**Purpose of the document**

This document will guide about the local setup of the Master User Management.

It will also brief you about the application like how to add User or Role Or Modules and provide permissions Etc

**Technology used in the application**

1. Java 8
2. Angular 7
3. Spring-Boot Restful Services
4. Spring Data JPA
5. MY SQL
6. JQuery
7. HTML
8. CSS
9. MAVEN 3
10. BootStrap

**Prerequisites**

Below are the resources required to setup the application

1. **Java 8**:

Download java exe file, refer this link <https://www.oracle.com/technetwork/java/javaee/downloads/jdk8-downloads-2133151.html>

1. **Set java path**:

Refer this link

https://www.mkyong.com/java/how-to-set-java\_home-on-windows-10/

1. **Download and Set Maven Path:**

Refer this link

<https://www.mkyong.com/maven/how-to-install-maven-in-windows/>

1. **Node Js:**

Download and install nodejs from

<https://nodejs.org/en/download/>

check your node version using "node --version", it should be 10 or above

1. **Angular CLI:**

Install the Angular CLI by using command **"npm install -g @angular/cli"**

**Verify the installations**

Below are the screen shot to verify the installation

Open your command prompt by pressing window+r, and type cmd in the prompted box

1. **Java** : java –version

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1. Maven : mvn –v

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1. Angular: npm –v

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1. Node: node –v

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**How to do local setup**

Below are the Steps

1. **Import project as existing maven project in eclipse**
2. **Open application.properties file and change the database settings as per local**
3. **Create mysql schema as per application.properies file**
4. **Import the .sql file from src\main\resources\sbscript.sql**

**Database is ready**

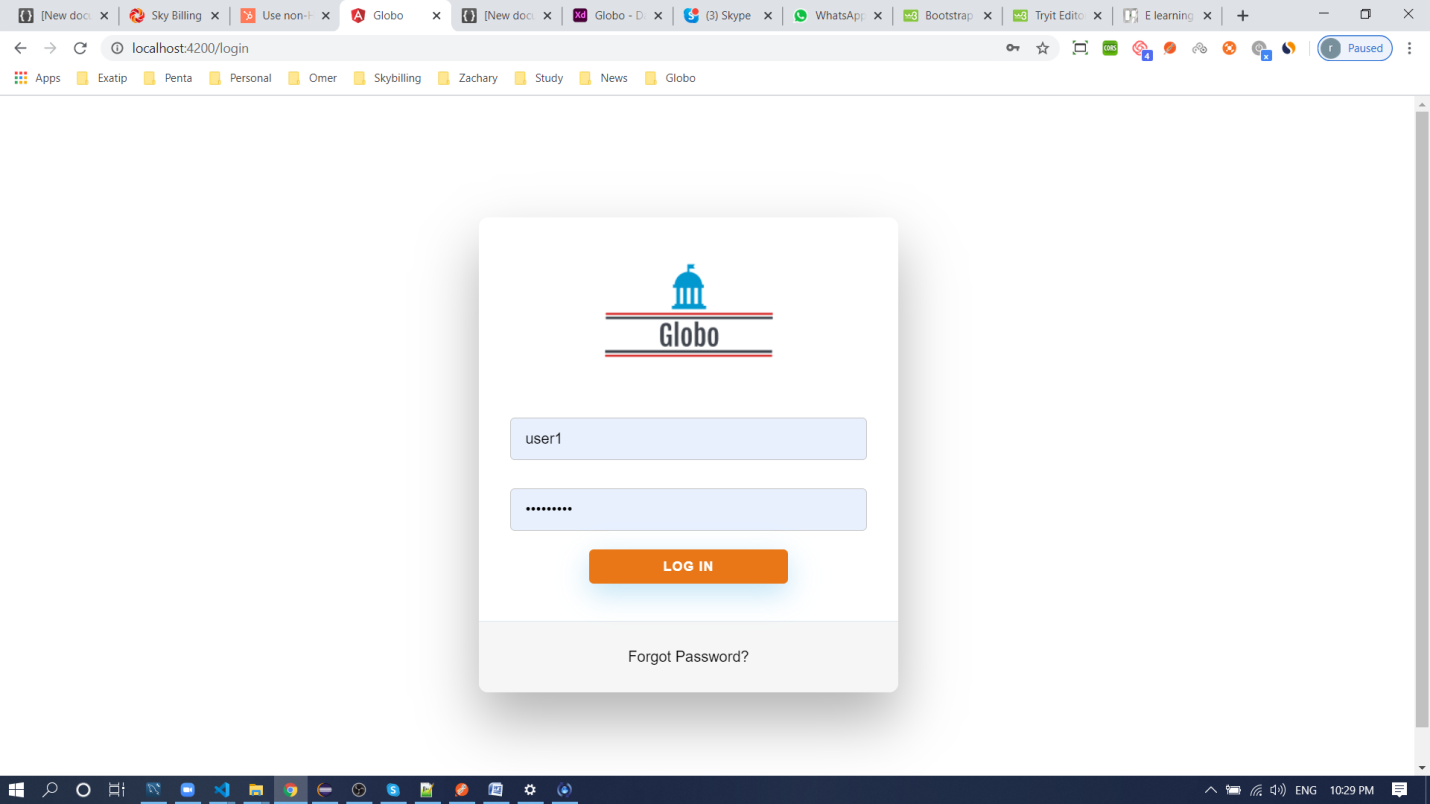
1. **Now from eclipse, right click on the project and run it as Maven Clean and then Maven Install**
2. **Now go to Application.java file and run it as Java Program or set the goal in maven command as “spring-boot:run” and run the maven command**
3. **Back end is started, Now lets run the front end**
4. **Open the web folder in Visual Studio Code**
5. **Open the terminal**
6. **run “npm install”**
7. **Now run “ng serve”**
8. **Once done front end will be started on default port 4200**

