Discipline

Testing & Deployment
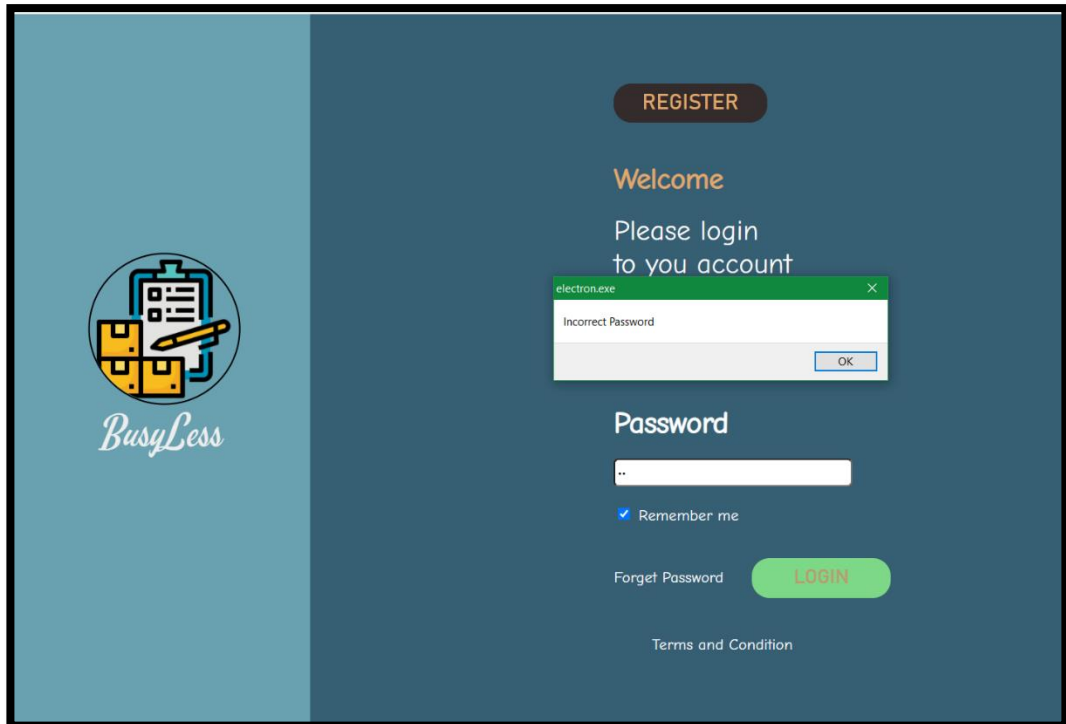
(3 versions)

CS5201

Stage-3

Sheikh Muhammed Tadeeb (AU19B1014)

❖ Functionalities Implemented:

1. Authorization: -

If I try to login with wrong login credentials the application won't allow me to do that.

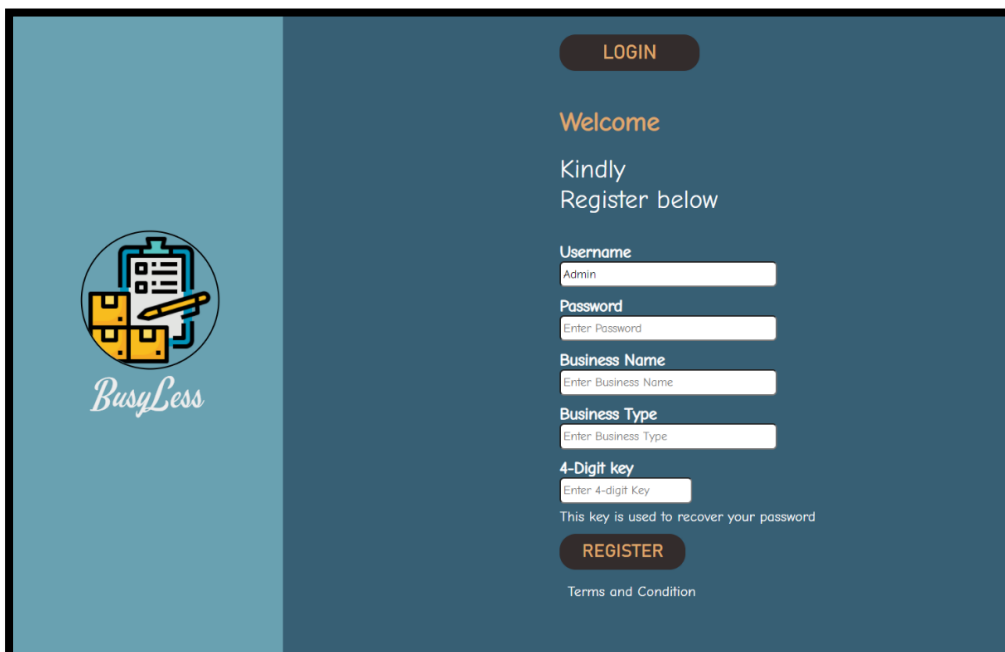(Status: PASSED)

