# client-management-system-using-php-mysql

## PROJECT INTRODUCTION:

Client Management System in PHP MySQL **is a simple web application develop in PHP MySQL Database, Using HTML, CSS JavaScript, Bootstrap, Modal and Ajax, the system contains of adding clients, services, invoices, and reports. It is simple to understand and friendly user, the admin can manage all data on the system, the clients is only can manage by own, functioning to cater all services to provide to clients.**

**Project Name** - client-management-system-using-php-mysql

**Language Used** - PHP5.6, PHP7.x

**Database** - MySQL

**User Interface Design**- HTML, AJAX, JQUERY, JAVASCRIPT

**Web Browser** - Mozilla, Google Chrome, IE8, OPERA

**Software** - XAMPP / Wamp / Mamp / Lamp (anyone)

Use DevOps methodology to deploy this project on cloud

Use following tools:

- GitHub (For Managing source code)
- Jenkins (For achieving continuous integration)
- Aws (For cloud services)
- In Aws: load configeration, Rds, Load Balancer, Autoscaling group, Ec2
- Awscli (As a configuration management tool)

## PROJECT DESCRIPTION:

- This is a
  1. Admin client-management-system-using-php-mysql. This project has two modules:
  2. 2. clients

- admin can only visit the website, check the client related information like add services and check client list etc.

- client can see and manage Client management is the process of overseeing and coordinating an organization's interactions with its clients and potential clients. Note that "clients" and "customers" can be different, in part based on how and what they buy from a company.
- Admin can also update his profile, change the password and recover the password.

## FINAL-OUTPUT:

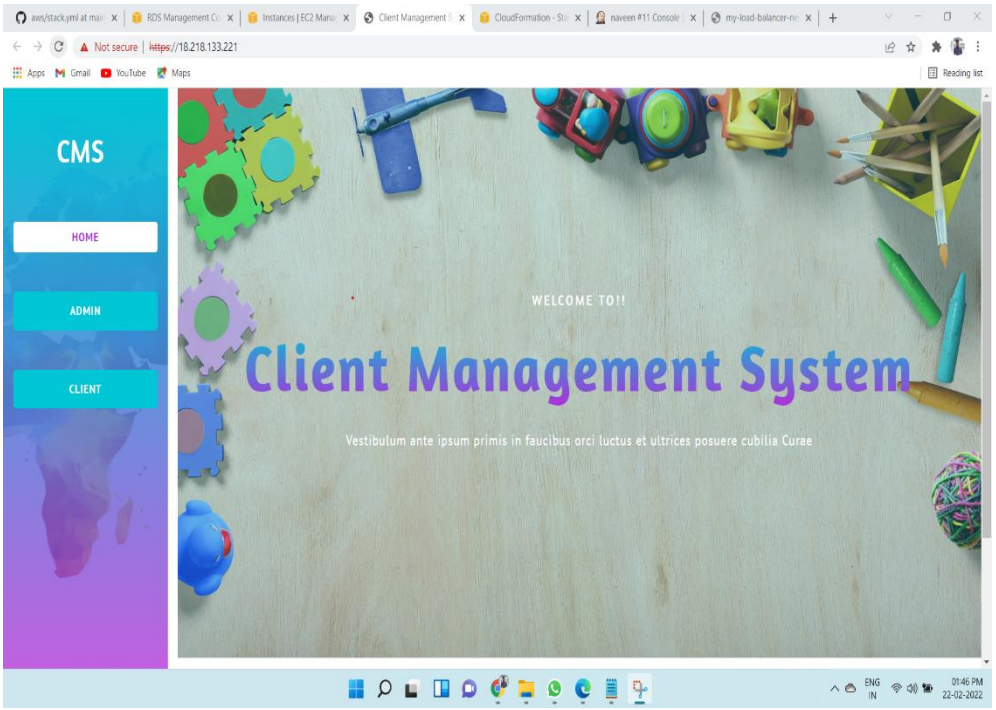
- For testing the admin panel page:

  **Username: admin**
  **Password: Test@123**

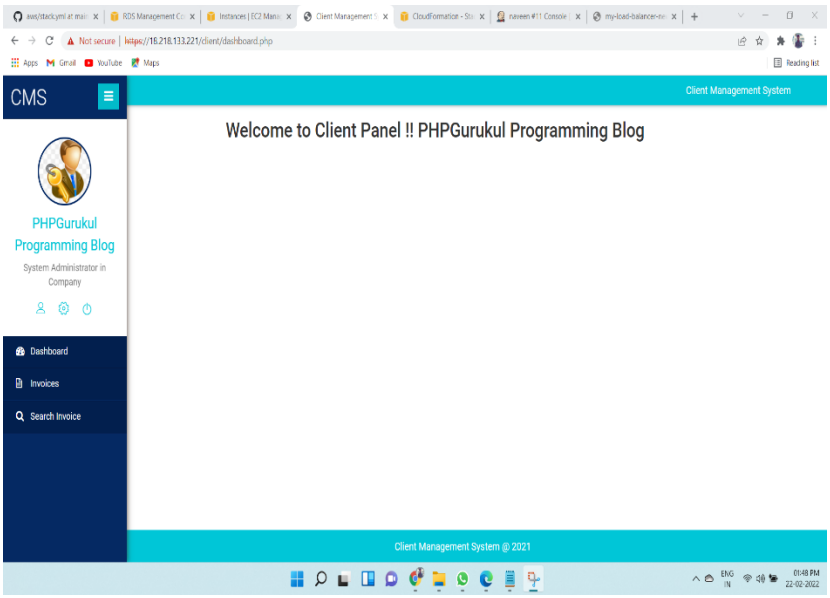
- For testing the client panel page:
-

  **Username: phpgurukulofficial@gmail.com**
  **Password: Test@123**

- Some project output screens

