SSN Club Management System

UIT1511 – SOFTWARE DESIGN LAB

A PROJECT REPORT

Submitted by

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Sri Sivasubramaniya Nadar College of Engineering

(An Autonomous Institution, Affiliated to Anna University)

BONAFIDE CERTIFICATE

Certified that this project titled “SSN Club Management System” is the bonafide work of “Surya M 205002108, Sushmitha S 205002109, Swaminathan N 205002110, Swetha Subramanian 205002111”, and is submitted for project viva-voce examination held on 28.11.2022.

Signature of examiner(s)

Ex:1

Abstract of the project

Problem Statement:

There are many clubs in a college, and it is hard to keep track of the events conducted by each one of them. The organizers must know the schedule so that their event doesn't clash with other club's events. The students must be fully aware of the schedule so that they can prioritize and don't miss out on the important events.

Motivation:

Students have to be given the opportunity to pursue their hobbies and participate in the events they are interested in. Due to hectic schedules and improper communications college students often miss out on the opportunity to grow their passion. Hence a website is required to facilitate the work of SSN clubs.

Ex:2

Introduction:

Objectives:

To create a platform for efficient management of the SSN clubs by the teacher in charge and club heads.

- To keep ssn students updated on the various clubs of SSN and their events.
- To build a system that allows the incharge to add new clubs
- To update the details of clubs and the club heads
- To provide club heads the access to update the details of their respective clubs, add events etc
- To enable club heads to keep track of their club members and their details to keep them posted regarding upcoming events.
- To ensure the schedules of multiple clubs' events don't clash with each other so that students can attend all the events that they are interested in.
- To allow students to join clubs, register for events and keep track of their activities across various clubs.

<u>Deliverables</u>:

- Login module for students , club heads and teacher incharge.
- A registration module for the students to access the SSN clubs page.
- To provide detailed information about the clubs of SSN.
- Facilitate students to join clubs and events that they are interested in.
- To keep the students updated regarding all the events of various clubs and enable them to register.

Ex:3

Client details

- Students
- Teacher In Charge
- Club Heads

Functional modules.

- Home Page
- Login / register Page
- User Authentication
- Dashboard
- Club Page
- Gallery
- User Profile
- Register Events
- Create Club
- Delete Club
- Edit Club
- Add Upcoming Events
- Delete Events

Ex:4

Modules in terms of epic and user stories under each epic

Sprint #	Epic	User Story #	User story	Essentials or Deliverables	Description of the Requirement	Remarks
1.	Home Page	1.	As a user I must be able to view the Home page showing the welcome message and have two options to either register or login.	Deliverables	Create a heading showing "welcome to SSN Clubs" in and justify the contents in the center. Create two buttons below the heading showing the options to either register or login	Well - understood
		2.	When the User clicks the button the page should redirect to the appropriate login or register page		Add appropriate hyperlink to the button tags so that on click it redirects to the required page	
2.	Register Page	1.	As a user I must be able to provide personal information and set a password to register.	Essentials	Create a form to get all the users information and get password from the user.	Well - understood
		2.	After getting the information there should be submit button to submit the details and complete the registration		Add a submit button to submit the data to database	

3.	Login Page	1. 2.	As a user must be able to login the page using username and password. After getting the username there should be login button	Essentials	create a form to get the username and password from the user. Add a login button and on click link it to the dashboard	Well - underst ood
4.	Dashbo ard	1. 2. 3.	Users must be able to see a dashboard which has a list of all the available clubs. For each clubs there should be a "know More" button which moves it to the appropriate club page There should be a navigation bar in the dashboard, In case of student login: The contents of the navigation bar are profile and logout. In case of Teacher Incharge: The contents are New Clubs, profile, logout	Essentials	create a separate container like structure for each clubs and list as in the form of cards Add a "Know More" button at the end of each card and on click redirect it to the appropriate club page. In the Teacher Incharge login: Add link tags to profile page, logout and add a new clubs to the database	Well - underst ood
4	User-A uthenti cation	1.	Users with SSN mail id credentials can only be able to register.	Essentials	Authenticate only the users with SSN mail credentials. Allow the users with correct username and password to login the page	Well - underst ood
5.	Club page	1. 2.	In the navigation bar there should be club icons, about, Domains, Event, Gallery, Profile, ContactUs. Add the title of club name in bold and add information like About,	Essentials	Add the above listed contents in the navigation bar and link the appropriate sections to the link tag. At the end of the club page add the contact	Well - underst ood

			Domains, Event, Contact Us of the club		details and information about the club members	
6.	User Profile	1. 2.	It should display information about the user and clubs they are enrolled in. There has to logout option in the profile page to exit from the website	Deliverables	Create a card structure to display the Name, year, Department, and clubs they are enrolled in. Add a logout button at the end of page to exit and return to home page	Well - underst ood
7.	CRUD operati on on Clubs	1. 2.	The option of creating, deleting or editing the clubs should be given only to the teacher incharge of the clubs. The create and Edit option takes input from the user in forms and display the club pages	Essentials	Only the user who has logged in as teacher in charge should be able to access the CRUD operations of the clubs. Creation and deletion process takes input from the user in forms and apply the changes and store it in database and display the appropriate changes	Well - underst ood
8.	Gallery Page	1.	It is a platform to store all the pictures taken during the events and display them.	Deliverables	On clicking the View More Button under the gallery section it redirects to the gallery page and show all the pictures Clicking on each picture should make it look larger and has an option to close it.	Well - underst ood
9.	Add Upcomi	1.	The user who has logged in as a club head only	Essentials	In Club page the club head can create new events using a form and provide information	Well - underst ood

	ng Events		should have access to add new events		regarding the events and upload a google form to register for the events Once an event has been posted all the registered users should receive the mail saying the same.	
10.	Delete Events	1.	In club page only the club heads can delete the events	Essentials	The users who has logged in as club head should only have access to delete the events	Well - underst ood

Individual Contributions:

Name	Register Number	Role in project
Surya	205002108	Frontend - home page, club page, user profile, documentation, modules
Swetha	205002111	Backend - Email module, login and register and student module, use case diagrams
Swaminathan	205002110	Frontend - dashboard, login and registration module, documentation, risk management
Sushmitha	205002109	Backend - Admin and incharge module, documentation, uml diagrams

Ex:5

Risk Management [Sprint wise]

Risk #	Risk Description	Probability	Impact	Mitigation Plan
1	Fake user registrations	High	Huge	Authenticate users via email
2	Insufficient storage of data	Medium	Medium	Buy extra data storage server
3	Database crash	Low	Huge	Replication of data
4	Same username for multiple users	Medium	Huge	Not allowing username that are already existing
5	Even single letter is allowed as a password	Medium	Low	Try to allow passwords with more characters and special strings.

Ex:6

Test Log report

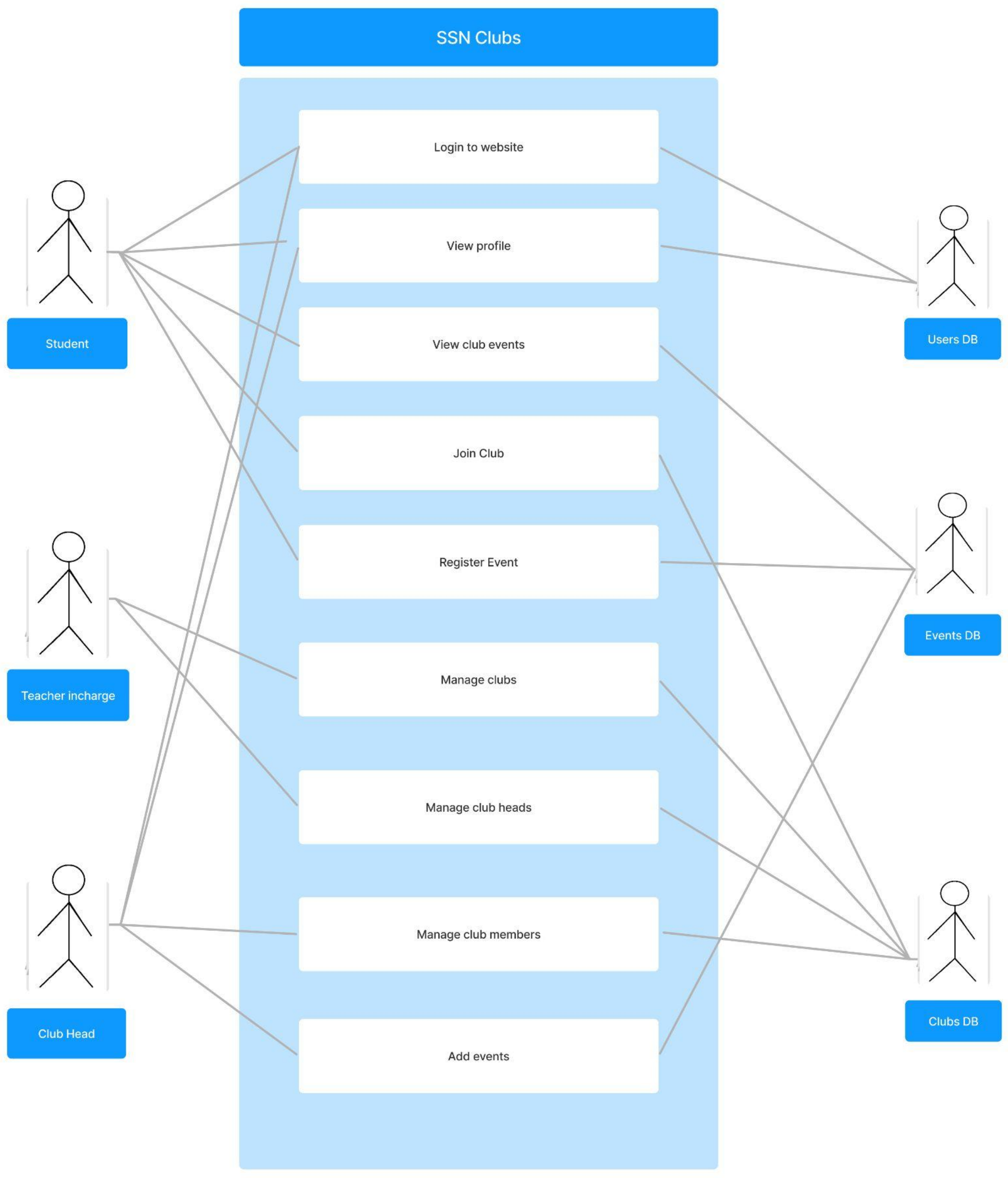
TC id	RS #	Test case description/ condition	Test case input	Expected Output	Result (PASS/ FAIL)
1	4.1	Registration using mail other than SSN mail ID	random@gmail.com	Login using SSN mail ID!	PASS
2	3.1	Empty login		Invalid username or Password	PASS
3	3.1	Incorrect login	Wrong username or Password	Invalid username or Password	PASS
4	5.2	Joining clubs that are already joined by the user		Already joined the club!	PASS
5	7.1	User or Club heads trying to access the CRUD functionalities of the club		Access denied	PASS
6	9.1	User or Incharge trying to add a new club event		Access denied	PASS
7	3.1	User registering password with less than 8 character	Password:@s	Create Password with minimum 8 characters	FAIL
8	4.1	User creating a profile(registration) with other person Email ID		Verify by opening your email	FAIL
9	5.1	User joining a club	click the respective club join button	Response based on the club(eg. SSN lights out club requires audition to join, and hence does not	PASS

				get added to user profile.)	
10	5.1	User joining a club	Click the join button.	Response based on the club(eg. Users can join the SSN music club by filling out the respective google form that is directed on clicking the button, which then gets added to the list of clubs joined by the user).	PASS
11	5.1	User trying to delete an added event in the club page.		Access denied!	PASS
12	5.1	Users trying to create a profile that is already existing.	Register form inputs	Users already exist!	PASS

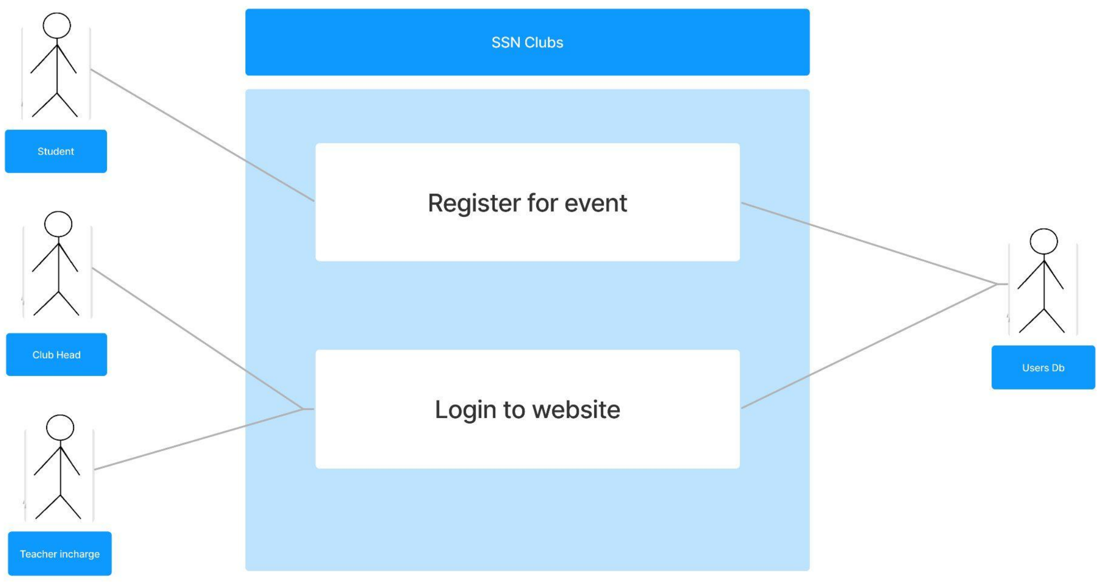
Ex:7

Use case diagrams:

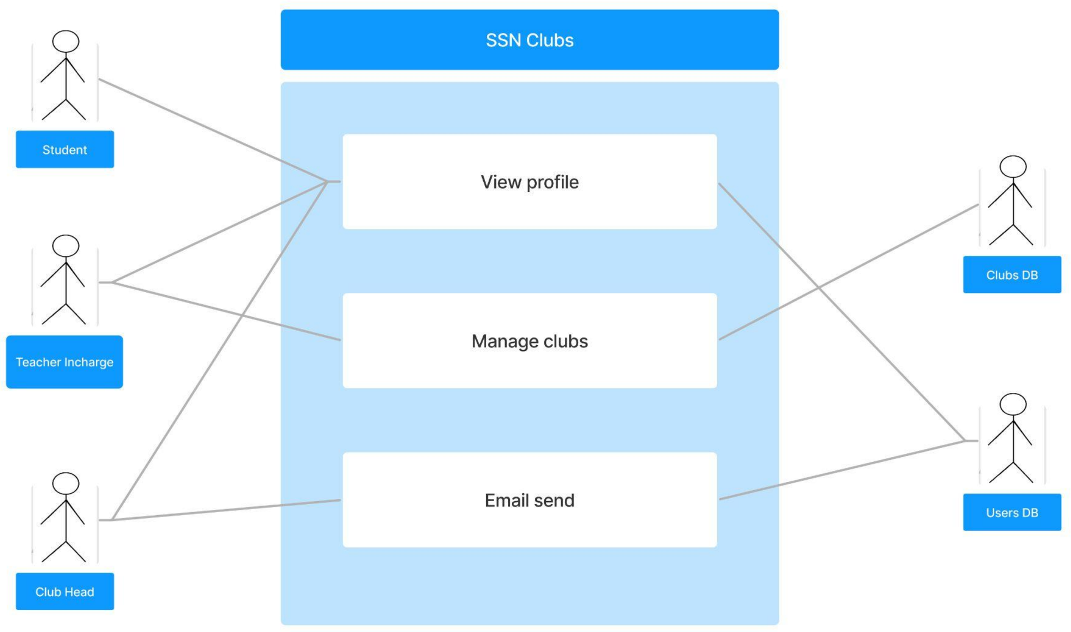
SSN clubs:



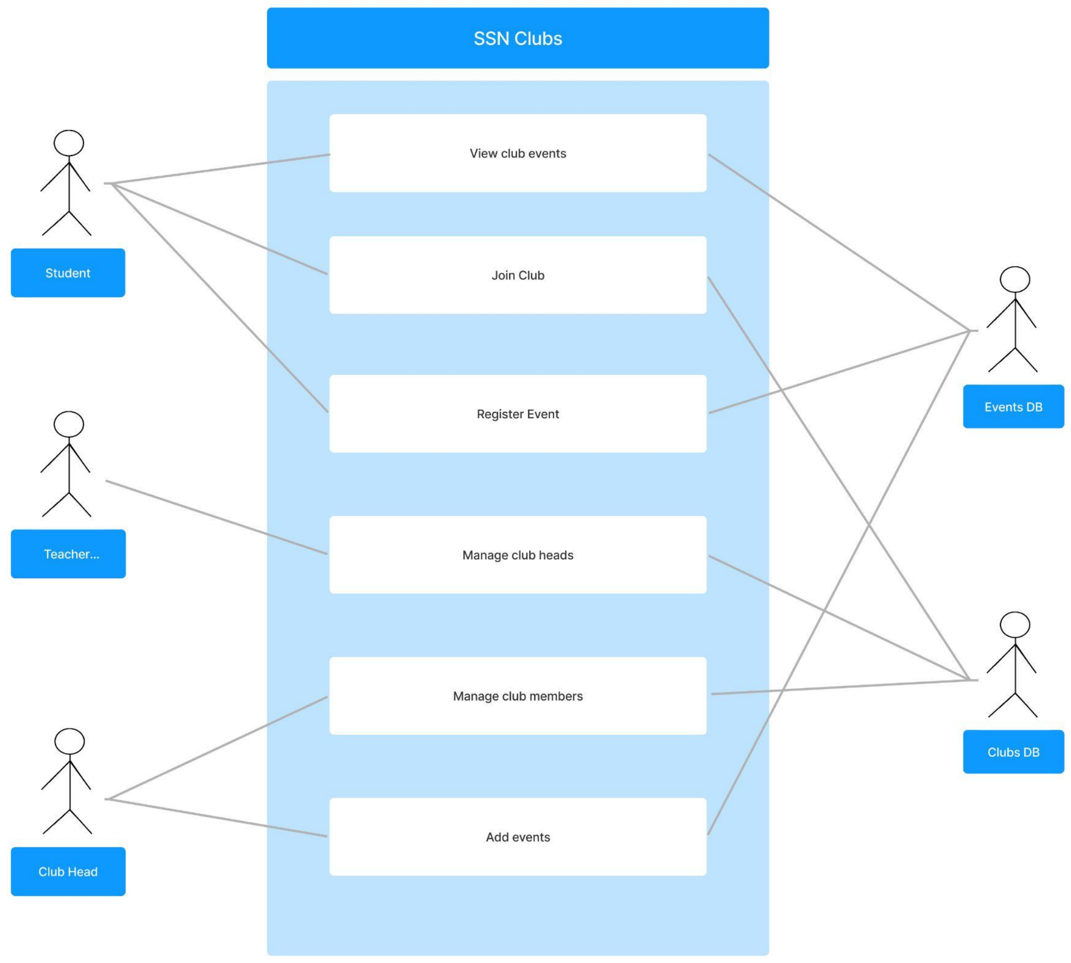
Login module:



Dashboard Module:

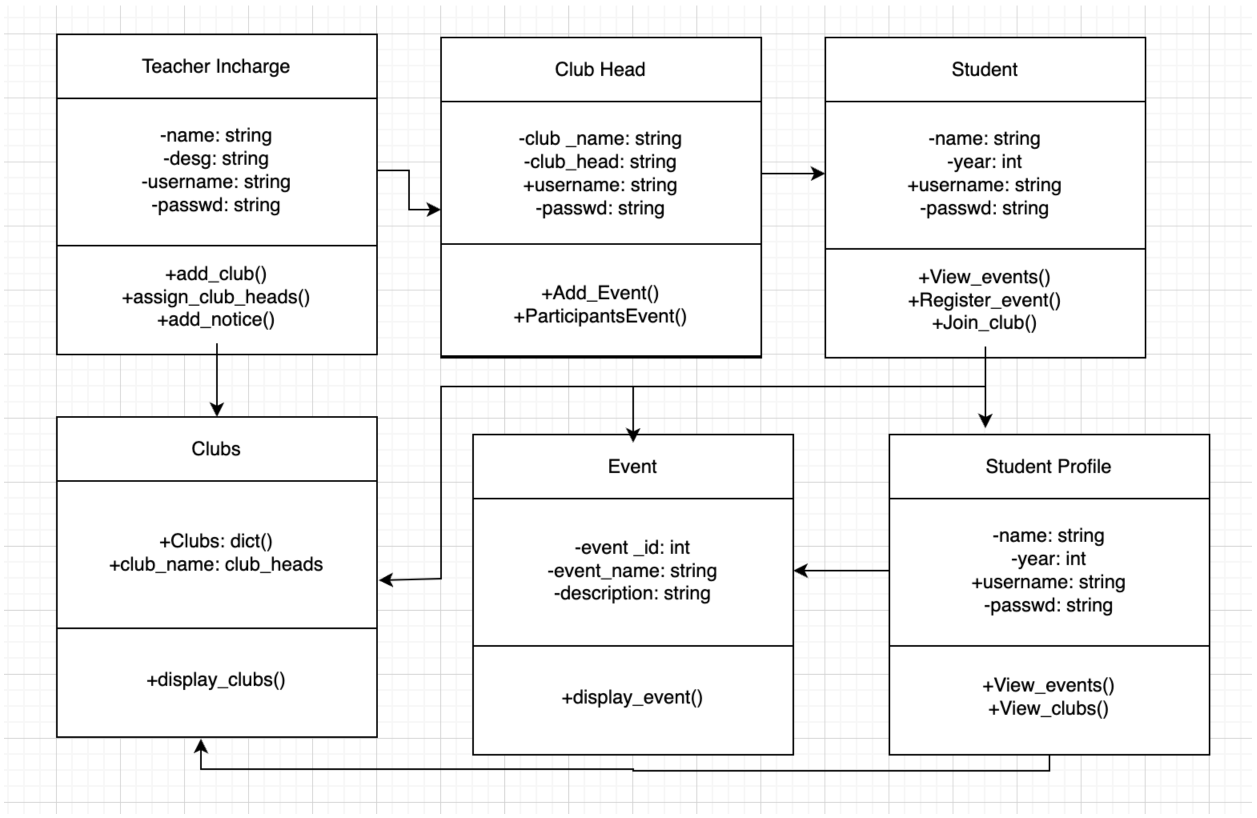


Club Page module:

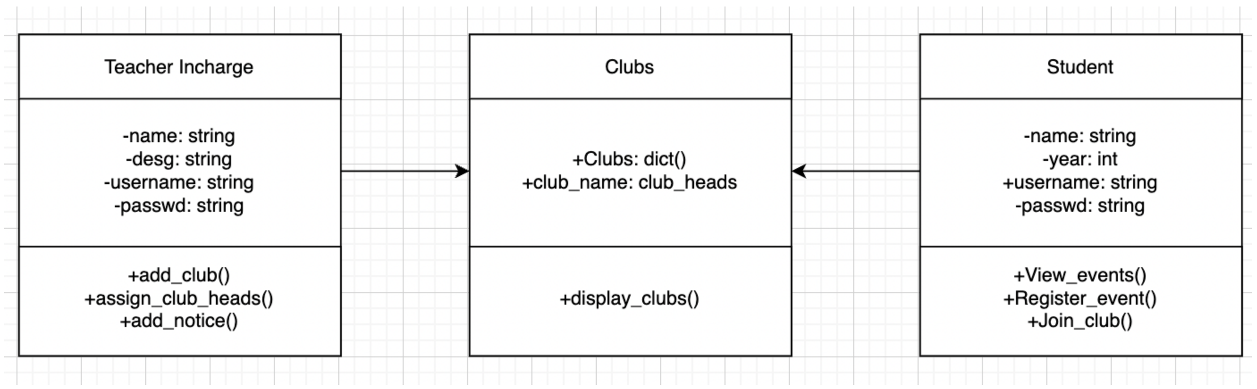


Ex:8

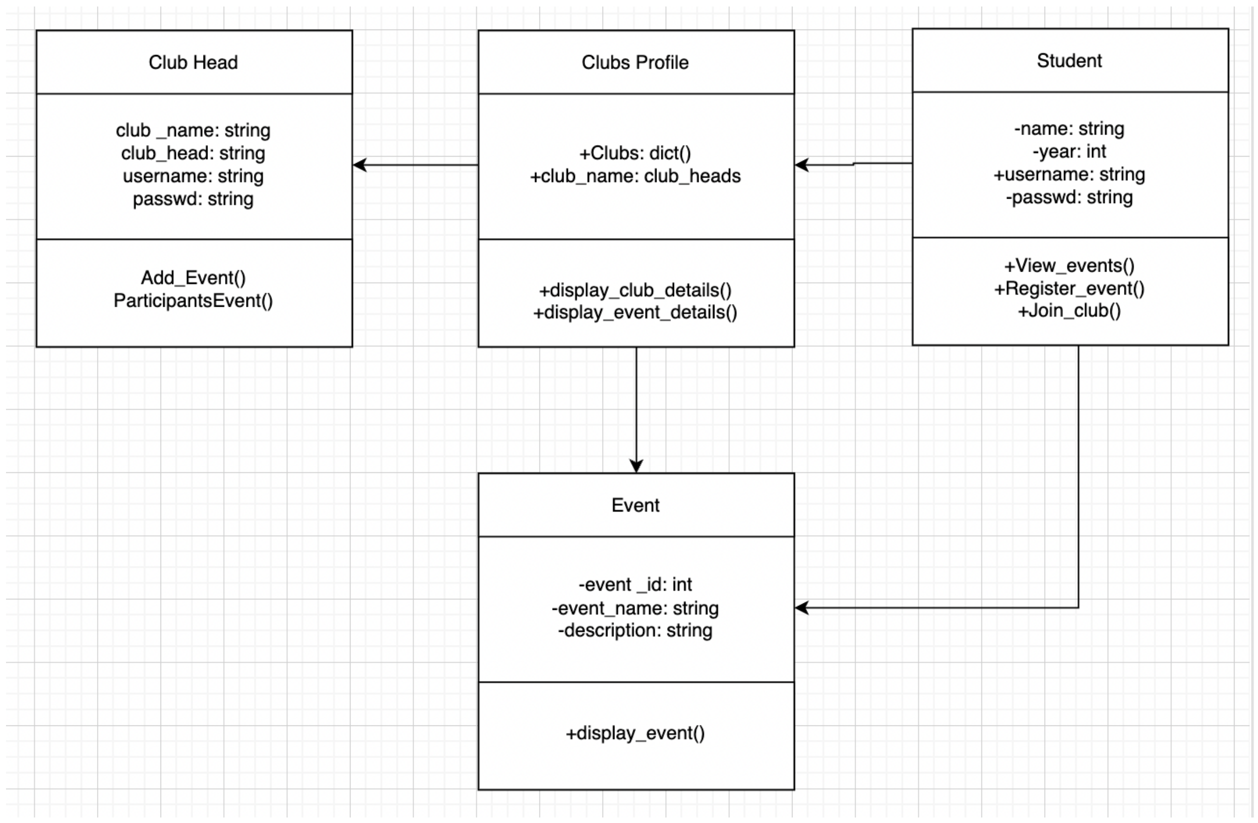
Class diagram:



Dashboard:

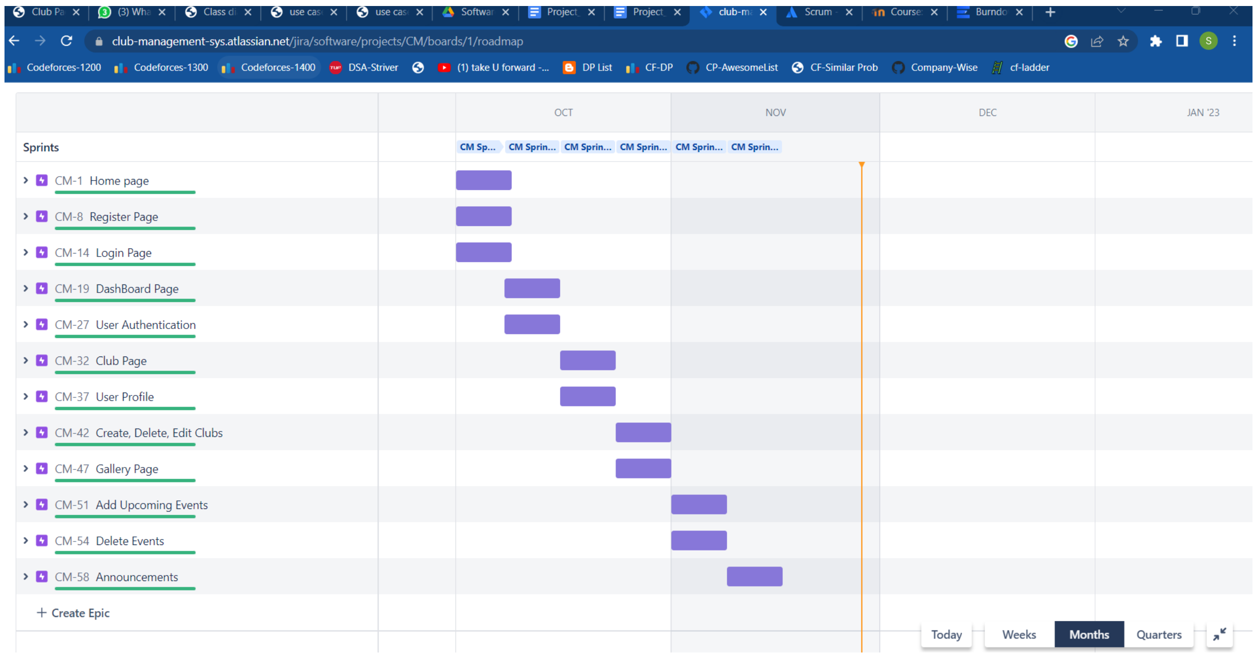


Clubs:


Club Head
club _name: string
club_head: string
username: string
passwd: string
Add_Event()
ParticipantsEvent()
Clubs Profile
+Clubs: dict()
+club_name: club_heads
+display_club_details()
+display_event_details()
Student
-name: string
-year: int
+username: string
-passwd: string
+View_events()
+Register_event()
+Join_club()
Event
-event _id: int
-event_name: string
-description: string
+display_event()