2. Authentication: -

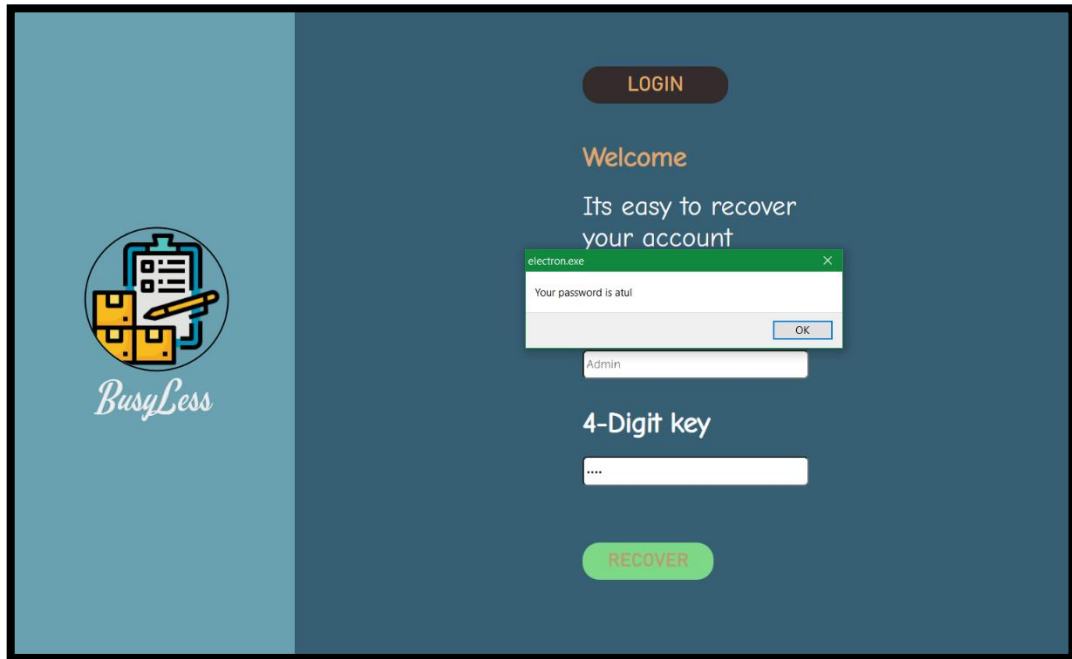To be a valid user of the system we must register into it.

(Status: PASSED)

