they can be used and the results they will give back to the user.

8. System Role Model



9. ERD



10. Other Nonfunctional Requirements

10.1 Performance Requirements

Performance is one of the main important requirements of our application. Some of the requirements given below.

- The system work on real time.
- The Ram should be > 1GB
- The Database must be RDBMS
- The processor should be > core i3
- The Web Browser should be present on system

10.2 Safety Requirements

The Anti Medi care system cannot be harmful any case.

10.3 Security Requirements

The anti Medi care system can be misuse in terms of Vendors privacy. We have to protect the Data of Vendors like agencies and pharmacies, which they provide for users we have to make sure that unnecessary data should not store in any kind of the storage.

10.4 Software Quality Attributes

- **AVAILABILITY:** The system shall be available all the time
- **CORRECTNESS:** A bug free software, which fulfill the correct need/requirements of the client.
- **MAINTAINABILITY:** The ability to maintain, modify information and update fix problems of the system
- **USABILITY:** Web app can be used again and again without distortion
- **ACCESSIBILITY:** Administrator and many other users can access the system but the access level is controlled for each user according to their work scope
- **ACCURACY:** The reliability on the information/output. Can depend/be sure of the outcome.
- **STABILITY:** The system outcome/output will not change time to time. Same output will be given always for a given input.