Ex:9

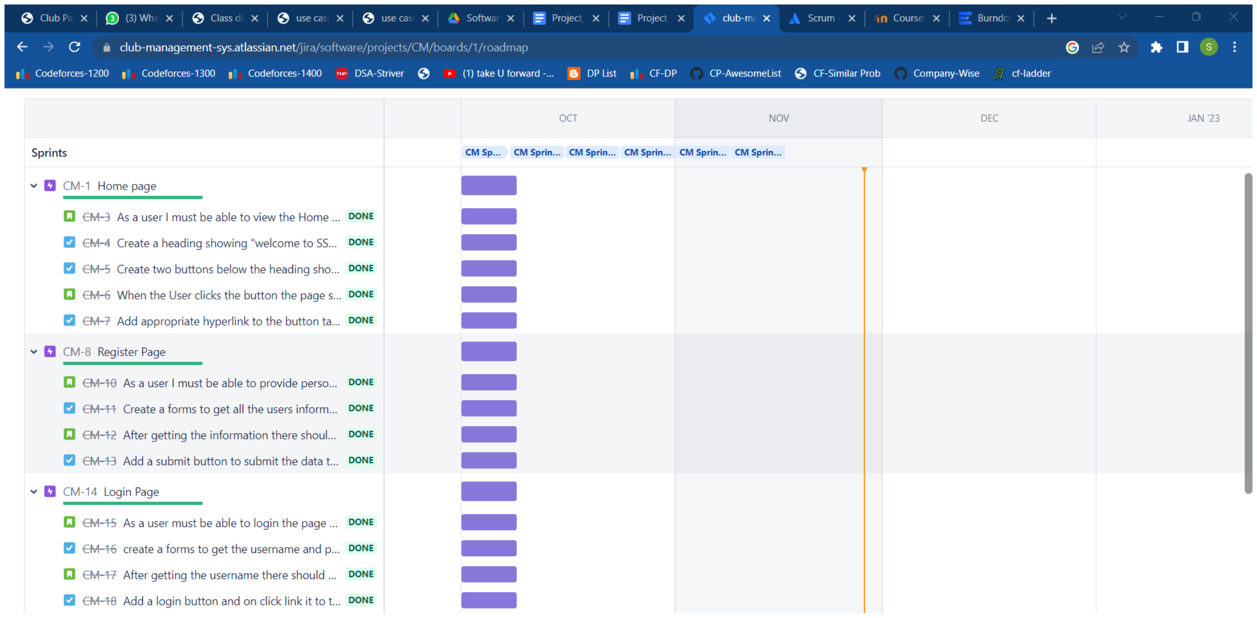
Project Management [Sprint wise Burn-up and Burn-down chart]



Sprints

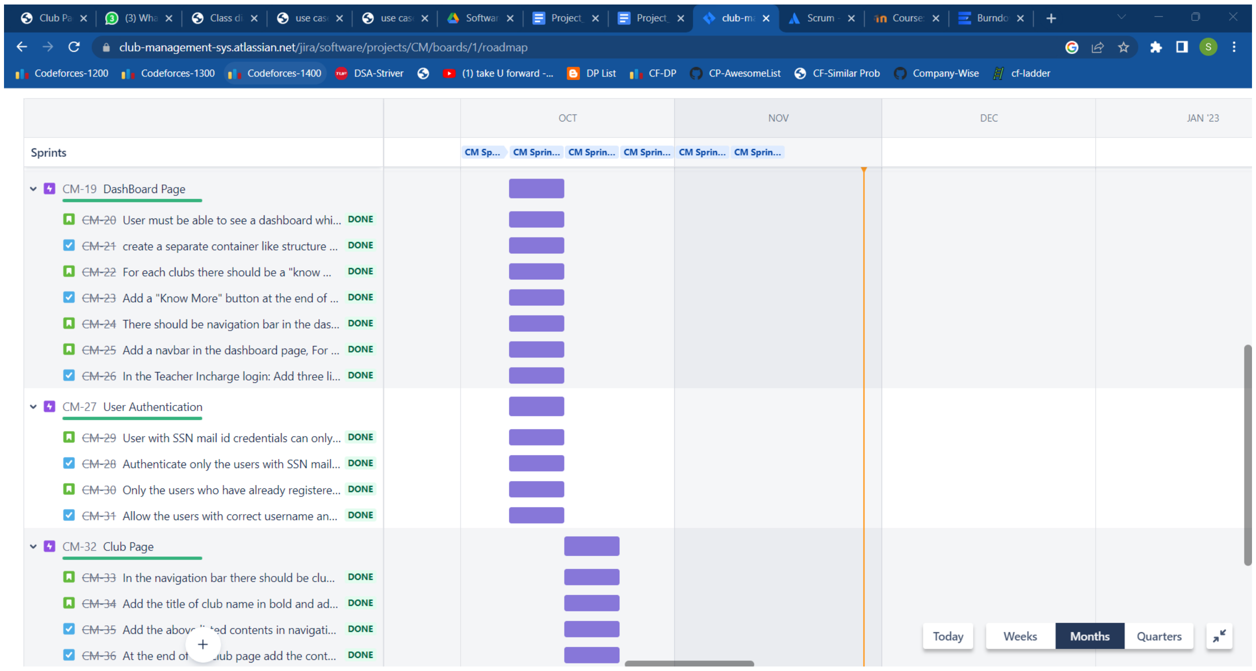
- CM-1 Home page
- CM-8 Register Page
- CM-14 Login Page
- CM-19 DashBoard Page
- CM-27 User Authentication
- CM-32 Club Page
- CM-37 User Profile
- CM-42 Create, Delete, Edit Clubs
- CM-47 Gallery Page
- CM-51 Add Upcoming Events
- CM-54 Delete Events
- CM-58 Announcements

+ Create Epic



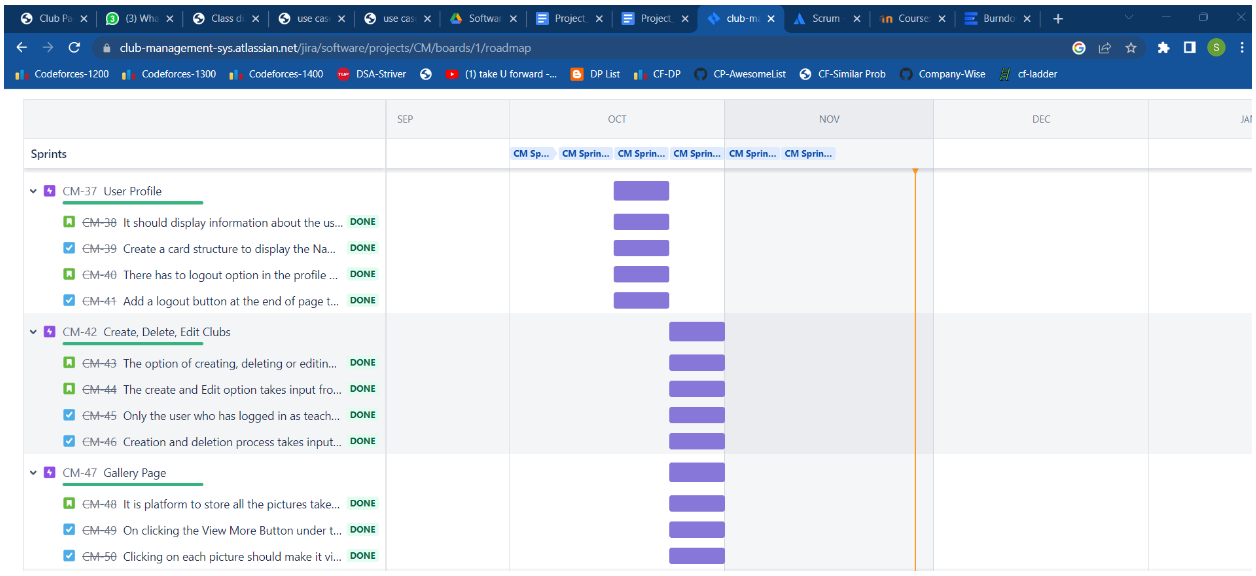
Sprints

- CM-1 Home page
  - ~~CM-3~~ As a user I must be able to view the Home ... DONE
  - ~~CM-4~~ Create a heading showing "welcome to SS... DONE
  - ~~CM-5~~ Create two buttons below the heading sho... DONE
  - ~~CM-6~~ When the User clicks the button the page s... DONE
  - ~~CM-7~~ Add appropriate hyperlink to the button ta... DONE
- CM-8 Register Page
  - ~~CM-10~~ As a user I must be able to provide perso... DONE
  - ~~CM-11~~ Create a forms to get all the users inform... DONE
  - ~~CM-12~~ After getting the information there shoul... DONE
  - ~~CM-13~~ Add a submit button to submit the data t... DONE
- CM-14 Login Page
  - ~~CM-15~~ As a user must be able to login the page ... DONE
  - ~~CM-16~~ create a forms to get the username and p... DONE
  - ~~CM-17~~ After getting the username there should ... DONE
  - ~~CM-18~~ Add a login button and on click link it to t... DONE


club-management-sys.atlassian.net/jira/software/projects/CM/boards/1/roadmap
Codeforces-1200 Codeforces-1300 Codeforces-1400 DSA-Striver (1) take U forward -... DP List CF-DP CP-AwesomeList CF-Similar Prob Company-Wise cf-ladder
OCT NOV DEC JAN '23
CM Sp... CM Sprin... CM Sprin... CM Sprin... CM Sprin... CM Sprin...
Today Weeks Months Quarters

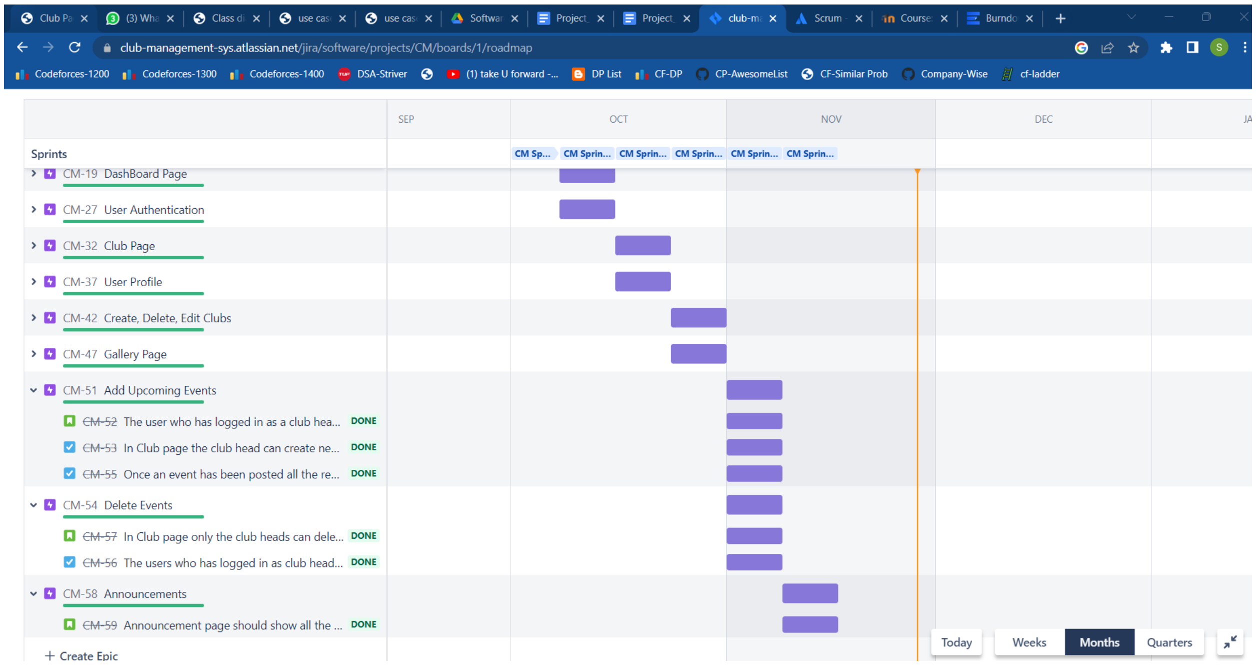
Sprints

- CM-19 DashBoard Page
  - ~~CM-20~~ User must be able to see a dashboard whi... DONE
  - ~~CM-21~~ create a separate container like structure ... DONE
  - ~~CM-22~~ For each clubs there should be a "know ... DONE
  - ~~CM-23~~ Add a "Know More" button at the end of ... DONE
  - ~~CM-24~~ There should be navigation bar in the das... DONE
  - ~~CM-25~~ Add a navbar in the dashboard page, For ... DONE
  - ~~CM-26~~ In the Teacher Incharge login: Add three li... DONE
- CM-27 User Authentication
  - ~~CM-29~~ User with SSN mail id credentials can only... DONE
  - ~~CM-28~~ Authenticate only the users with SSN mail... DONE
  - ~~CM-30~~ Only the users who have already registere... DONE
  - ~~CM-31~~ Allow the users with correct username an... DONE
- CM-32 Club Page
  - ~~CM-33~~ In the navigation bar there should be clu... DONE
  - ~~CM-34~~ Add the title of club name in bold and ad... DONE
  - ~~CM-35~~ Add the abov[illegible]ted contents in navigati... DONE
  - ~~CM-36~~ At the end o[illegible]ub page add the cont... DONE


club-management-sys.atlassian.net/jira/software/projects/CM/boards/1/roadmap
Codeforces-1200 Codeforces-1300 Codeforces-1400 DSA-Striver (1) take U forward -... DP List CF-DP CP-AwesomeList CF-Similar Prob Company-Wise cf-ladder
SEP OCT NOV DEC
CM Sp... CM Sprin... CM Sprin... CM Sprin... CM Sprin... CM Sprin...