3. User-Control and freedom: -

User has full control on the system as eve if he/she forgets the password they can recover it just by entering their key which they entered during their registration.
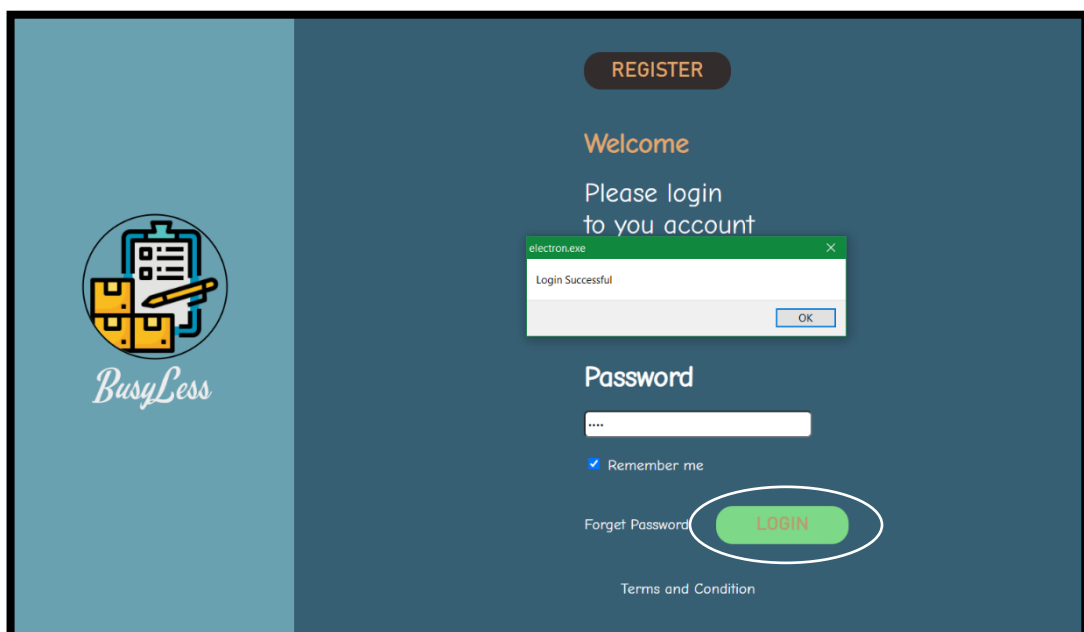
(Status: PASSED)

4. Visibility of system status:

Any action user does in the application has some feedback/response to the user by which the user feels connected with the system e.g.: hovering effects, login updates etc.
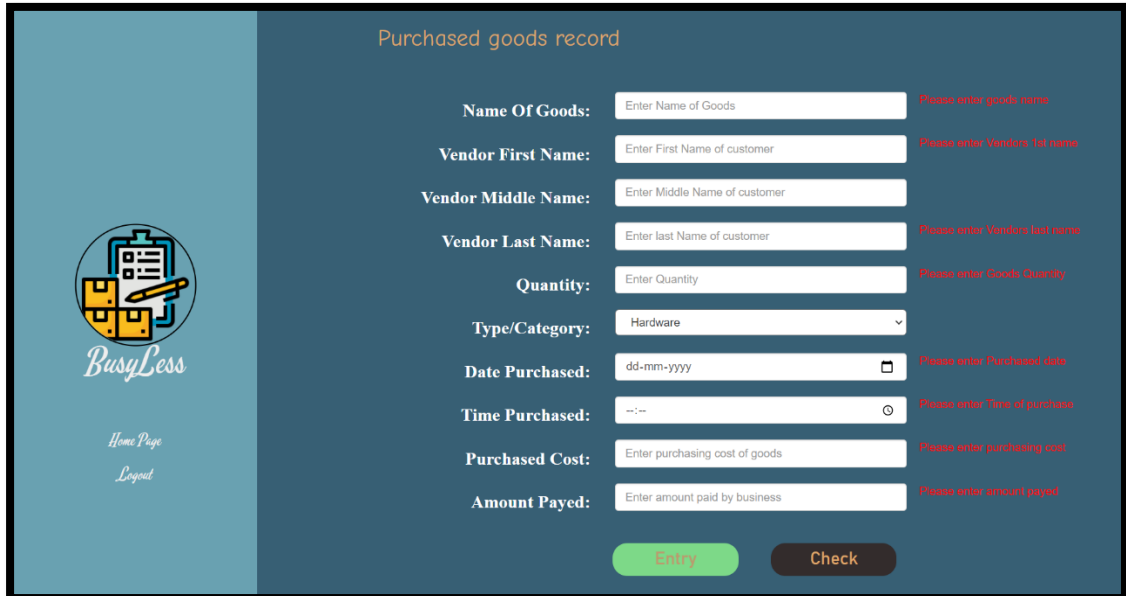
(Status: PASSED)

5. Error prevention:

The user is provided with the validations which help the user to be free from errors while using the application.

(Status: PASSED)

6. Help and Documentation:

The user is provided with a page to which he can browse and check how to use the application.