**These are the UI**

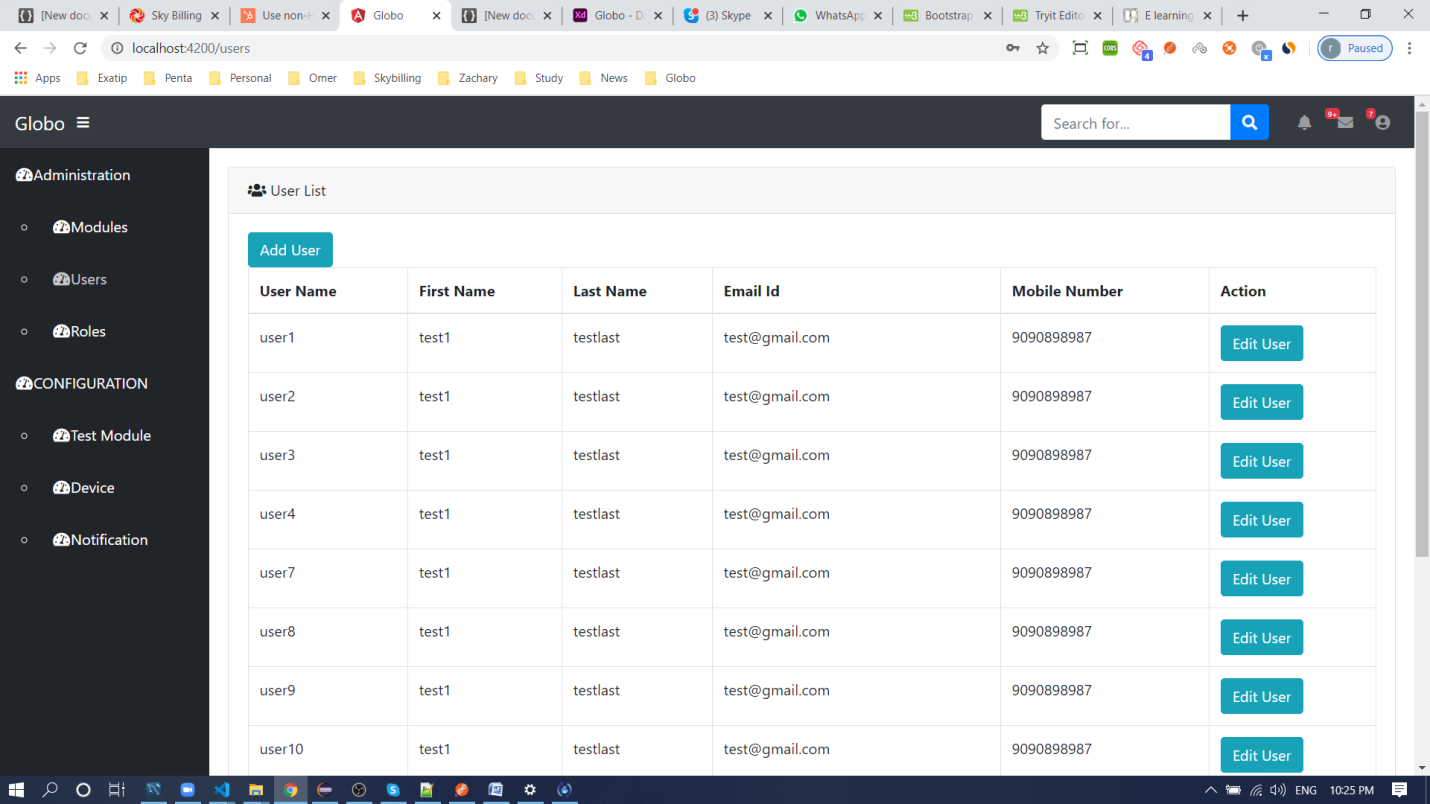
Login with user name and password

username: user1,

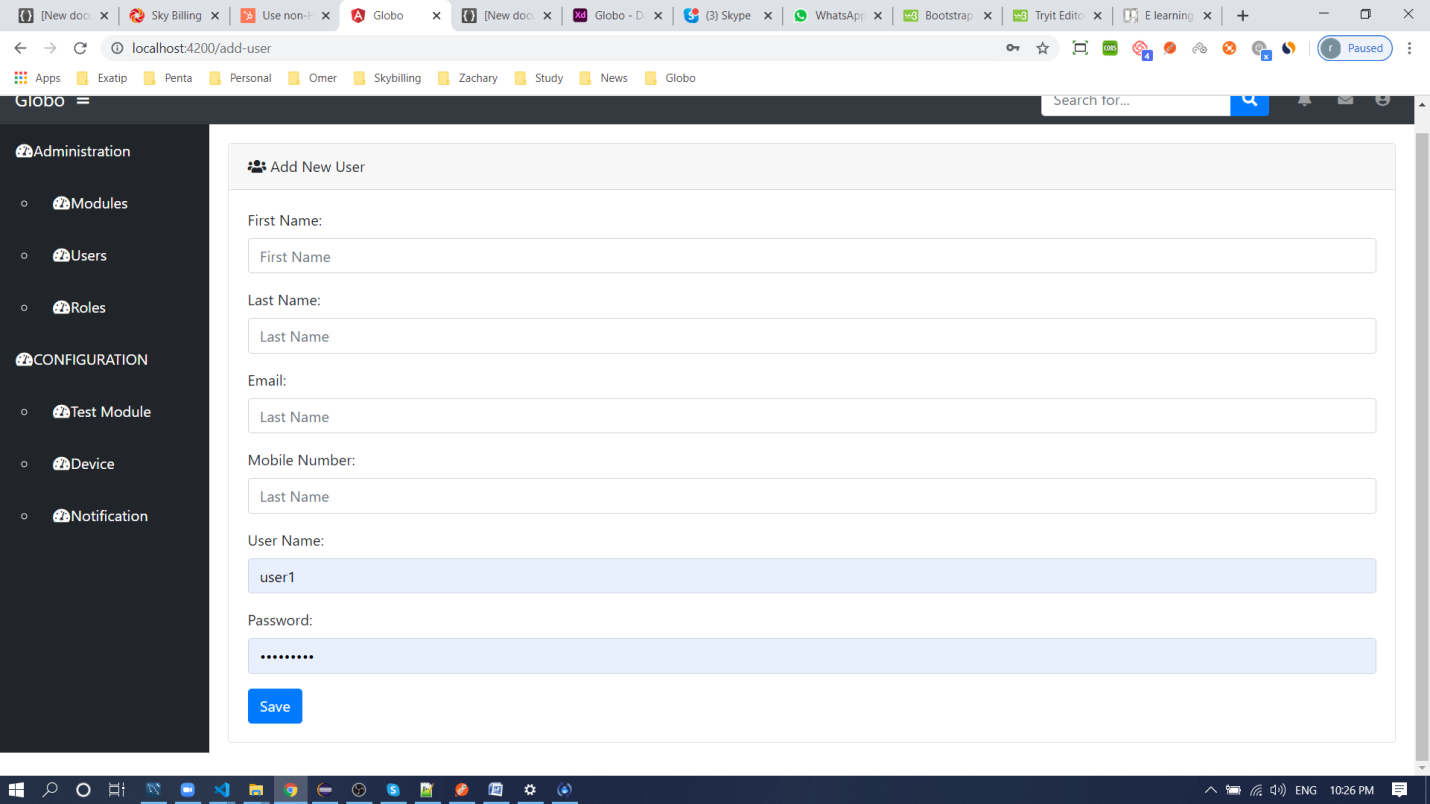