Sprints

- CM-37 User Profile
  - ~~CM-38~~ It should display information about the us... DONE
  - ~~CM-39~~ Create a card structure to display the Na... DONE
  - ~~CM-40~~ There has to logout option in the profile ... DONE
  - ~~CM-41~~ Add a logout button at the end of page t... DONE
- CM-42 Create, Delete, Edit Clubs
  - ~~CM-43~~ The option of creating, deleting or editin... DONE
  - ~~CM-44~~ The create and Edit option takes input fro... DONE
  - ~~CM-45~~ Only the user who has logged in as teach... DONE
  - ~~CM-46~~ Creation and deletion process takes input... DONE
- CM-47 Gallery Page
  - ~~CM-48~~ It is platform to store all the pictures take... DONE
  - ~~CM-49~~ On clicking the View More Button under t... DONE
  - ~~CM-50~~ Clicking on each picture should make it vi... DONE



CM-19 DashBoard Page

CM-27 User Authentication

CM-32 Club Page

CM-37 User Profile

CM-42 Create, Delete, Edit Clubs

CM-47 Gallery Page

CM-51 Add Upcoming Events

~~CM-52~~ The user who has logged in as a club hea... DONE

~~CM-53~~ In Club page the club head can create ne... DONE

~~CM-55~~ Once an event has been posted all the re... DONE

CM-54 Delete Events

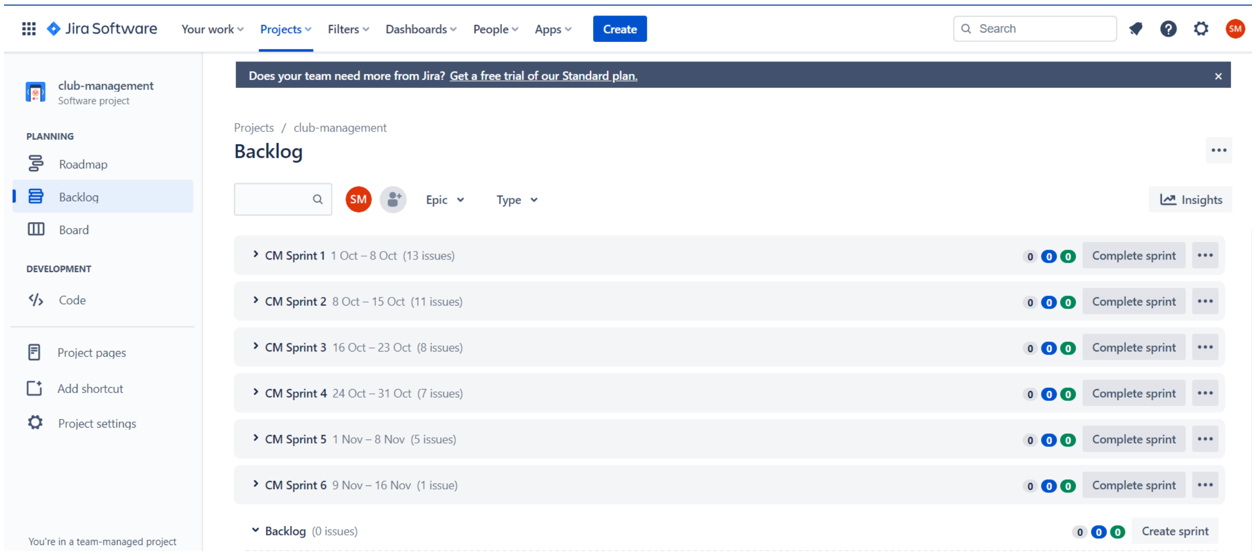
~~CM-57~~ In Club page only the club heads can dele... DONE

~~CM-56~~ The users who has logged in as club head... DONE

CM-58 Announcements

~~CM-59~~ Announcement page should show all the ... DONE

+ Create Epic



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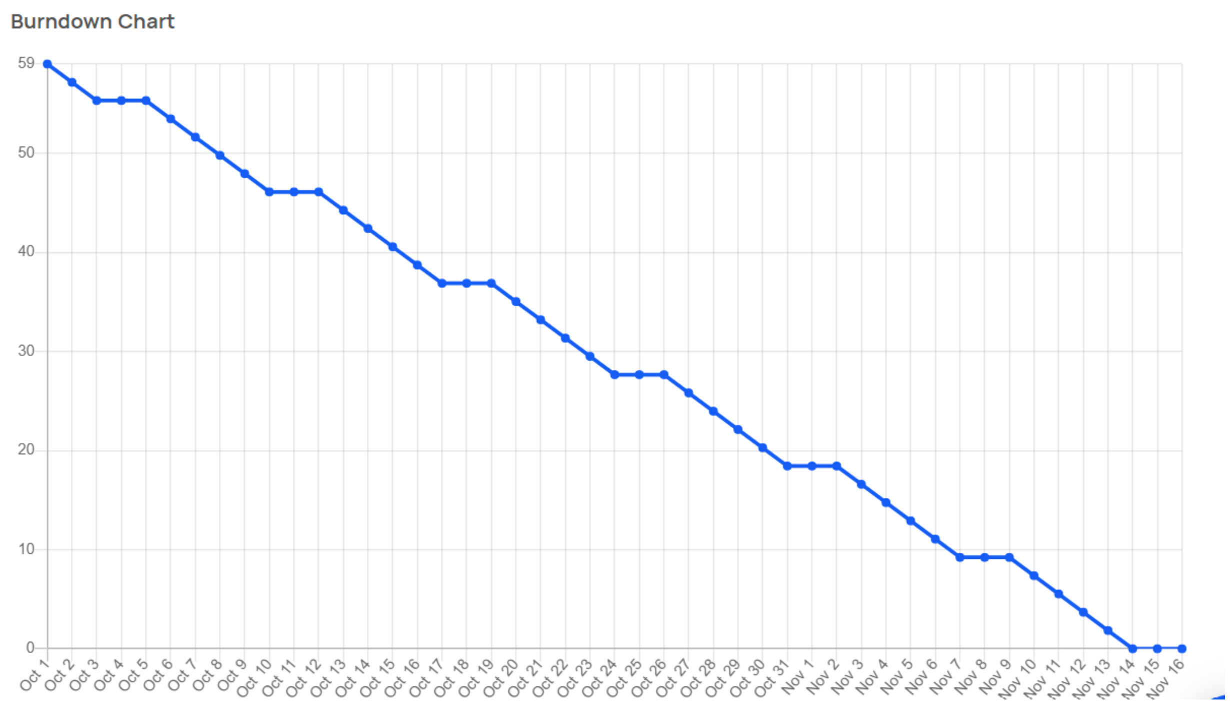
Projects / club-management

Backlog

CM Sprint 1	1 Oct – 8 Oct (13 issues)	0 0 0	Complete sprint
CM Sprint 2	8 Oct – 15 Oct (11 issues)	0 0 0	Complete sprint
CM Sprint 3	16 Oct – 23 Oct (8 issues)	0 0 0	Complete sprint
CM Sprint 4	24 Oct – 31 Oct (7 issues)	0 0 0	Complete sprint
CM Sprint 5	1 Nov – 8 Nov (5 issues)	0 0 0	Complete sprint
CM Sprint 6	9 Nov – 16 Nov (1 issue)	0 0 0	Complete sprint
Backlog	(0 issues)	0 0 0	Create sprint

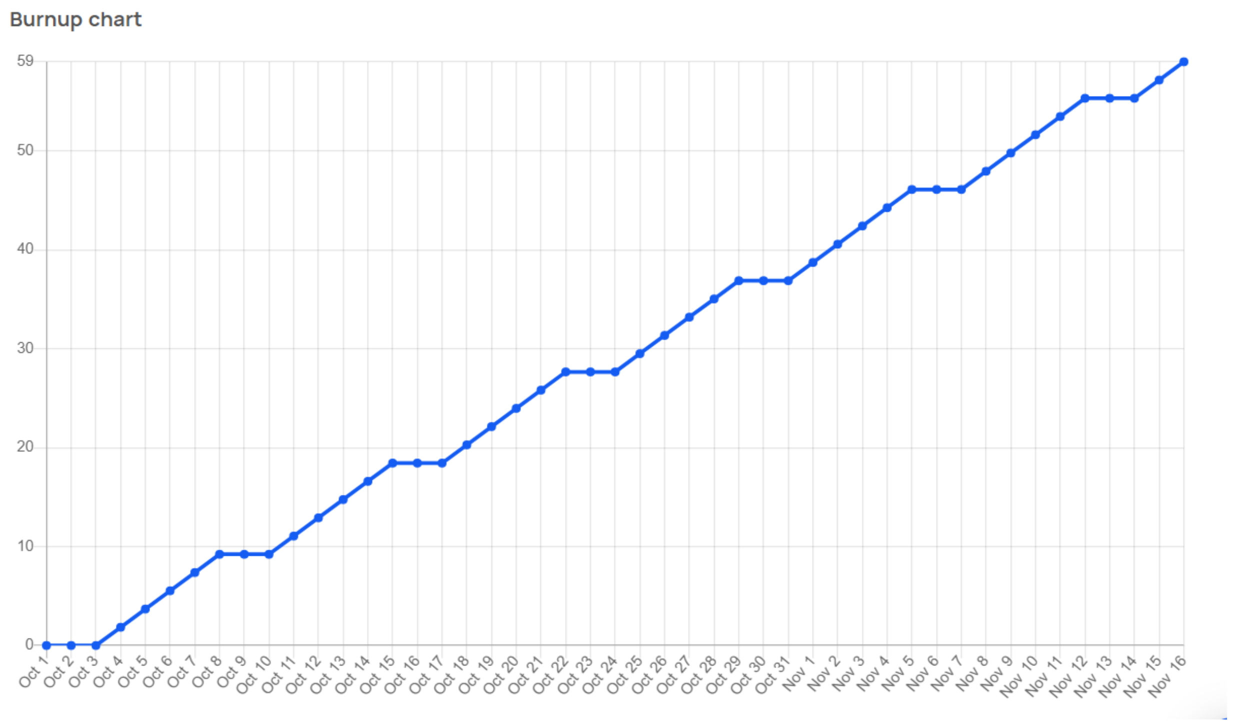
Ex:10

Burndown Chart



<u>Ex:11</u>

Burndown Chart



Ex:12

Project Outcomes

Source code:

clubs database :

```
const mongoose= require('mongoose')
const event= require('./events')
const user= require('./users')
const Schema= mongoose.Schema



const imageSchema= new Schema({
    url:String,
    filename:String
})



const ClubSchema= new Schema({
    title:String,
    description:String,
    clubImages:[imageSchema],
    upcomingEvents:[{
        type:Schema.Types.ObjectId,
        ref:'event'
    }],
    showpageimage:imageSchema,
    presidentname:String,
    presidentdept:String,
    presidentyear:String,
    presidentlinkedin:String,
    vpname:String,
    vpdept:String,
    vpyear:String,
    vplinkedin:String,
    coordname:String,
    coorddept:String,
    coordyear:String,
    coordlinkedin:String,
    members:[
        {
            type:Schema.Types.ObjectId,
            ref:'user'
        }
    ]
})


ClubSchema.post('findOneAndDelete',async function (doc){
     if(doc){
      await event.deleteMany({
          _id:{$in:doc.upcomingEvents}
      })
     }
})

ClubSchema.post('findOneAndDelete',async function (doc){
    if(doc){
     await user.deleteMany({
         _id:{$in:doc.members}
     })
    }
})

module.exports= mongoose.model('club',ClubSchema)
```

events database:

```
const mongoose= require('mongoose')
const DateOnly = require('mongoose-dateonly')(mongoose);
const Schema= mongoose.Schema

const eventSchema= new Schema({
    text:String,
    link:String,
    date:DateOnly,
    description:String,
})

module.exports=mongoose.model('event',eventSchema)
```

users model:

```
const mongoose= require('mongoose')
const Schema= mongoose.Schema
const clubs= require('./clubs')
const passportLocalMongoose=require('passport-local-mongoose')


const userSchema= new Schema({
    email:{
        type:String,
        required:true,
        unique:true
    },
    clubsAssociated:[{
        type:Schema.Types.ObjectId,
        ref:'club'
    }],
    dept:String,
    year:String
})


userSchema.plugin(passportLocalMongoose)
module.exports= mongoose.model('user',userSchema)
```

login and register:

```
router.get('/register',async(req,res)=>{
  res.render('users/register')
})

router.post('/register',async(req,res)=>{
  try{
  const {username,email,password,dept,year}= req.body
  if(email.endsWith('@ssn.edu.in')){
    const newuser= new users({email,username,dept,year})
    const registereduser= await users.register(newuser,password);
    req.login(registereduser,err=>{
      if(err){
          return next(err);
      }
      else{
          req.flash('success','Welcome to SSN Clubs')
          sendmail(req.user.email,'ssn clubs','Welcome to ssn clubs')
          res.redirect('/club')
      }
  })
  }
  else{
    req.flash('error','please register with your ssn email')
    res.redirect('/register')
  }
}
catch(e){
  req.flash('error',e.message)
  res.redirect('/register')
}
})




router.get('/login',async(req,res)=>{
  res.render('users/login')
})



router.post('/login',passport.authenticate('local',{failureFlash:
true, failureRedirect:'/login'}),(req,res)=>{
    req.flash('success','welcome back')
    const redirecturl = req.session.returnTo || '/club'
    delete req.session.returnTo
    console.log(req.user)
    res.redirect(redirecturl)
})
```

send mail module:

```
const nodemailer= require('nodemailer')

const sendmail=function(tomail,clubname,text){

const transporter = nodemailer.createTransport({
   host: "smtp.gmail.com",
   port: 587,
   secure: false,
  auth: {
    user: 'testssnclubs@gmail.com',
    pass: 'oxcfyuuyqdwocvov'
  }
});

const mailOptions = {
  from: 'testssnclubs@gmail.com',
  to: `${tomail}`,
  subject: `${clubname}`,
  text: `${text} `
};

transporter.sendMail(mailOptions, function(error, info){
  if (error) {
 console.log(error);
```

```
  } else {
    console.log('Email sent: ' + info.response);
    // do something useful
  }
});

}

module.exports= sendmail
```

club CRUD operation:

```
const express= require('express')
const club= require('../models/clubs')
const bodyParser= require('body-parser')
const methodOverride=require('method-override')
const router= express.Router()
const catchasync= require('../utils/Asyncerrors')
const catchexpress= require('../utils/expresserrors')
const event=require('../models/events')
const users = require('../models/users')
const passport = require('passport')
const multer= require('multer')
const {storage}= require('../cloudinary/index')
const upload= multer({storage:storage})
const {loggedin,isadmin}= require('../middleware')
const sendmail= require('../public/javascript/email')




router.use(methodOverride('_method'))
router.use(bodyParser.urlencoded({ extended: true }))
router.use(bodyParser.json())

router.get('/',(req,res)=>{
    res.render('home.ejs')
})



router.get('/club/:id/edit',catchasync(async(req,res)=>{
  const {id}= req.params
  const clubs= await club.findById(id)
  res.render('editclub.ejs',{clubs})
}))

router.get('/club',catchasync(async(req,res)=>{
  const newclubs= await club.find({})
  res.render('index.ejs',{newclubs})
}))

router.get('/club/new',loggedin,catchasync(async(req,res)=>{
  res.render('newclub.ejs')
}))

router.get('/club/:id',catchasync(async(req,res)=>{
  const {id}= req.params
  const clubs= await club.findById(id).populate('upcomingEvents')
  res.render('show',{clubs})
}))

router.get('/club/:id/newevent/form',loggedin,async(req,res)=>{
  const {id}= req.params
  const clubs= await club.findById(id)
  res.render('events/newevent',{clubs})
})

router.post('/club',upload.fields([
  {
    name: 'clubImages',
    maxCount: 8
  },
  {
    name: 'showpageImage',
    maxCount: 1
  }
]),async(req,res)=>{
 const newclub= new club(req.body.clubs)
 console.log(req.files.showpageImage[0])
     newclub.showpageimage=      ({url:req.files.showpageImage[0].path,
filename:req.files.showpageImage[0].filename})
           newclub.clubImages=req.files.clubImages.map(f=>({url:f.path,
filename:f.filename}))
 await newclub.save()
 res.redirect(`club/${newclub._id}`)
})



router.post('/club/:id/newevent',loggedin,async(req,res)=>{
  const {id}= req.params
  const clubss= await club.findById(id).populate('members')
  const events= new event(req.body.event)
  clubss.upcomingEvents.push(events)
  await events.save()
  await clubss.save()
     const text= `Greetings from ${clubss.title}, A new event ${events.text} has been posted, kindly check it out on the website`
  for(let c of clubss.members){
    sendmail(c.email,clubss.title,text)
  }
  req.flash('success','successfully added an event')
  res.redirect(`/club/${clubss._id}`)
})

router.put('/club/:id',catchasync(async(req,res)=>{
  const {id}=req.params
  const clubs= await club.findById(id)
  if(!clubs){
    req.flash('error','Cannot find that club')
    return res.redirect(`/club/${clubs._id}`)
  }
                                    const clubss=await club.findByIdAndUpdate(id,{...req.body.clubs},{new:true})
  await clubs.save()
  req.flash('success','Successfully Updated clubs')
  res.redirect(`/club/${clubss._id}`)



             //        const        clubs=        await club.findByIdAndUpdate(id,{...req.body.clubs},{new:true})

 // res.redirect(`/club/${clubs._id}`)*/
 console.log(req.files,req.body)
 res.send('it worked')
}))


router.get('/club/:id/gallery',async(req,res)=>{
  const {id}= req.params
  const clubsss= await club.findById(id)
  res.render('imagegallery',{clubsss})
})


router.delete('/club/:id/newevent/:eventId',async(req,res)=>{
  const {id,eventId}= req.params
  await club.findByIdAndUpdate(id,{$pull:{upcomingEvents:eventId}})
  await event.findByIdAndDelete(eventId)
  req.flash('success','successfully deleted event')
  res.redirect(`/club/${id}`)
})

router.delete('/club/:id',catchasync(async(req,res)=>{
  const {id}= req.params
  await club.findByIdAndDelete(id)
  res.redirect('/club')
}))


router.post('/club/:id/members/:profileId',loggedin,async(req,res)=>{
  const {id,profileId}=req.params
  const clubss= await club.findById(id)
  const user= await users.findById(profileId)
  const newmember= user
  clubss.members.push(newmember)

  user.clubsAssociated.push(clubss)

  await clubss.save()

  await user.save()

      const   text=   `Greetings   from   ${clubss.title},Welcome   to
${clubss.title}. We are glad to have you in. Stay tuned to more ! `

  sendmail(user.email,clubss.title,text)

   req.flash('success',` Welcome to ${clubss.title} please check your
mail for confirmation if not please check your spam `)

  res.redirect(`/club/${clubss._id}`)

})
```