(Status: PASSED)
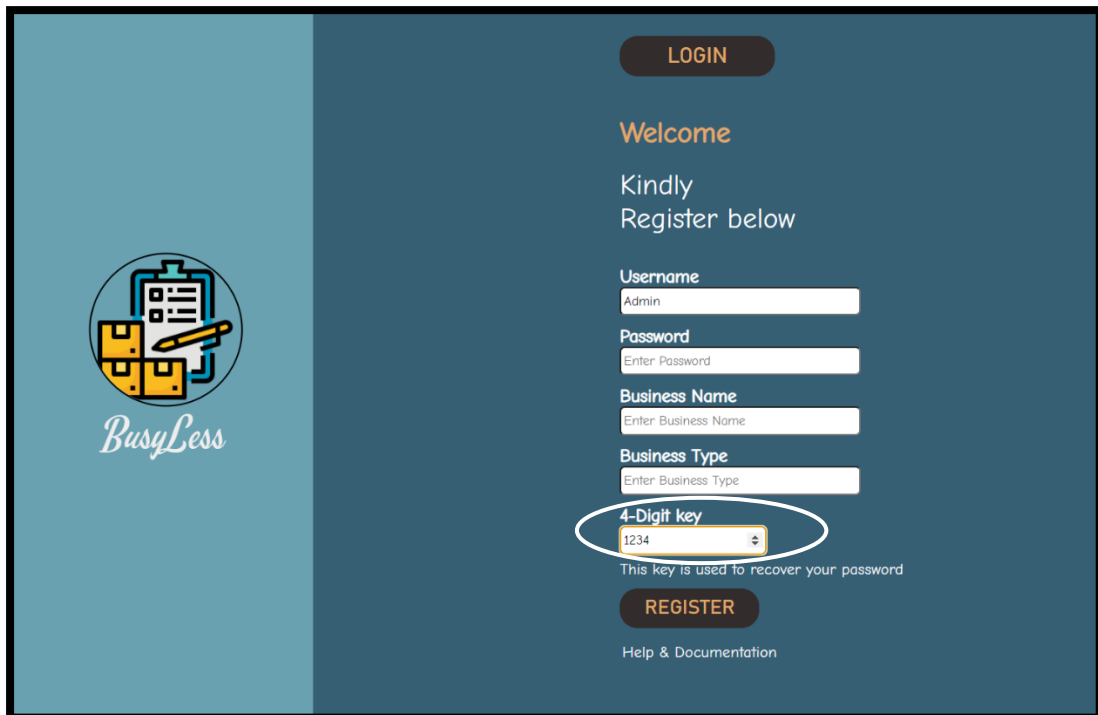
❖ Features added after review:

7. Numeric values:

Allowing only numeric values in key at the time of registration. (Status: PASSED)