password: password1

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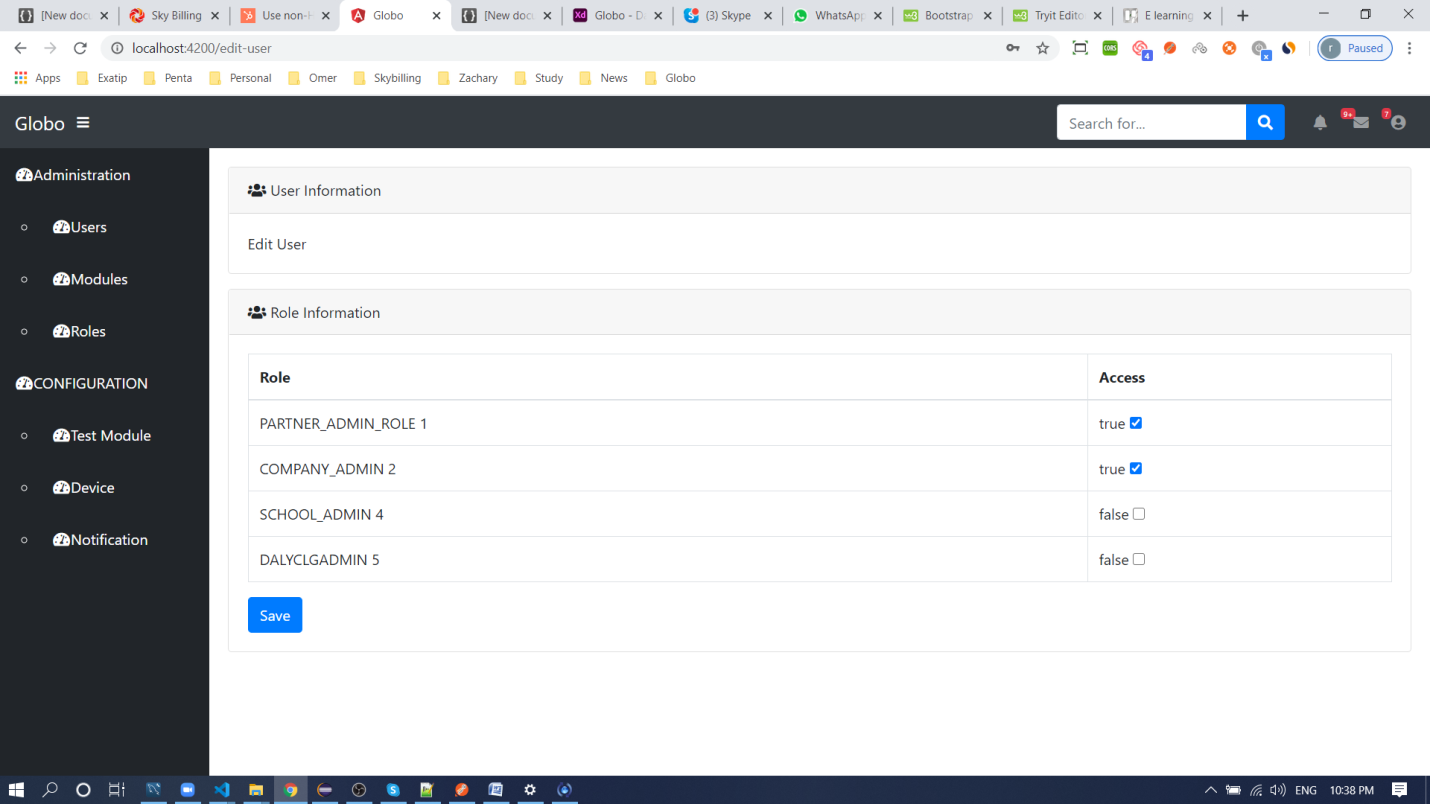
**User List**