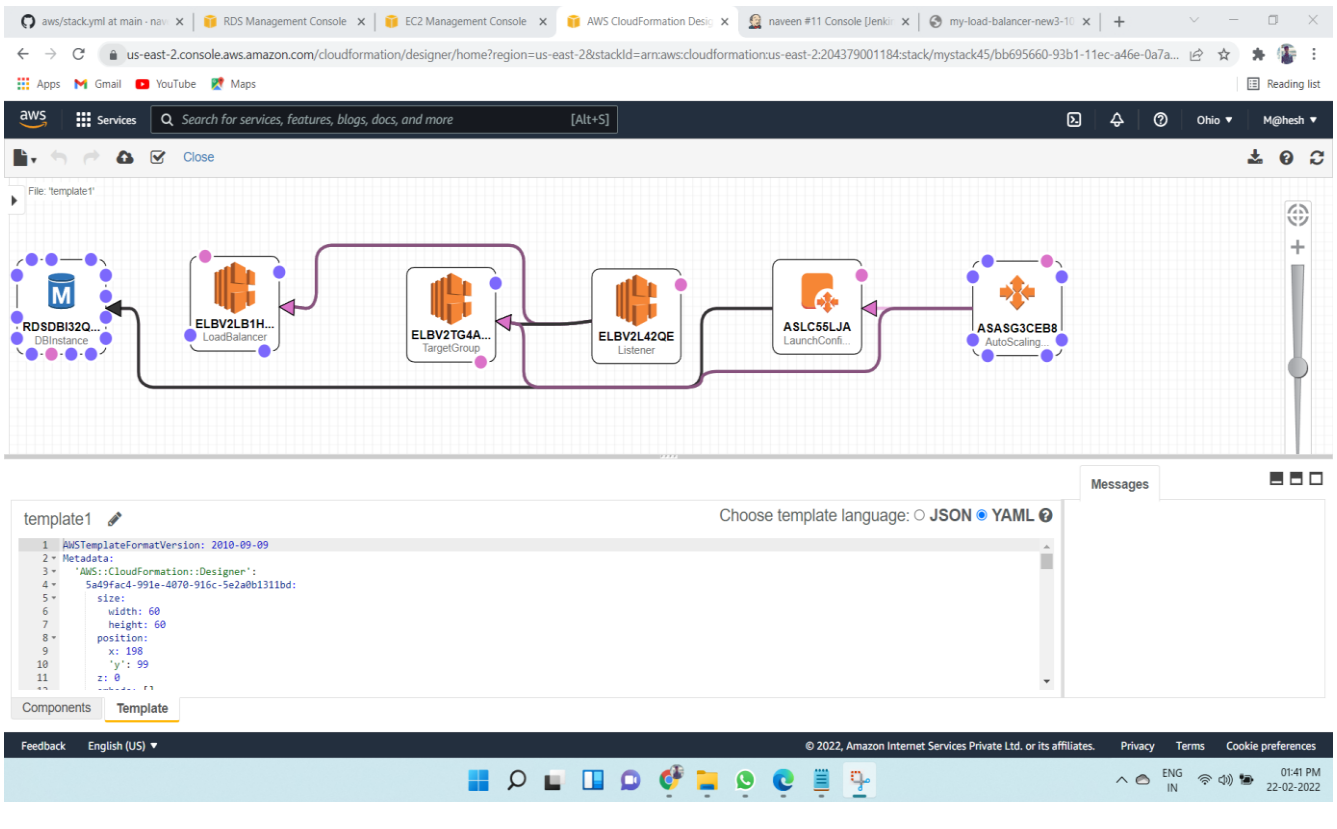

Not secure | https://18.218.133.221
Apps
Gmail
YouTube
Maps
Reading list
CMS
HOME
ADMIN
CLIENT
WELCOME TO!!
Client Management System
Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae
ENG
IN
01:46 PM
22-02-2022