8. Consistency & standard: -

Consistency in color and font-style. I have changed it on forms and home page as well.
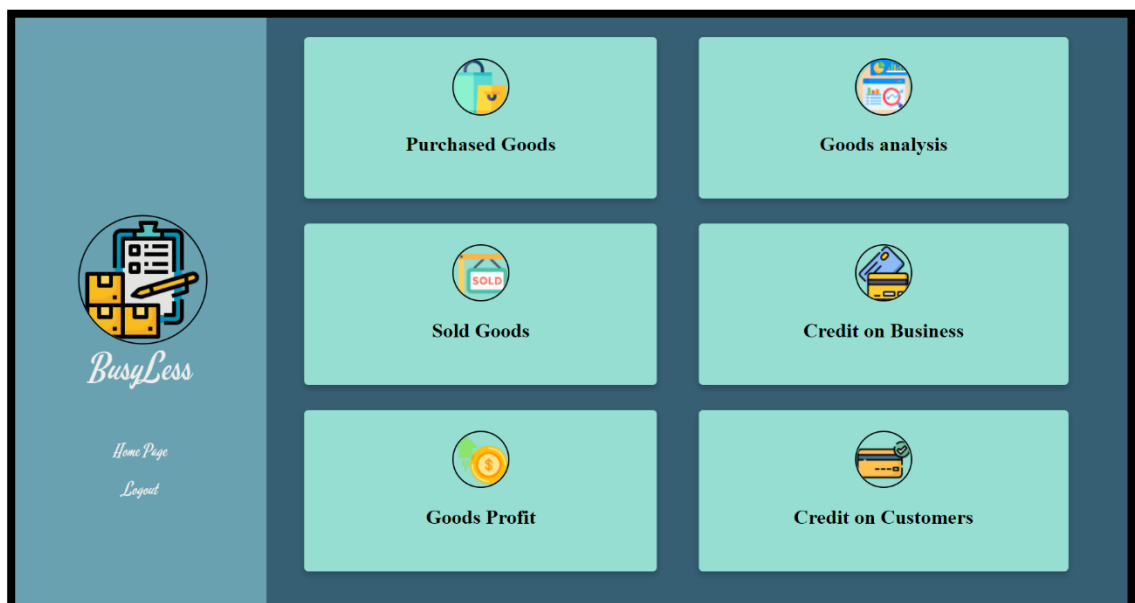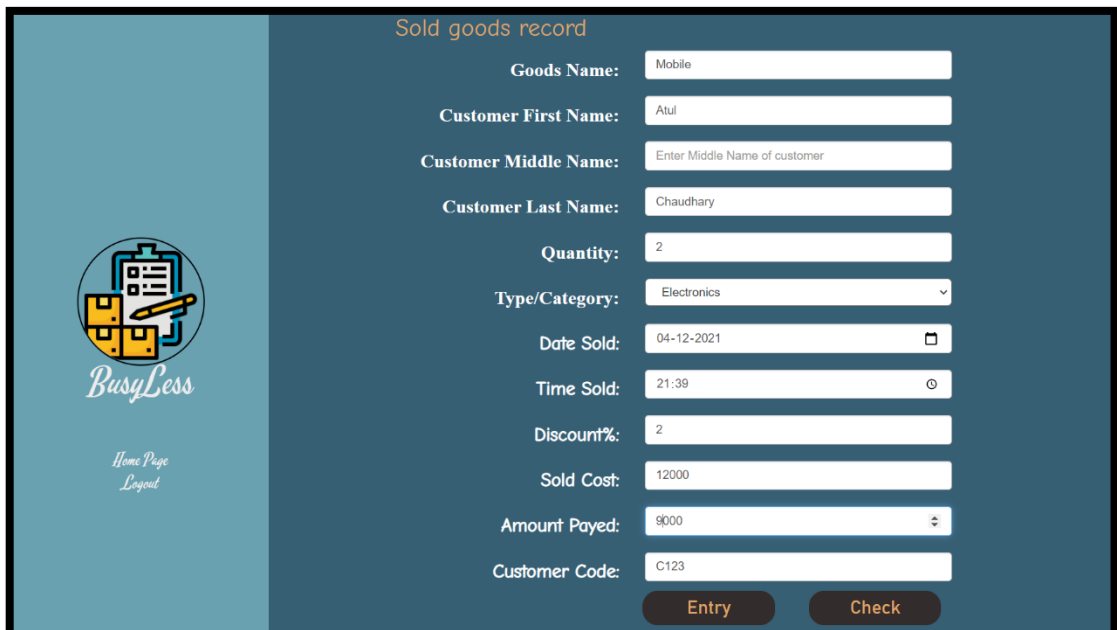(Status: PASSED)

9. Dropdown list:

In business type I have given a dropdown list so that the user gets help from the application in quickly choosing the category/type of product. (Status: PASSED)

10. Auto-generated Codes:

Customer code will get automatically generated for new customers and will be fetched in the form from the database. (Status: PASSED)