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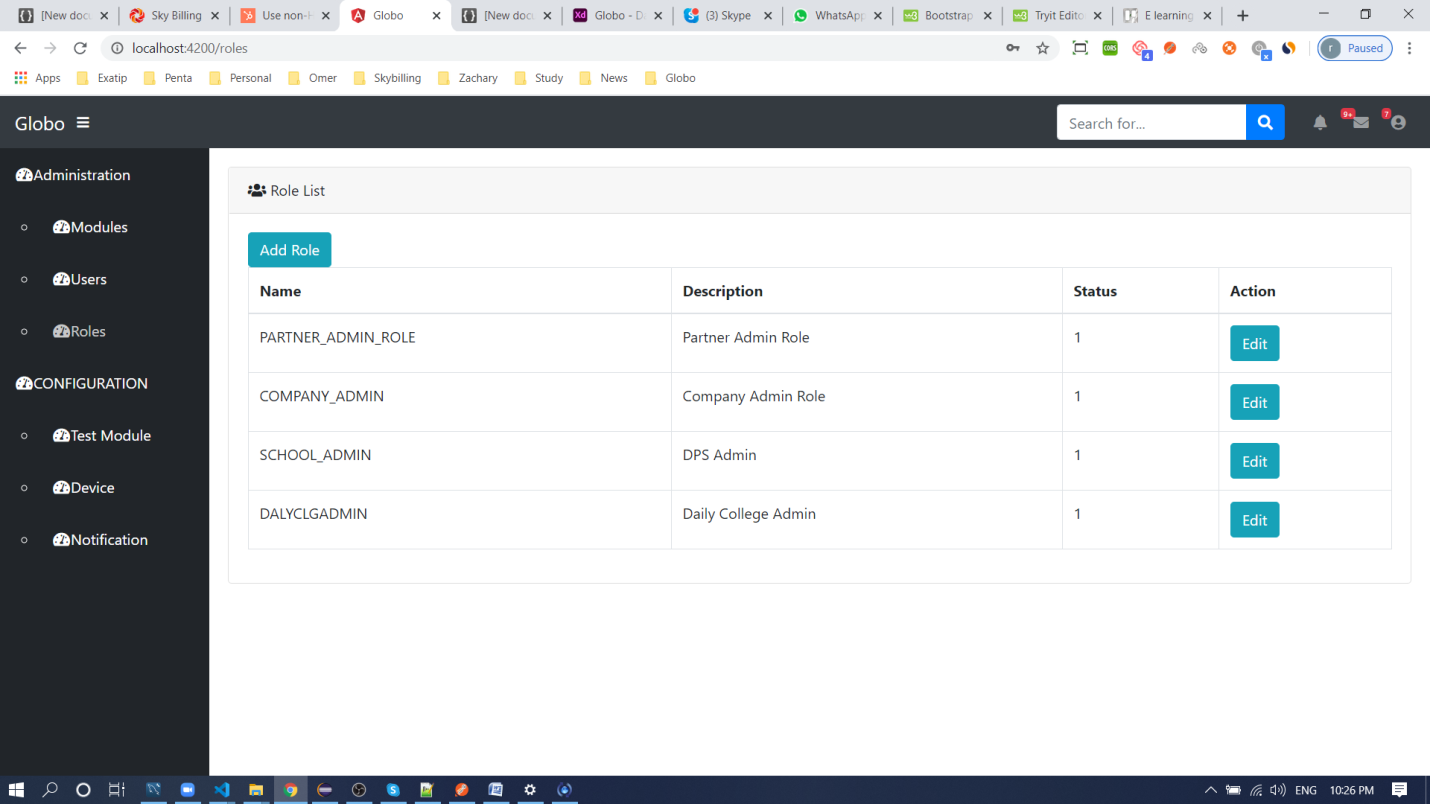
**Add User**