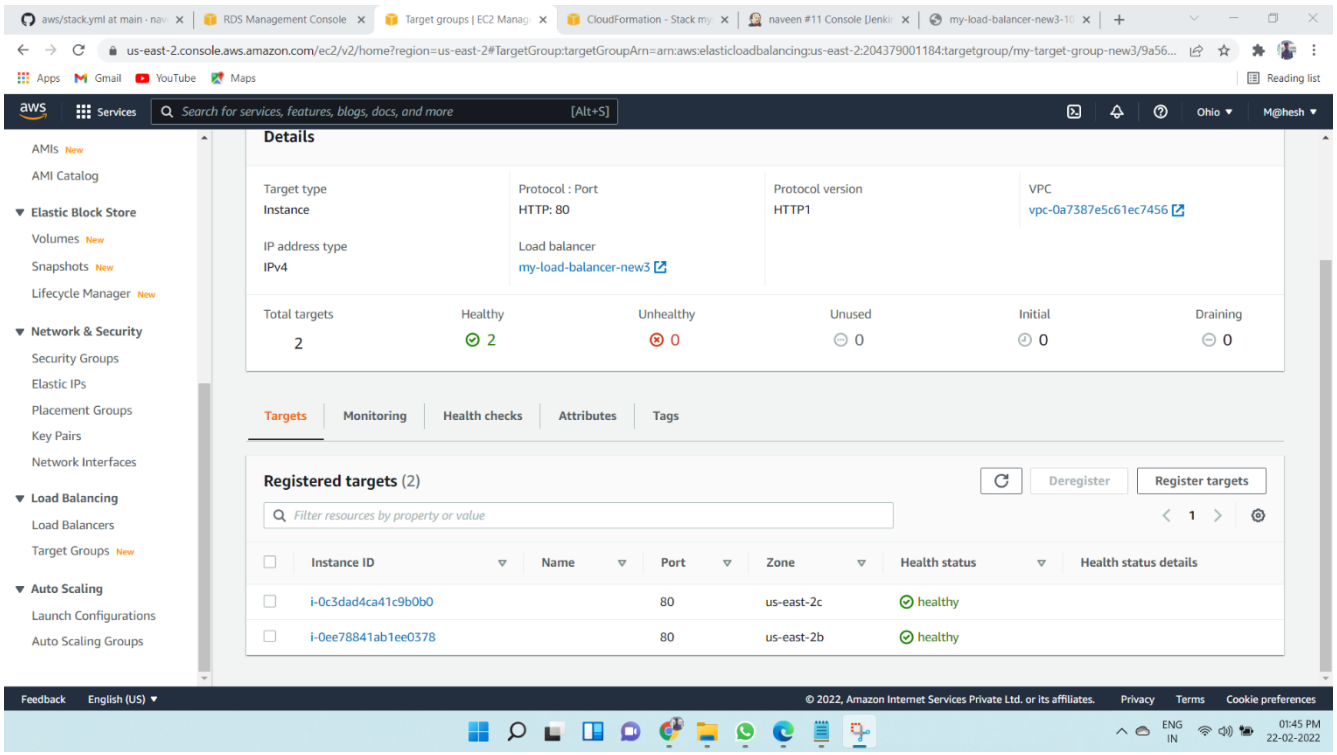

Not secure | https://18.218.133.221/admin/dashboard.php
Apps
Gmail
YouTube
Maps
Reading list
CMS
Client Management System
Admin
Total
Clients
6
Total
Services
12
Today
Sales($)
Yesterday
Sales($)
Last Sevendays
Sale($)
Total
Sales($)
2563
Dashboard
Services
Add Clients
Clients List
Invoices
Reports
Search Invoice
Client Management System @ 2021
ENG
IN
01:47 PM
22-02-2022




# Console Output

```
Started by user B MAHESH KUMAR
Obtained createstack from git https://github.com/naveen101999/aws.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/naveen
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
using credential naresh
 > git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/naveen/.git # timeout=10
Fetching changes from the remote Git repository
 > git config remote.origin.url https://github.com/naveen101999/aws.git # timeout=10
Fetching upstream changes from https://github.com/naveen101999/aws.git
 > git --version # timeout=10
 > git --version # 'git version 2.25.1'
using GIT_ASKPASS to set credentials maresh
 > git fetch --tags --force --progress -- https://github.com/naveen101999/aws.git +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 202b1d214105b0e1d6483ba4595aff02077629ac (refs/remotes/origin/main)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f 202b1d214105b0e1d6483ba4595aff02077629ac # timeout=10
Commit message: "Update createstack"
 > git rev-list --no-walk c441bc8b3f7ed6da3c2e312636cf0c00f1d0c0c5 # timeout=10
```