❖ **Packaging the Application: -**

To package my application, I have used electron-packager to package my application.
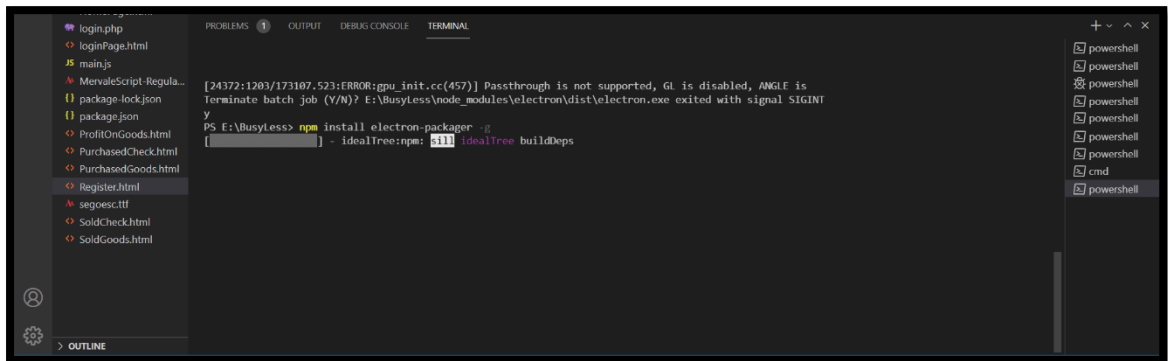
After installing electron-packager we need to package our app but it shows some error due to some PowerShell security policy, to fix it, I Just deleted electron-packager.ps1 file:

File C:\Users\Sheikh Tadeeb\AppData\Roaming\npm\electron-packager.ps1
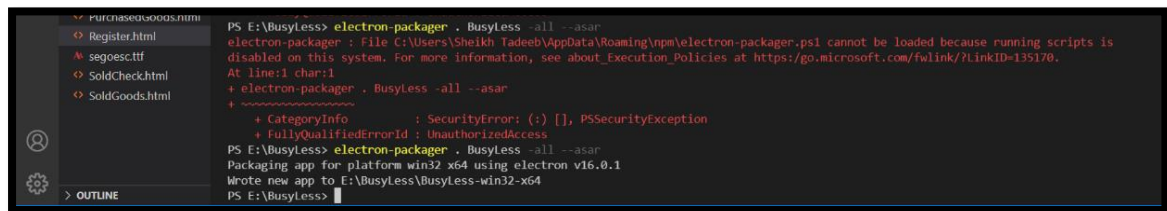
The Application is successfully packaged.
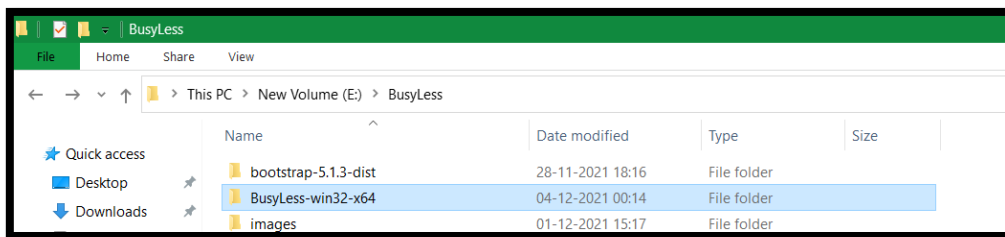
❖ **Deployment of Application on different machine**:-

I had deployed my application on my friend's laptop and it was successfully running.
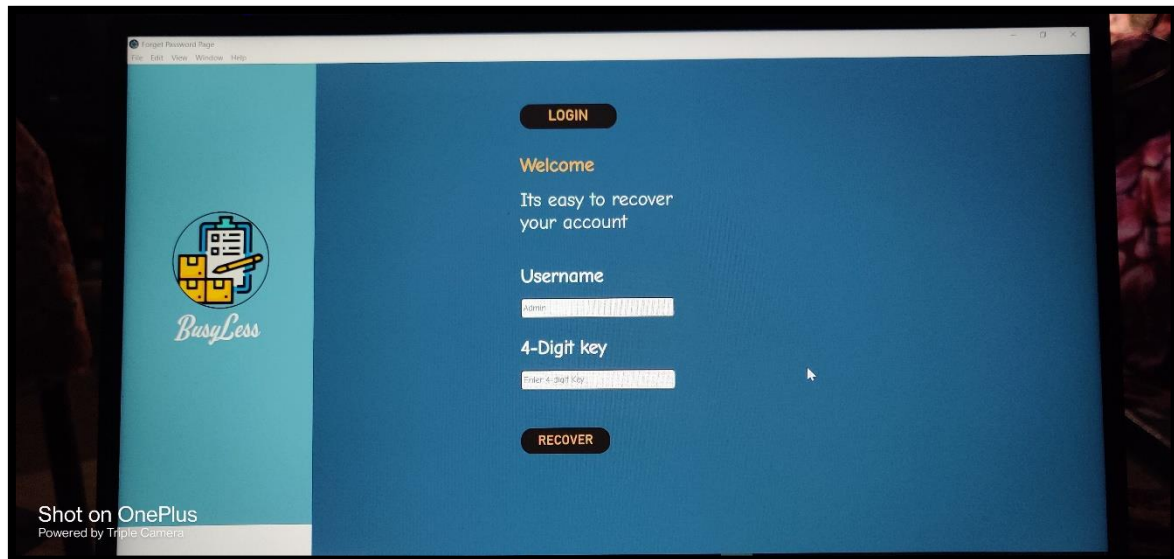
❖ **Black Box Testing:**