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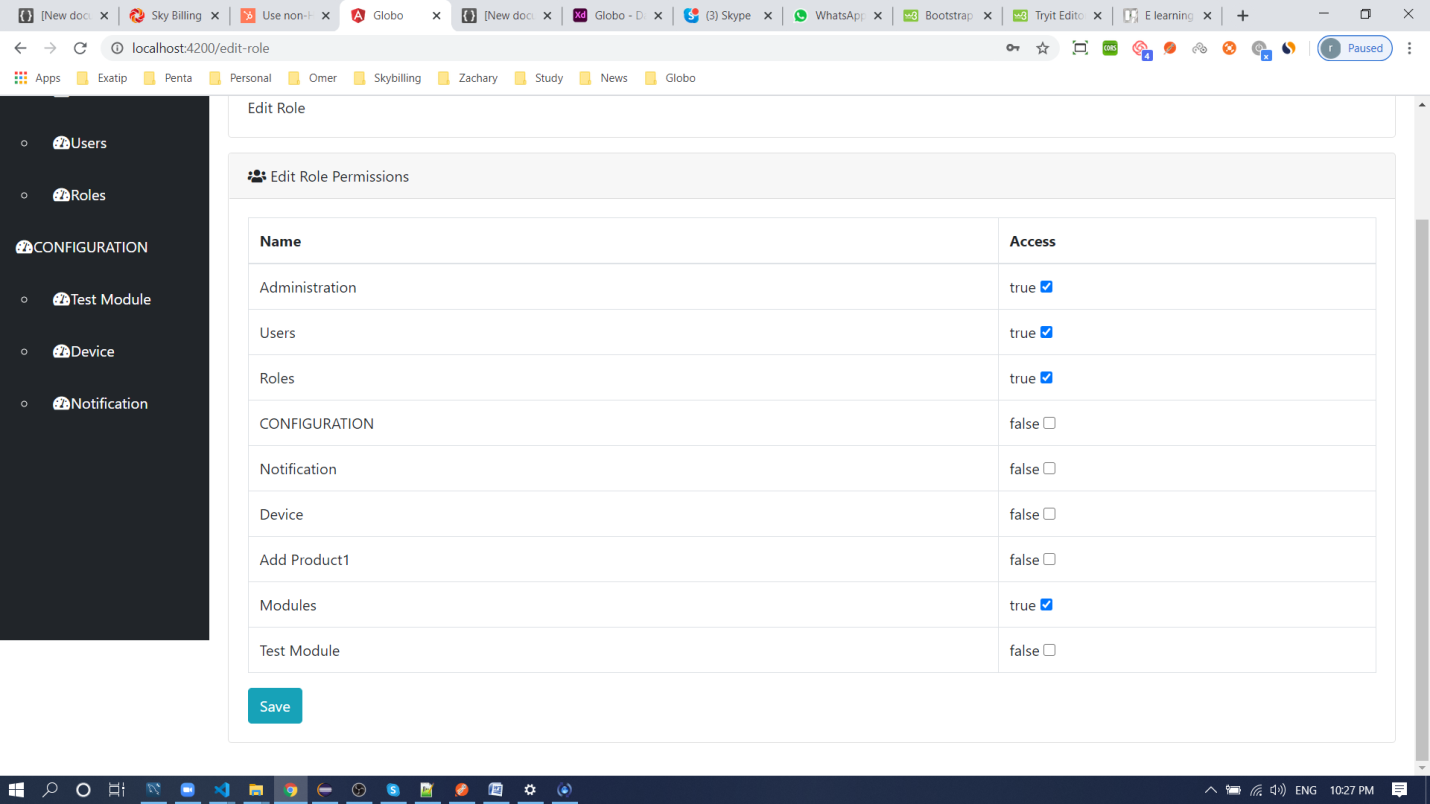
**Edit User: Here you can assign