async and express error handling:

async:

```
module.exports=func=>{

  return (req,res,next)=>{

  func(req,res,next).catch(next)

    }

}
```

express:

```
class Expresserrors extends Error {

    constructor(message,Statuscode){

        super();

        this.message=message;

        this.Statuscode=Statuscode;

    }

}


module.exports=Expresserrors;
```

main:

```
if(process.env.NODE_ENV!=='production'){
    require('dotenv').config()
}

const express= require('express')
const app= express()
const mongoose= require('mongoose')
const session= require('express-session')
const ejsMate= require('ejs-mate')
const flash= require('connect-flash')
const passport= require('passport')
const localstrategy= require('passport-local')
const indexRouter= require('./routes/routes')
const users = require('./models/users')

mongoose.connect('mongodb://localhost:27017/ssnclubs')

const db= mongoose.connection
db.on('error',console.log.bind(console,'connection error'))
db.once('open',()=>{
    console.log('database connected')
})

const sessionConfig={
    secret:'thisisasupersecret',
    resave:false,
    saveUninitialized:true,
    cookie:{
        httpOnly:true,
        expires:Date.now + 1000*60*60*24*7 ,
        maxAge:1000*60*60*24*7
    }
}
app.use(session(sessionConfig))
app.use(flash())

app.use(passport.initialize())
app.use(passport.session());
passport.use(new localstrategy(users.authenticate()))



passport.serializeUser(users.serializeUser());
passport.deserializeUser(users.deserializeUser());

app.engine('ejs',ejsMate)
app.set('view engine','ejs')
app.set('views',__dirname+'/views')
app.use('/public',express.static(__dirname+'/public'))




app.use((req,res,next)=>{
    res.locals.currentUser= req.user
    res.locals.success = req.flash('success')
    res.locals.error=req.flash('error')
    next();
})
```

```
app.use('/',indexRouter)

app.listen('3000',()=>{
    console.log('listening on port 3000')
})
```

cloudinary to store images:

```
const cloudinary = require('cloudinary').v2;
const { CloudinaryStorage } = require('multer-storage-cloudinary')

cloudinary.config({
  cloud_name:process.env.CLOUDINARY_CLOUD_NAME,
  api_key:process.env.CLOUDINARY_KEY,
  api_secret:process.env.CLOUDINART_SECRET
})

const storage = new CloudinaryStorage({
    cloudinary,
    params:{
        folder: 'ssnclubs',
        allowedformats:['jpg','png','jpeg']
    }
});


module.exports={
    cloudinary,
    storage
}
```

Layout Boilerplate code:

```
<% layout('layout/boilerplate') %>
    <link rel="stylesheet" href="../public/stylesheets/showpage.css">
    <link rel="preconnect" href="https://fonts.googleapis.com">
            <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
                                                                              <link
href="https://fonts.googleapis.com/css2?family=Josefin+Sans&family=Pop
pins:wght@300&display=swap" rel="stylesheet">
                              <!-- <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/fo
nt-awesome.min.css"> -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
            <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
                                                                              <link
href="https://fonts.googleapis.com/css2?family=Pacifico&display=swap"
rel="stylesheet">
                                                          <script defer
src="https://use.fontawesome.com/releases/v5.0.7/js/all.js"></script>
    <title>Club Page</title>
    <script type="text/javascript">
        var link = document.createElement("link");
        link.setAttribute("rel","stylesheet");

link.setAttribute("href","http://wherever.com/yourstylesheet.css");
        var head = document.getElementsByTagName("head")[0];
        head.appendChild(link);
      </script>
    <section class="Home-section">
        <div class="container1">
            <nav>
```

```
                        <img style="border-radius: 50%;" class="logo"
src="https://t3.ftcdn.net/jpg/04/54/66/12/360_F_454661277_NtQYM8oJq2wO
zY1X9Y81FlFa06DVipVD.jpg" alt="">
                <h2 class="heading"><%=clubs.title %> </h2>
                <ul class="navbar-items">
                                        <li  class="navbar-content"><a
href="#About">About</a></li>
                                        <li  class="navbar-content"><a
href="#Events">Events</a></li>
                                        <li  class="navbar-content"><a
href="#Gallery">Gallery</a></li>
                    <% if(currentUser){ %>
                                        <li  class="navbar-content"><a
href="/profile/<%=currentUser._id%> ">view profile</a></li>
                    <% } %>
                                        <li  class="navbar-content"><a
href="/club">dashboard</a></li>
                </ul>
            </nav>
            <div class="box1">
                <div class="main-content">
                    <img src="<%=clubs.showpageimage.url%>" alt="">
                </div>
                <div>
                                                <h1  class="glow-font
main-heading"><%=clubs.title%></h1>
                </div>



            </div>
        </div>
    </section>
    <section id="About" class="About-section">

        <div class="box2">

            <h2 class="about-heading glow-font">ABOUT</h2>

            <div class="about">

                <div class="about-content">

                    <p><%=clubs.description%>

                    </p>

                </div>

                <div class="img-class">

                                                    <img     class="about-img"
src="https://media.istockphoto.com/vectors/music-online-learning-the-y
oung-man-is-engaged-in-online-music-the-vector-id1286872893?b=1&k=20&m
=1286872893&s=170667a&w=0&h=_0vseuESV4jMMAIa6tPmA9bwbstxTC5F_cwta8FoDs
Q=" alt="">

                </div>

            </div>


        </div>

    </section>

             <h2  id  =  "Events"  class="eve-heading  glow-font">UPCOMING
EVENTS</h2>

        <section class="Event-section">

                    <!--  <h2  class="domain-heading  glow-font">UPCOMING
EVENTS</h2> -->

               <% if(currentUser && currentUser.username==='adminssn')
{%>

                <section class="eventbtn">

                      <form action="/club/<%=clubs._id%>/newevent/form"
method="get">

                        <button  class="button-64" role="button"><span
class="text">Add Events</span></button>

                    </form>

                </section>
                <% } %>
                <% if(clubs.upcomingEvents.length===0) {%>
                          <h1 class="glow-font noevent">Events will be
posted soon ! stay tuned</h1>
                <% } else {%>
                <% clubs.upcomingEvents.forEach((c,i)=>{%>
                <div class="event-block">
                <div class="event-box">
                    <h2 class="event-heading"><%=c.text%> </h2>
                    <div class="event-content">
                        <p class=""><%=c.description %> </p>
                    </div>


                    <div class="event-content-btn">
                                                                       <button
onclick="window.location.href='<%=c.link%>';"       style="margin-left:
30px;" class="button-41" role="button">Register</button>
                <% if(currentUser.username==='adminssn') { %>
                                                                         <form
action="/club/<%=clubs._id%>/newevent/<%=c._id%>?_method=DELETE"
method="post">
                        <button type="submit" style="margin-left: 60px;"
class="button-42" role="button">Delete</button>
                </form>
                <% } %>
                </div>
                </div>
                </div>
                <% } )%>
                <% } %>


<h2 class="gal-heading glow-font">GALLERY</h2>
```

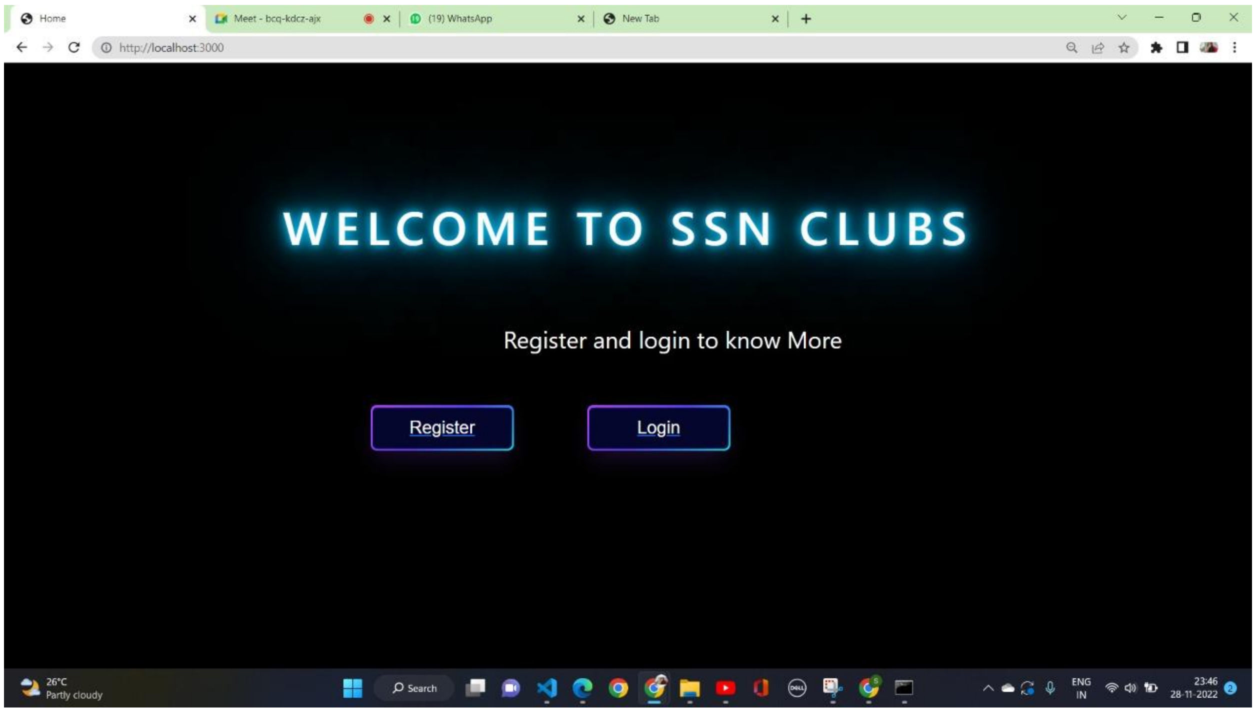
```
    <section id="Gallery" class="gallery-section">
        <% if(clubs.clubImages) {%>
        <div class="gal-box">
            <% clubs.clubImages.forEach((img,i)=>{ %>
                      <span  style="--i:<%=i%>;"><img  class="gall-img"
src="<%=img.url%> " alt=""></span>
            <% }) %>
        </div>
        <% } %>
        <!--  <div class="gall-btn"> -->
        <!-- </div> -->
    </section>
    <section class="galbtn">
                                                                  <button
onclick="window.location.href='/club/<%=clubs._id%>/gallery';"
class="button-64"         role="button"><span         class="text">View
More</span></button>
    </section>
    <h2 class="gal-heading glow-font">PROFILE</h2>
    <section id="ContactUs" class="profile-section">
        <div style="margin-left: 200px;" class="box">
            <div class="profile-content">
                   <p style="padding-left:80px;"><%=clubs.presidentname
%> </p>
                 <p style="padding-left:80px;"><%=clubs.presidentyear%>
year</p>
                <p><%=clubs.presidentdept%></p>
                <!-- <img class="pres-img" src="" alt=""> -->
            </div>
            <ul class="social-icon">
                          <li><a  href="<%=clubs.presidentlinkedin%>"><i
style="margin-top: 15px;" class="fab fa-linkedin"></i></i></a></li>
            </ul>
            <div class="details">
                <h2><span>President</span></h2>
            </div>
        </div>
        <div style="margin-left: 200px;" class="box">
            <div class="profile-content">
                <p style="padding-left:80px;"><%=clubs.vpname %> </p>
                       <p  style="padding-left:80px;"><%=clubs.vpyear%>
year</p>
                <p><%=clubs.vpdept%></p>
                <!-- <img class="pres-img" src="" alt=""> -->
            </div>
            <ul class="social-icon">
                                <li><a  href="<%=clubs.vplinkedin%>"><i
style="margin-top: 15px;" class="fab fa-linkedin"></i></i></a></li>
            </ul>
            <div class="details">
                <h2><span>Vice President</span></h2>
            </div>
        </div>
        <div style="margin-left: 200px;" class="box">
            <div class="profile-content">
                    <p style="padding-left:80px;"><%=clubs.coordname %>
</p>
                     <p  style="padding-left:80px;"><%=clubs.coordyear%>
year</p>
                <p><%=clubs.coorddept%></p>
                <!-- <img class="pres-img" src="" alt=""> -->
            </div>
            <ul class="social-icon">
                            <li><a  href="<%=clubs.coordlinkedin%>  "><i
style="margin-top: 15px;" class="fab fa-linkedin"></i></i></a></li>
```

```
            </ul>

            <div class="details">

                <h2><span>Coordinator</span></h2>

            </div>

        </div>

    </section>

    <% if(currentUser){ %>

      <% if(clubs.title === 'Lights Out Please' || clubs.title ===
'Arudhra Dance' || clubs.title === 'N2K Dance') {%>

            <h2 style="background-color:#000 ;text-align:center;color:
#fff; padding-bottom: 5px;">Auditions would be conducted for this
club<br>Details will be posted soon :)</h2>

        <% } else { %>

     <section style="background-color:#000 ; color: #fff; text-align:
center; font-size: 2rem;">

           <p style="line-height:1.5">Wanna join the club ? <br>click
below to join</p>

        <div class="btnn">

                                                                <form
action="/club/<%=clubs._id%>/members/<%=currentUser._id%>"
method="post">

                      <button   class="button-64"  role="button"><span
class="text">Join Clubs</span></button>

            </form>

        </div>

    </section>

    <% } %>

    <% } %>

    <% if(currentUser && currentUser.username==='incharge'){ %>

     <section style="background-color:#000 ; color: #fff; text-align:
center; font-size: 2rem;">

        <p style="line-height:1.5">Delete club</p>

        <div class="btnn">
```

```
                    <form  action="/club/<%=clubs._id%>?_method=DELETE"
method="post">
                      <button   class="button-64"  role="button"><span
class="text">Delete</span></button>
            </form>
        </div>
    </section>
    <% } %>
```