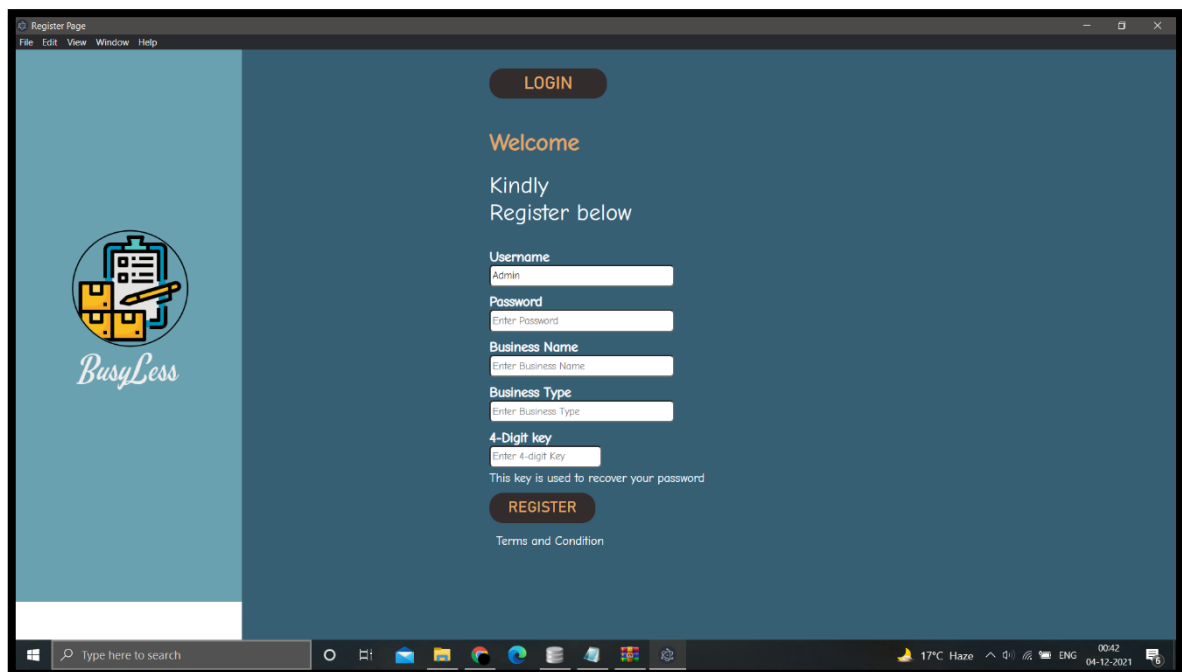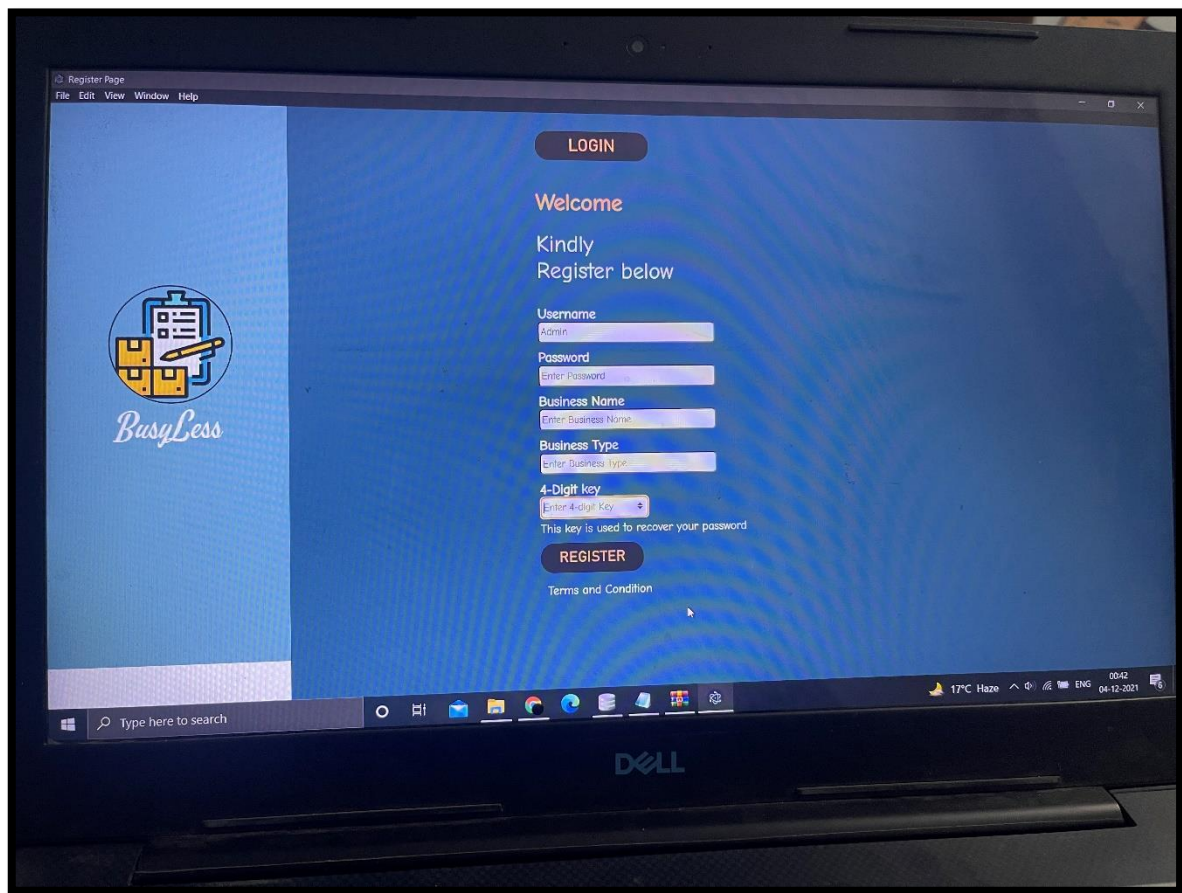| Snos	Test Cases	Response time	Usability	Reliability
1.	Authentication	Very Quick	95%	95%
2.	Authorization	Very Quick	95%	95%
3.	User Control and Freedom	Quick	95%	95%
4.	Identification of Customer Code	Quick	80%	80%
5.	Visibility of system status	Very Quick	90%	90%
6.	Processing on Computer itself	Quick	98%	98%
7.	Searching by name	Quick	85%	85%
8.	API integration	_	0%	0%
9.	Authenticity of Profit values	Quick	98%	98%
10.	Taking Goods sold and purchased data from user	Very Quick	100%	100%
11.	Analysis data on Desktop Application	Quick	95%	95%
12.	Easy Navigation Dashboard	Quick	95%	95%
13.	Smart Decisions	Very Quick	98%	98%
14.	Alert Notifications	Quick	80%	80%

❖ **Feedback from Stakeholder: -**

Stakeholder Review

I had used the application made by Tadeeb. &
I realy liked it. specialy is colour combination
and simple aesthetics as business application
should focus more on solving issues rather than
aesthetics. ofcourse aesthetics are important
upto a limit. All Although Tadeeb has covered
all the requirements but there are some
changes with I which I suggested him as and
an end user. The first is the popup massages
with which comes on screen every time I loging
or do some entry, thats a bit annoying thing for me
secondly the forms are little big. there could be
some way to take audio input or input from
saced data, it will be really a good help but over
all I liked the approach and design of application
wishing him success and luck.