user to the role**

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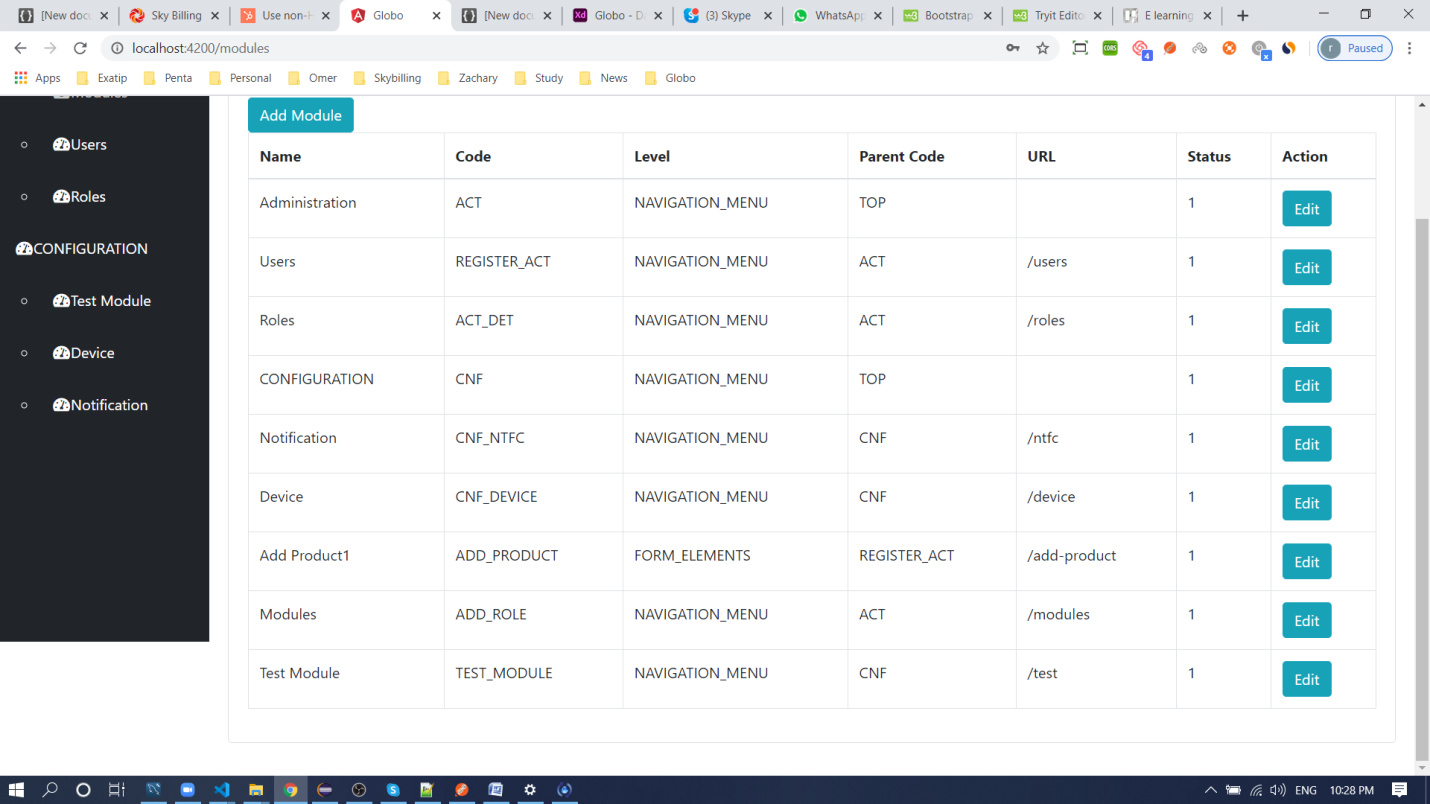
**Role List**