# code formation and Process:

Using some smile attributes we design the code for the creation of RDS, Auto Scaling group, load balancer, Ec2 server Machine, cloud matrix for alarms

```
AWSTemplateFormatVersion:
2010-09-09
                        Metadata:
                          'AWS::CloudFormation::Designer':
                            5a49fac4-991e-4070-916c-5e2a0b1311bd:
                              size:
                                width: 60
                                height: 60
                              position:
                                x: 198
                                'y': 99
                              z: 0
                              embeds: []
                            fef8a509-ced8-430b-81d1-a353eb3cbb59:
                              size:
                                width: 60
                                height: 60
                              position:
                                x: 315
                                'y': 97
                              z: 0
                              embeds: []
                            b943b41c-78a1-4c80-b3ab-ea3c57fca06f:
                              size:
                                width: 60
                                height: 60
                              position:
```

```
        x: 461
        'y': 104
      z: 0
      embeds: []
    f135fd8f-ac4f-48ab-8ad3-5625d0c5d2ad:
      size:
        width: 60
        height: 60
      position:
        x: 586
        'y': 105
      z: 0
      embeds: []
      dependson:
        - fef8a509-ced8-430b-81d1-a353eb3cbb59
        - b943b41c-78a1-4c80-b3ab-ea3c57fca06f
    355e45e0-9d36-49a7-8d8d-fc3b7f760b9c:
      size:
        width: 60
        height: 60
      position:
        x: 708
        'y': 99
      z: 0
      embeds: []
    1453d6ad-0801-4957-a2f6-c9cc5887b06b:
      size:
        width: 60
        height: 60
      position:
        x: 843
        'y': 100
      z: 0
      embeds: []
      dependson:
        - b943b41c-78a1-4c80-b3ab-ea3c57fca06f
Resources:
  RDSDBI32QQE:
    Type: 'AWS::RDS::DBInstance'
    Properties:
      AllocatedStorage: 10
      Engine: MySQL
      MasterUsername: admin
      MasterUserPassword: Naveen1999
      DBInstanceClass: db.t2.micro
      DBName: clientmsdb
      DBInstanceIdentifier: rds31
      VPCSecurityGroups:
        - sg-03723ff32a5606bda
      EngineVersion: 5.7
```

```
    PubliclyAccessible: true
  Metadata:
    'AWS::CloudFormation::Designer':
      id: 5a49fac4-991e-4070-916c-5e2a0b1311bd
ELBV2LB1HUDC:
  Type: 'AWS::ElasticLoadBalancingV2::LoadBalancer'
  Properties:
    Name: my-load-balancer-new3
    Subnets:
      - subnet-08f3fd927977dc180
      - subnet-02ac0c9e52da309ab
    IpAddressType: ipv4
  Metadata:
    'AWS::CloudFormation::Designer':
      id: fef8a509-ced8-430b-81d1-a353eb3cbb59
ELBV2TG4A6L0:
  Type: 'AWS::ElasticLoadBalancingV2::TargetGroup'
  Properties:
    Name: my-target-group-new3
    Port: 80
    Protocol: HTTP
    VpcId: vpc-0a7387e5c61ec7456
  Metadata:
    'AWS::CloudFormation::Designer':
      id: b943b41c-78a1-4c80-b3ab-ea3c57fca06f
ELBV2L42QE:
  Type: 'AWS::ElasticLoadBalancingV2::Listener'
  Properties:
    LoadBalancerArn: !Ref ELBV2LB1HUDC
    Port: 80
    Protocol: HTTP
    DefaultActions:
      - Type: forward
        TargetGroupArn: !Ref ELBV2TG4A6L0
  Metadata:
    'AWS::CloudFormation::Designer':
      id: f135fd8f-ac4f-48ab-8ad3-5625d0c5d2ad
  DependsOn:
    - ELBV2LB1HUDC
    - ELBV2TG4A6L0
ASLC55LJA:
  Type: 'AWS::AutoScaling::LaunchConfiguration'
  Properties:
    LaunchConfigurationName: my-lc-new3
    ImageId: ami-0fb653ca2d3203ac1
    InstanceType: t2.micro
    IamInstanceProfile: role_all
    KeyName: Ec2all
    SecurityGroups:
      - sg-03723ff32a5606bda
```

```
      UserData:
        'Fn::Base64': !Sub
        - |
          #!/bin/bash
          sudo apt-get update -y
          sudo apt-get upgrade -y
          sudo wget https://www.apachefriends.org/xampp-