Ex:13 : Output screenshots

SSN clubs

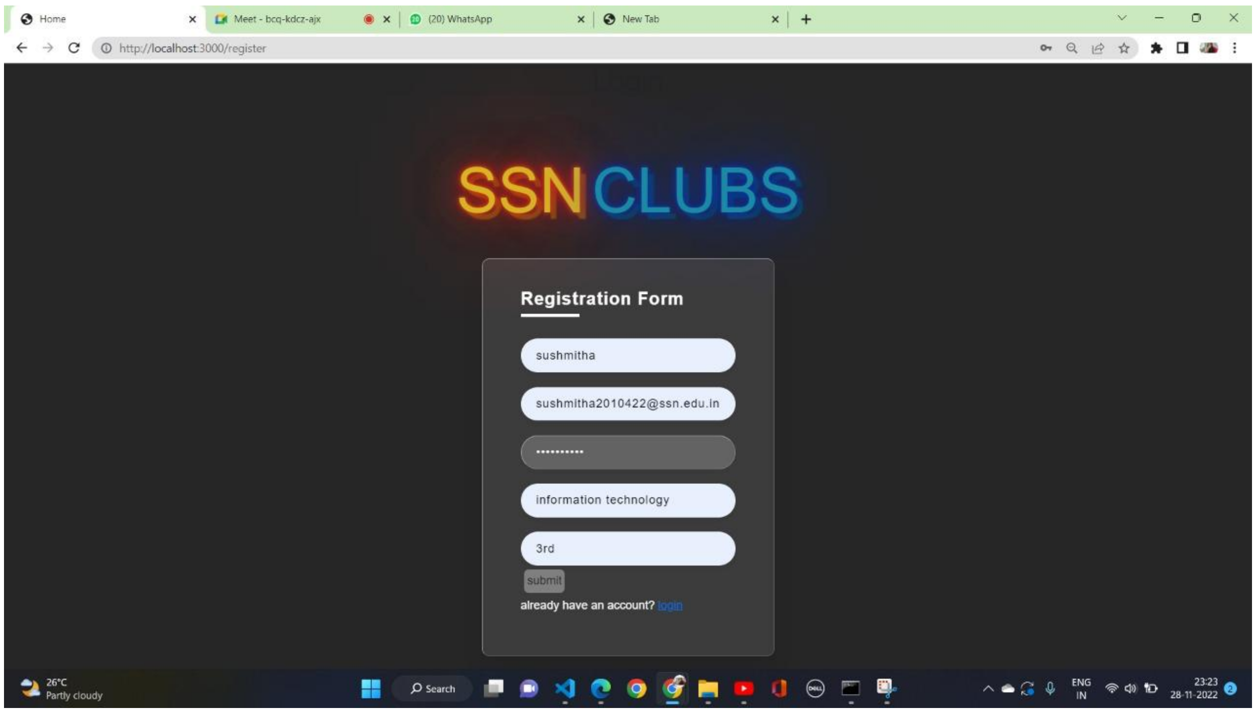


WELCOME TO SSN CLUBS

Register and login to know More

Student View:

Registration form

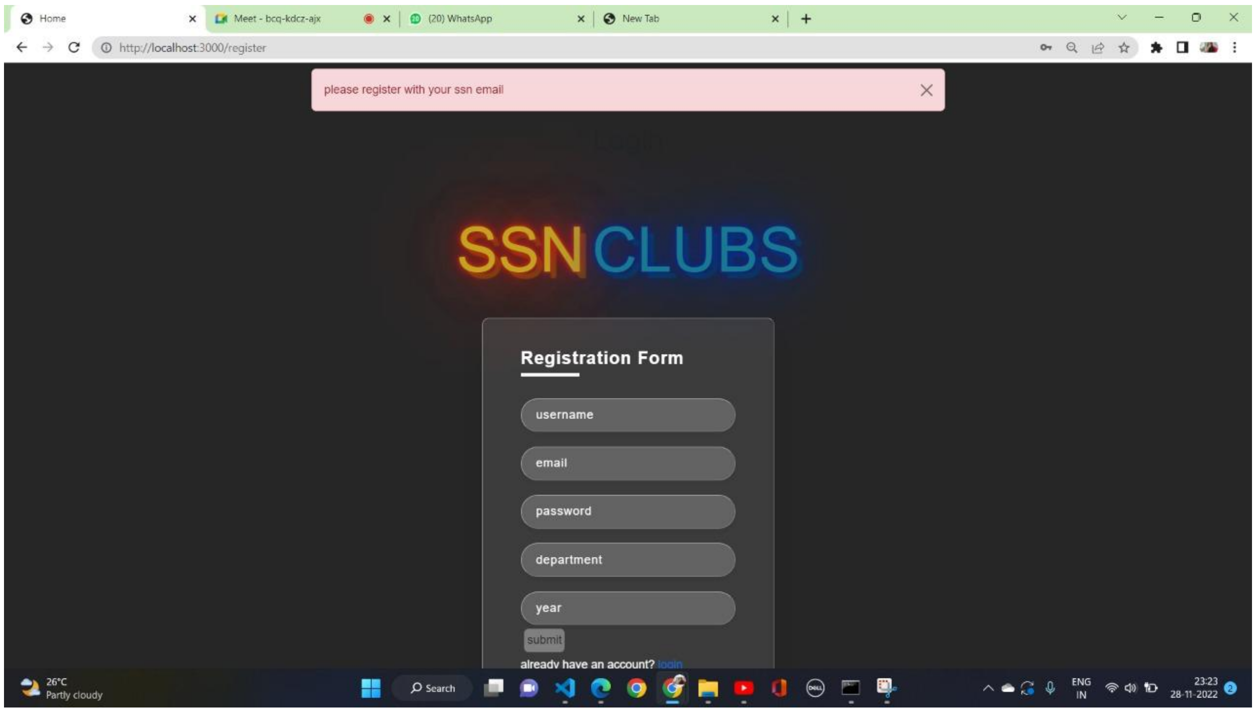


Registration Form

sushmitha
sushmitha2010422@ssn.edu.in
••••••••••
information technology
3rd

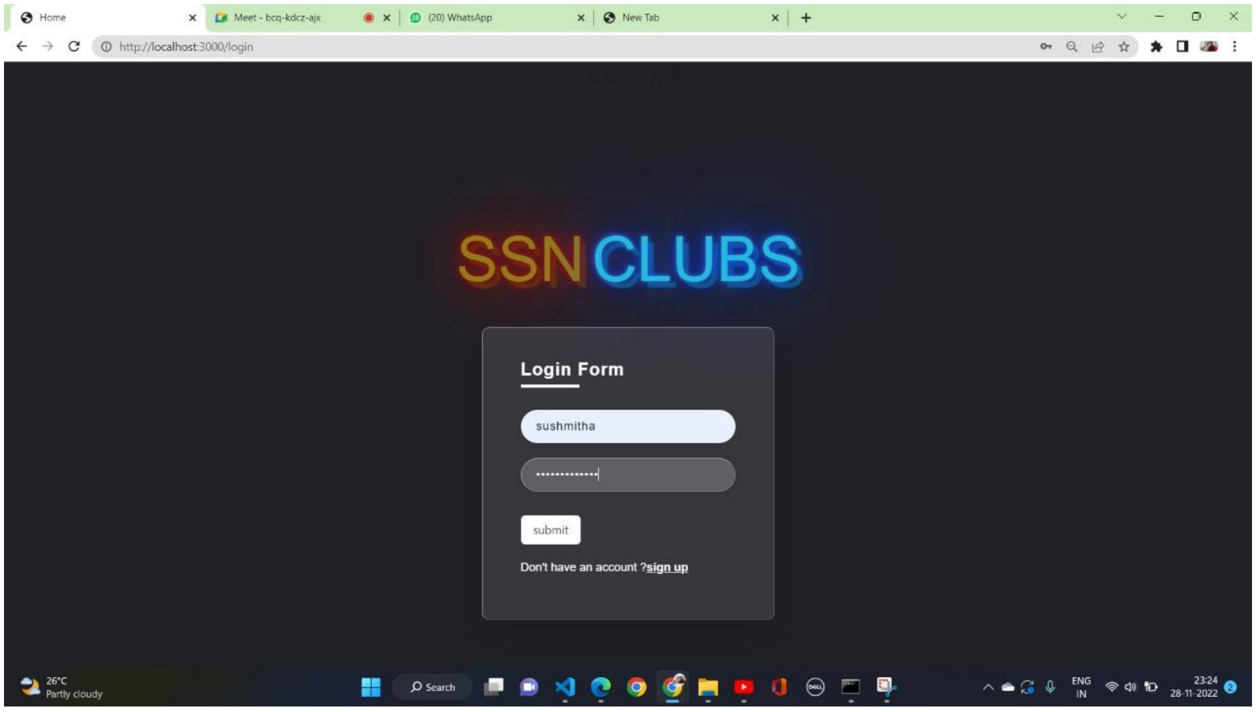
already have an account? login

Can register only with SSN mail id

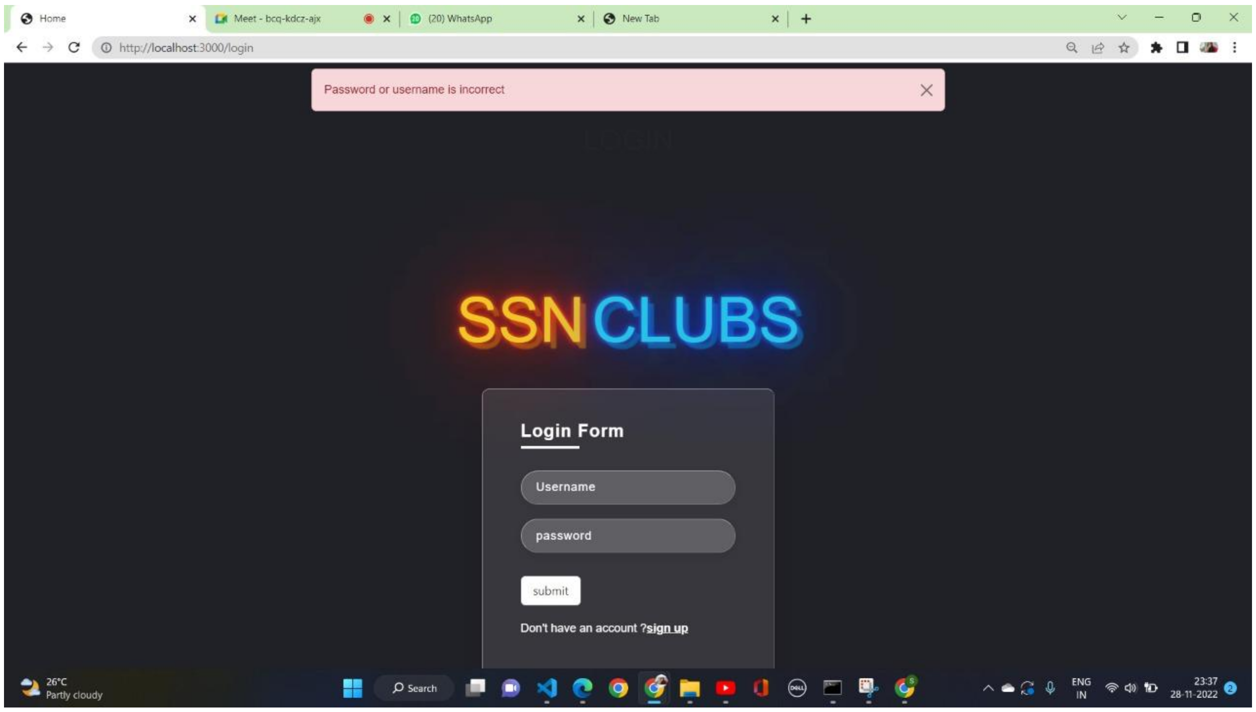


please register with your ssn email

Login form

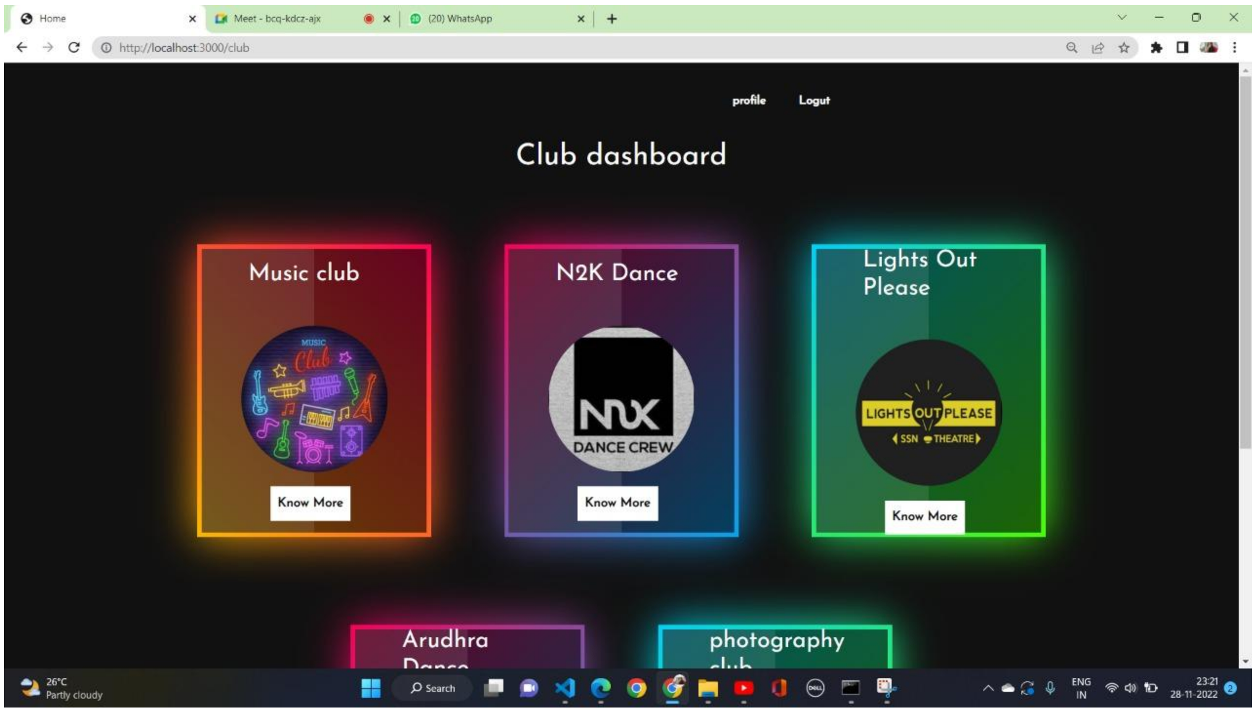


Incorrect login credentials

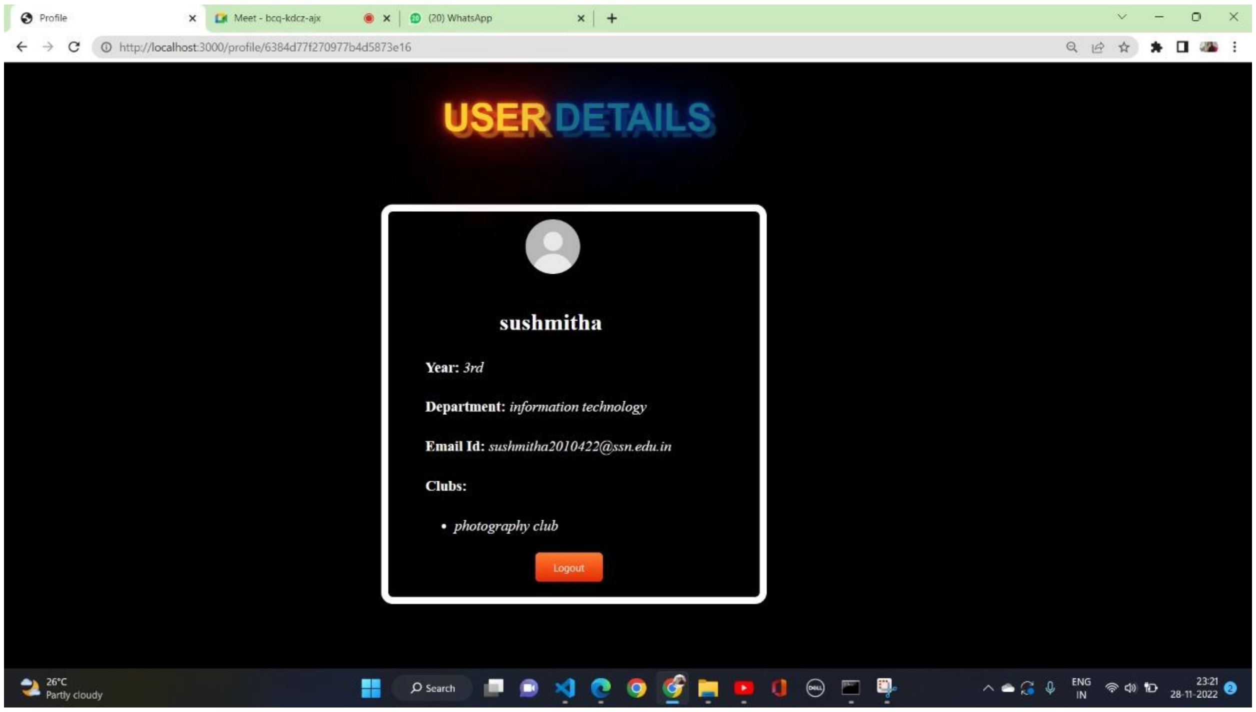


Password or username is incorrect

Clubs dashboard



User/student details



sushmitha

Year: *3rd*

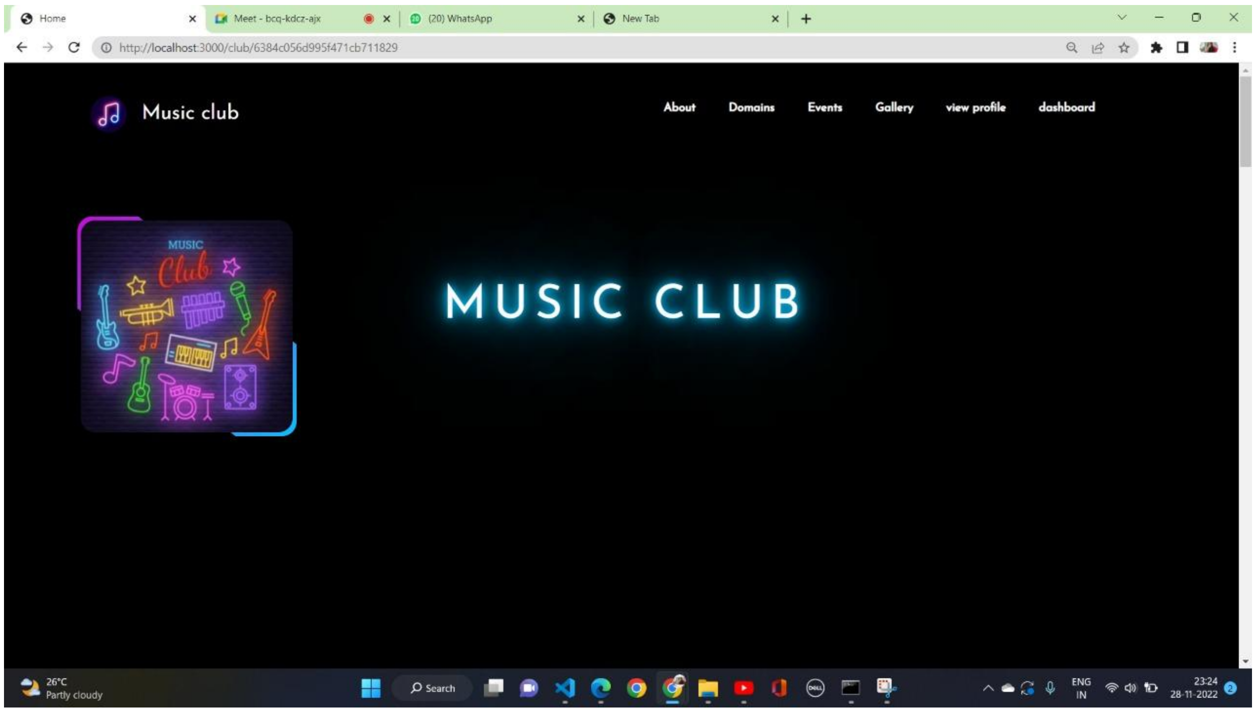
Department: *information technology*

Email Id: *sushmitha2010422@ssn.edu.in*

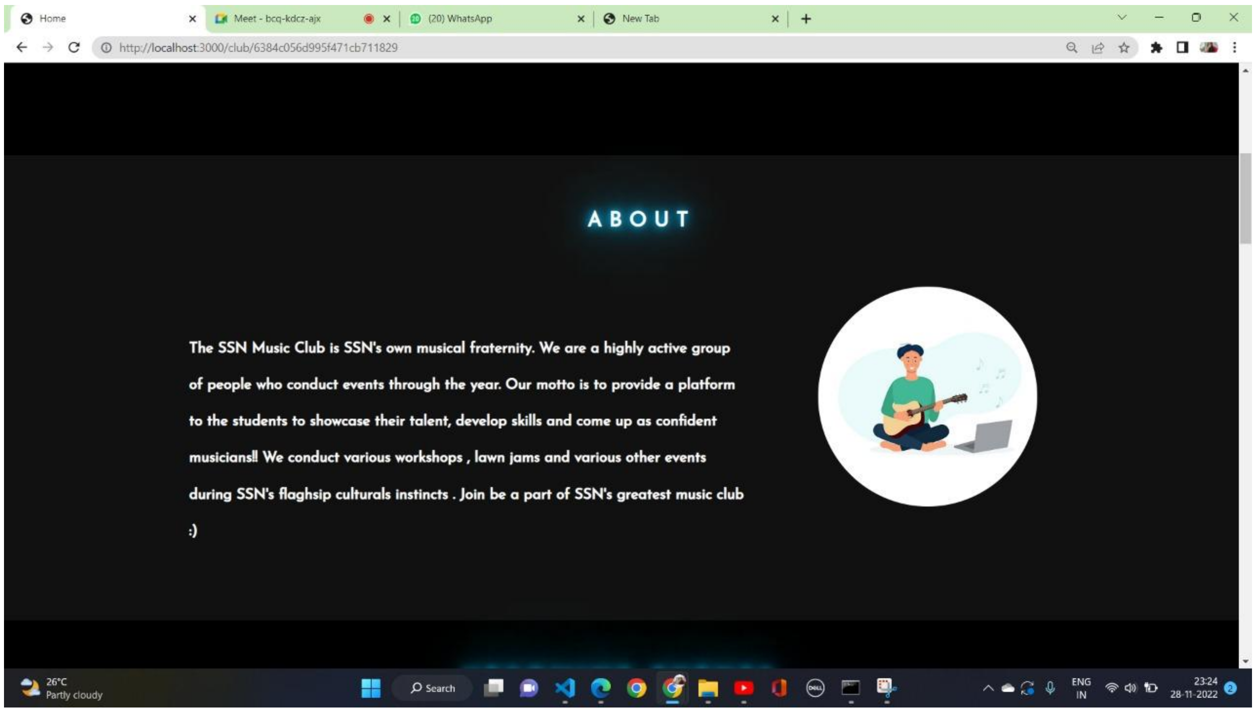
Clubs:

- *photography club*

Club page - SSN music club



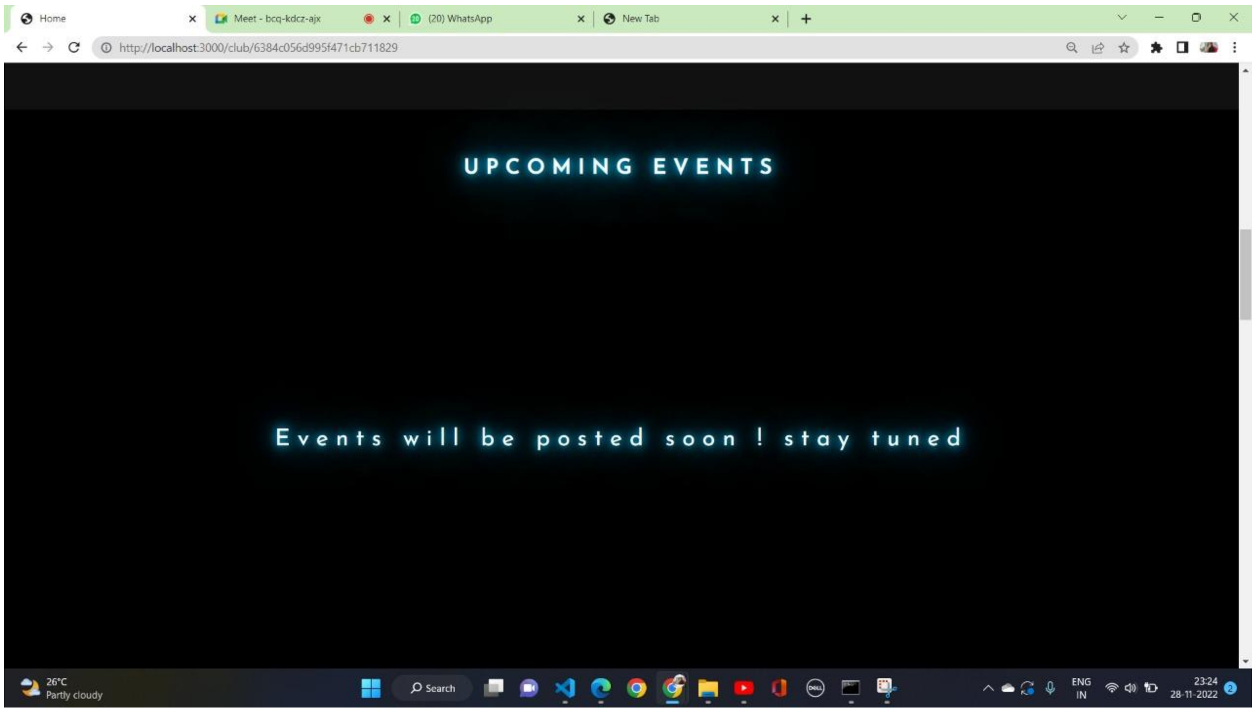
About SMC



ABOUT

The SSN Music Club is SSN's own musical fraternity. We are a highly active group of people who conduct events through the year. Our motto is to provide a platform to the students to showcase their talent, develop skills and come up as confident musicians!! We conduct various workshops , lawn jams and various other events during SSN's flaghship culturals instincts . Join be a part of SSN's greatest music club :)