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**Edit Role Permision: Here you can assing modules to the role, only checked module will be visible on left navigation**

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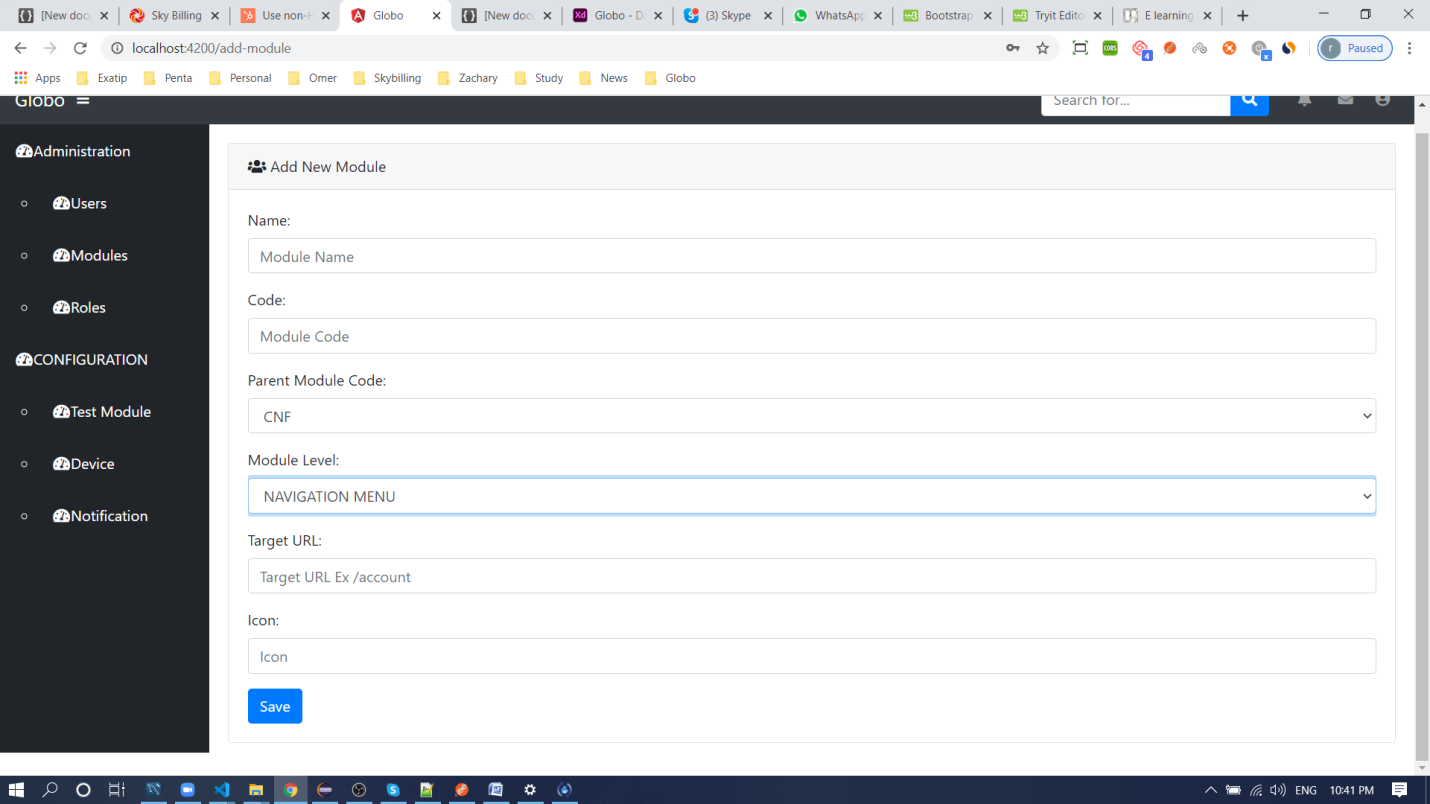
**Module List**