files/8.1.2/xampp-linux-x64-8.1.2-0-installer.run
          sudo chmod 755 xampp-linux-x64-8.1.2-0-installer.run
          sudo ./xampp-linux-x64-8.1.2-0-installer.run
          Y
          Y
          ENTER
          Y
          sudo apt install net-tools
          sudo /opt/lampp/lampp start
          sudo rm -rf /opt/lampp/htdocs/*
          sudo chmod 777 /opt/lampp/htdocs
          sudo git clone https://github.com/naveen101999/aws.git
          sudo cp -r aws/cms/clientms/* /opt/lampp/htdocs
          sudo chmod 777 /opt/lampp/htdocs/includes/dbconnection.php
          sudo sed -i.bak 's/localhost/${endpoint}/g'
/opt/lampp/htdocs/includes/dbconnection.php
          sudo sed -i.bak 's/localhost/${endpoint}/g'
/opt/lampp/htdocs/admin/includes/dbconnection.php
          sudo sed -i.bak 's/localhost/${endpoint}/g'
/opt/lampp/htdocs/client/includes/dbconnection.php
          sudo chmod 777 /opt/lampp/etc/extra/httpd-xampp.conf
          sudo sed -i.bak 's/local/all granted/g'
/opt/lampp/etc/extra/httpd-xampp.conf
          sudo chmod 755 /opt/lampp/etc/extra/httpd-xampp.conf
          sudo /opt/lampp/lampp restart
          sudo chmod 777 /opt/lampp/phpmyadmin/config.inc.php
          sudo echo '$cfg["Servers"][$i]["verbose"] = "Amazon RDS";'
>> /opt/lampp/phpmyadmin/config.inc.php
          sudo echo '$cfg["Servers"][$i]["host"] = "${endpoint}";' >>
/opt/lampp/phpmyadmin/config.inc.php
          sudo echo '$cfg["Servers"][$i]["user"] = "admin";' >>
/opt/lampp/phpmyadmin/config.inc.php
          sudo echo '$cfg["Servers"][$i]["password"] = "Naveen1999";'
>> /opt/lampp/phpmyadmin/config.inc.php
          sudo echo '$cfg["Servers"][$i]["port"] = "3306";' >>
/opt/lampp/phpmyadmin/config.inc.php
          sudo echo '$cfg["Servers"][$i]["auth_type"] = "config";' >>
/opt/lampp/phpmyadmin/config.inc.php
          sudo echo '$cfg["Servers"][$i]["AllowNoPassword"] = true;'
>> /opt/lampp/phpmyadmin/config.inc.php
          sudo chmod 400 /opt/lampp/phpmyadmin/config.inc.php
          sudo /opt/lampp/lampp restart
          sudo apt install mysql-client-core-8.0
```

```
                sudo mysql -h ${endpoint} -u admin --password=Naveen1999
clientmsdb < /aws/cms/SQL\ File/clientmsdb.sql
        - endpoint: !GetAtt RDSDBI32QQE.Endpoint.Address
    Metadata:
      'AWS::CloudFormation::Designer':
        id: 355e45e0-9d36-49a7-8d8d-fc3b7f760b9c
    DependsOn:
      - RDSDBI32QQE
  ASASG3CEB8:
    Type: 'AWS::AutoScaling::AutoScalingGroup'
    Properties:
      AutoScalingGroupName: my-asg-new3
      LaunchConfigurationName: my-lc-new3
      AvailabilityZones:
        - us-east-2b
        - us-east-2c
      DesiredCapacity: 2
      MaxSize: 3
      MinSize: 2
      TargetGroupARNs:
        - !Ref ELBV2TG4A6L0
    Metadata:
      'AWS::CloudFormation::Designer':
        id: 1453d6ad-0801-4957-a2f6-c9cc5887b06b
    DependsOn:
      - ELBV2TG4A6L0
      - ASLC55LJA
       EC2SecurityGroup:
        Type: "AWS::EC2::SecurityGroup"
        Properties:
            GroupDescription: "Database instances security group"
            VpcId: !Ref VPC
            SecurityGroupIngress:
              -
                CidrIp: "*.*.*.*/32"
                FromPort: 3306
                IpProtocol: "tcp"
                ToPort: 3306
            SecurityGroupEgress:
              -
                CidrIp: "0.0.0.0/0"
                IpProtocol: "-1"
```

## creation of stack code:

```
pipeline{
               agent any
                 stages{
                    stage('hosting application'){
                     steps{
```

```
            sh "ls"
             sh "aws cloudformation create-stack --stack-name mystack45 --template-body
file://awscli/stack.yml --region us-east-2"
             sh "aws ec2 create-key-pair --key-name MyKeyPair"
          }
         }
        }
      }
```

## REFERENCES:

- GitHub URL: **https://github.com/naveen101999/aws**
- **project base code :**
- https://phpgurukul.com/client-management-system-using-php-mysql