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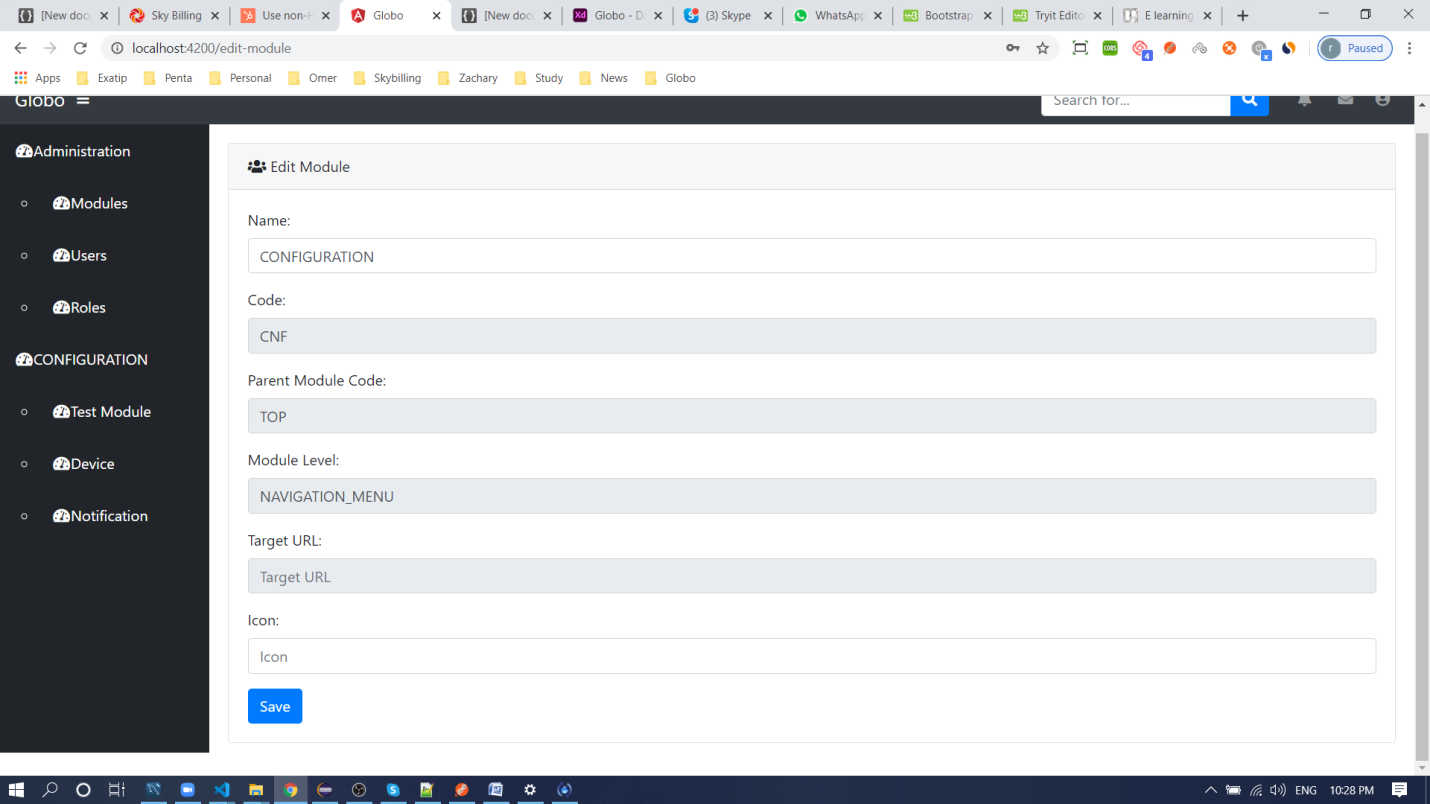
**Add Module: Here you can select Parent Module like in which Main menu the module will be visible like in Administration or Configuration as per given screen shot**

**Here in the screen shot, Parent Module Code is CNF and Module Level is Navigation Menu, it means that it will be a navigation menu under Configuration**

**In Module Level other value is Form Element means it will appear in the form**

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**Edit Module**

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