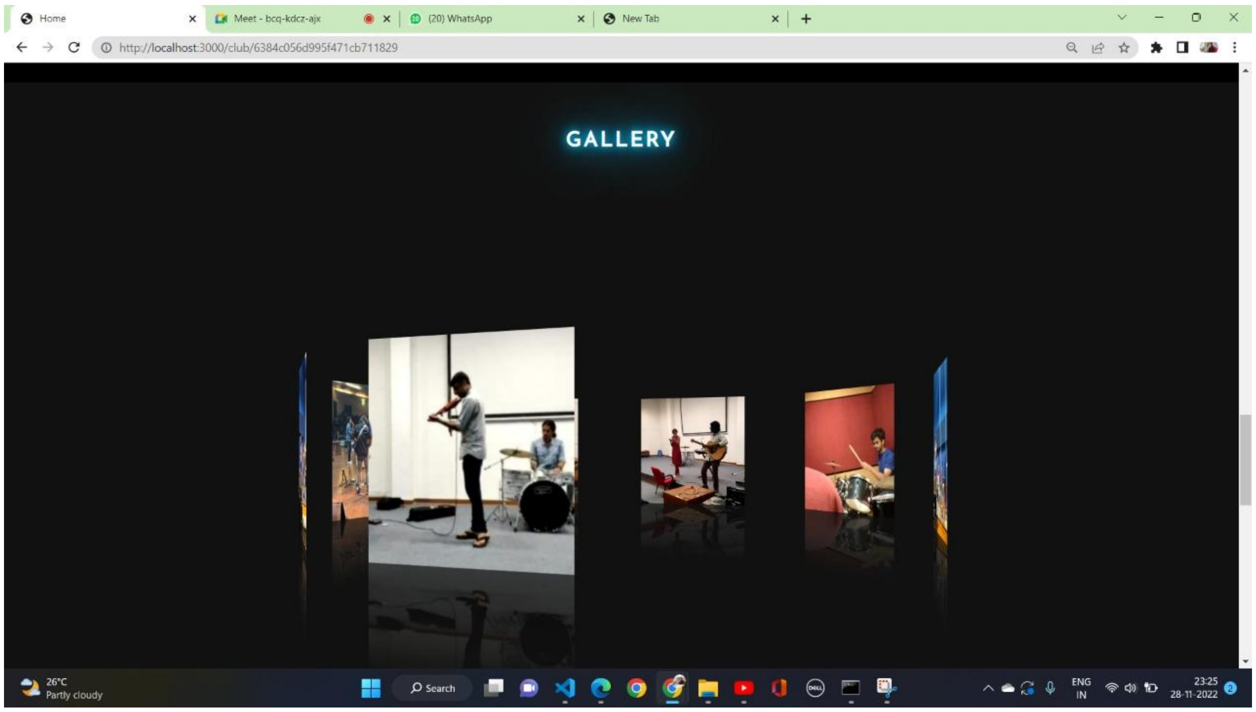
Upcoming events of the club

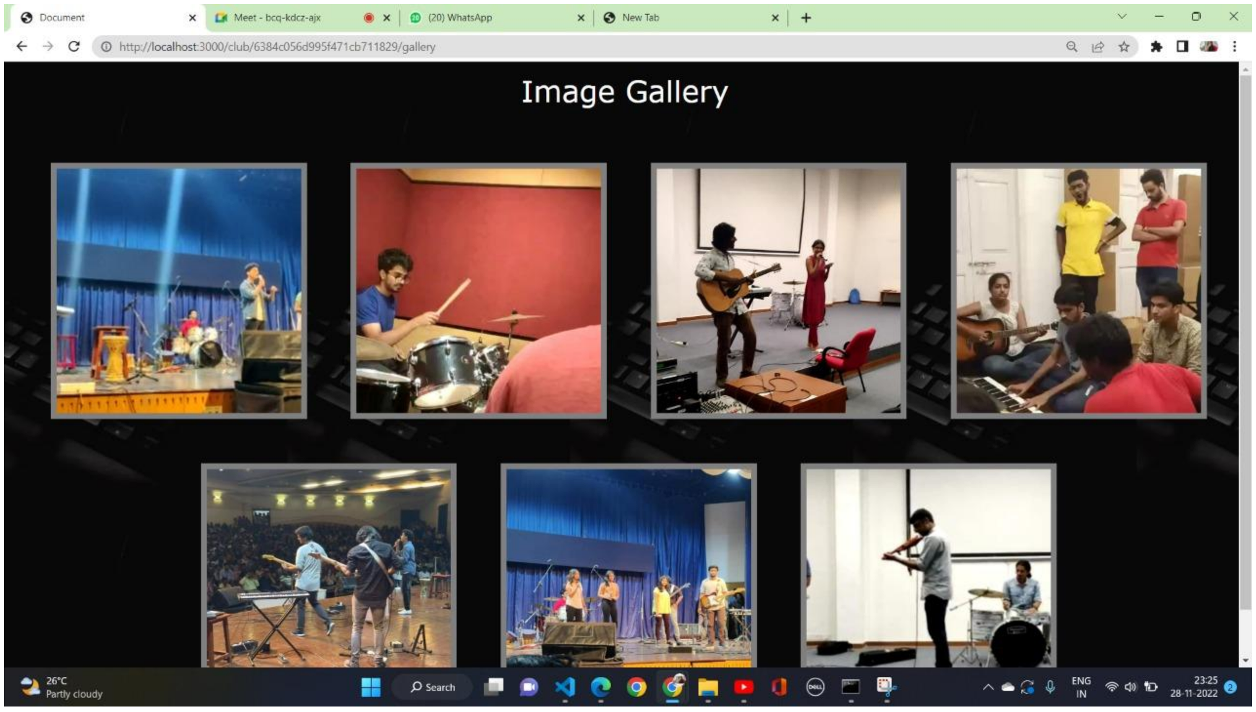


UPCOMING EVENTS

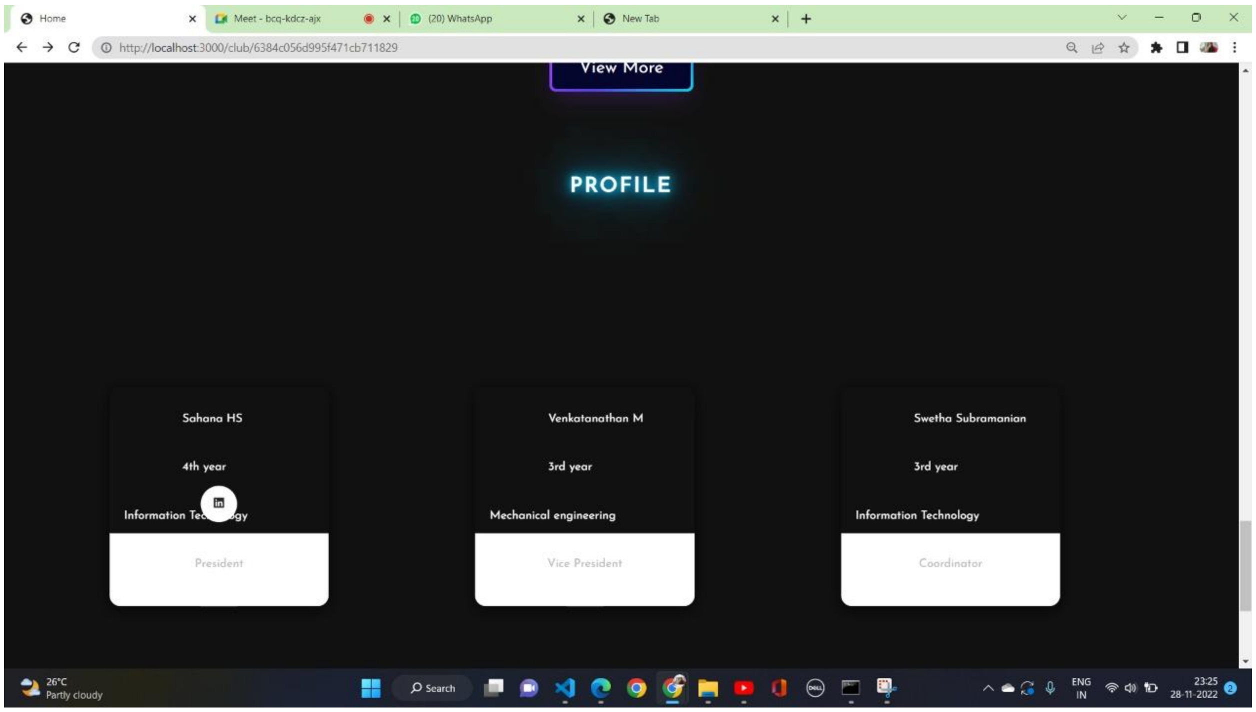
Events will be posted soon ! stay tuned

SMC club photo gallery





Club heads and their linkedin profile links

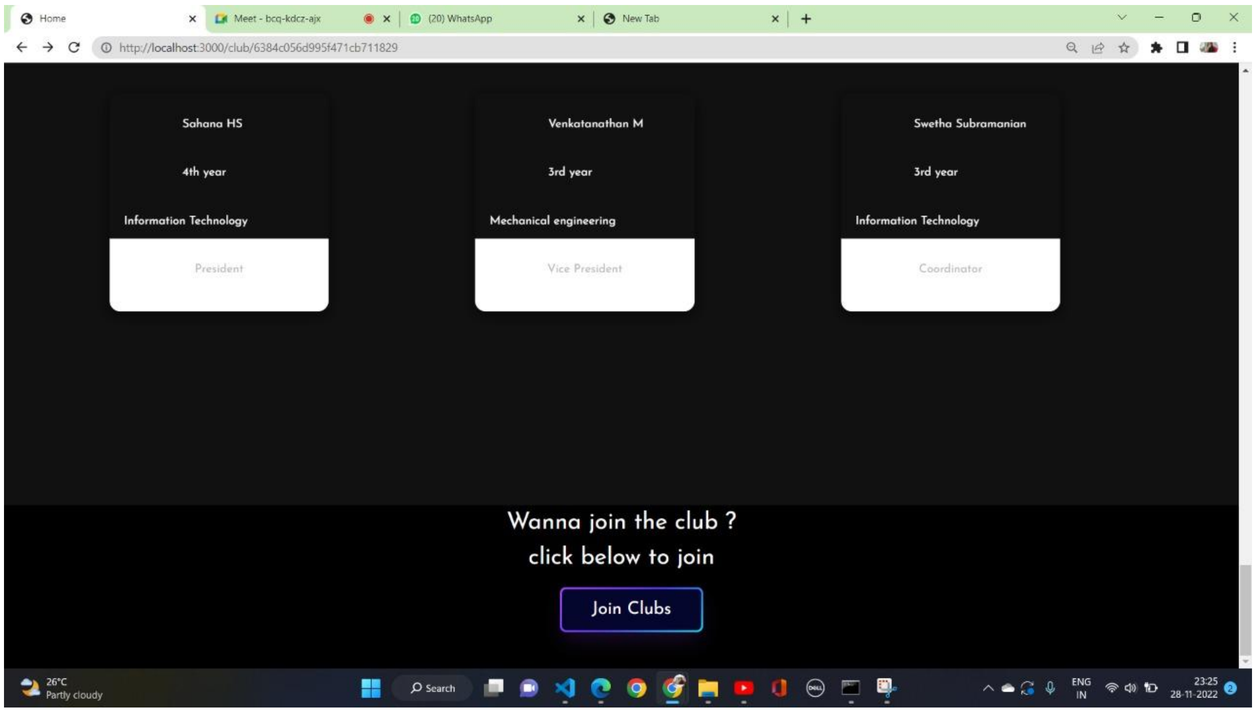


Sahana HS
4th year
Information Technology
President

Venkatanathan M
3rd year
Mechanical engineering
Vice President

Swetha Subramanian
3rd year
Information Technology
Coordinator

Option to join the club

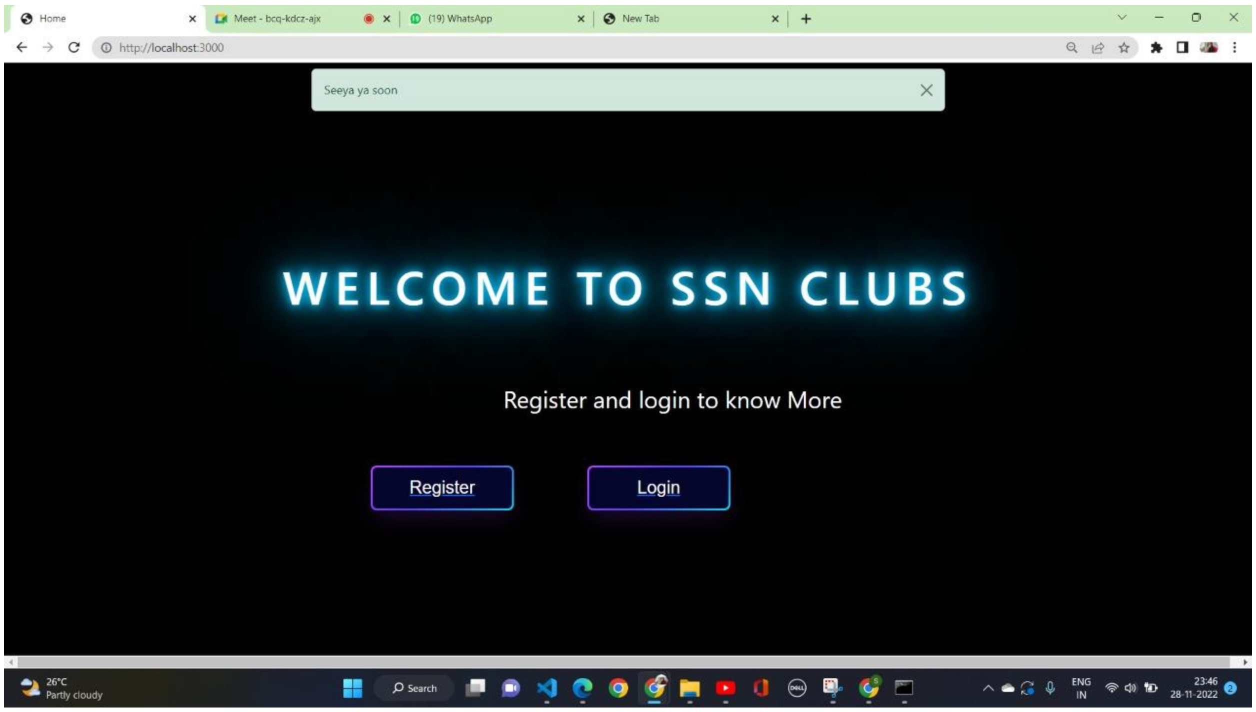

Sahana HS
4th year
Information Technology
President

Venkatanathan M
3rd year
Mechanical engineering
Vice President

Swetha Subramanian
3rd year
Information Technology
Coordinator

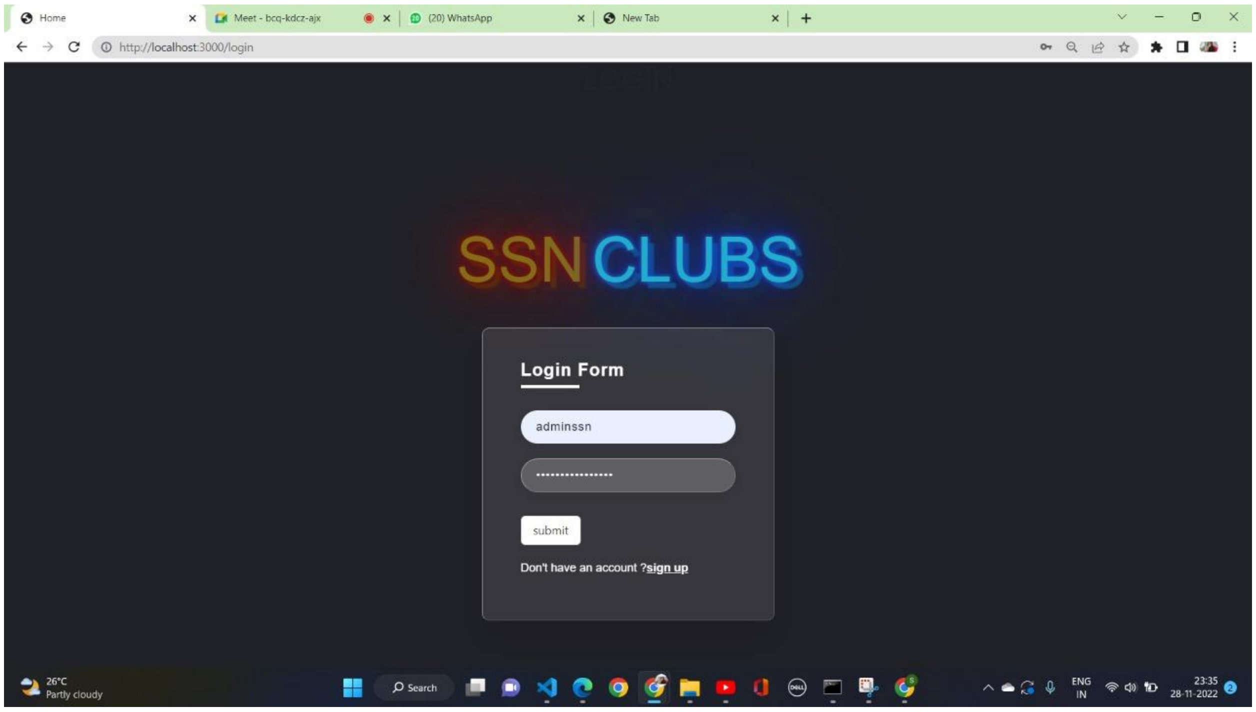
Wanna join the club ?
click below to join

Logout:

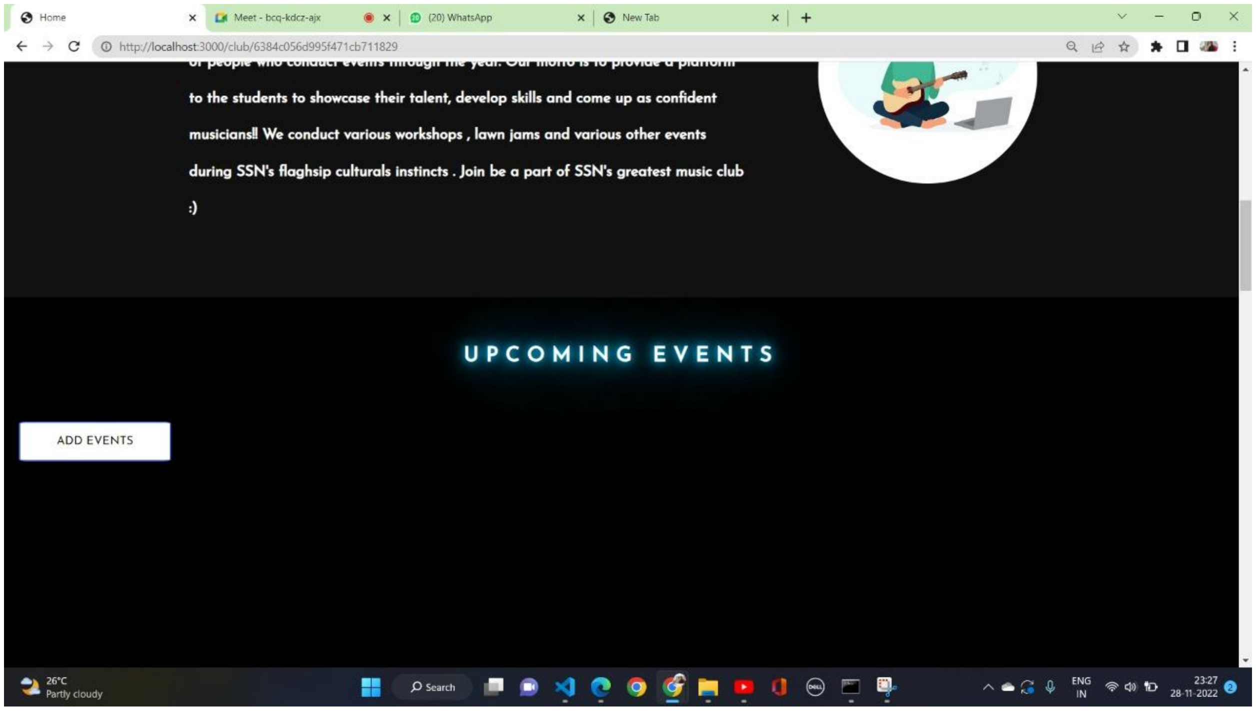


Club head view:

Club head login



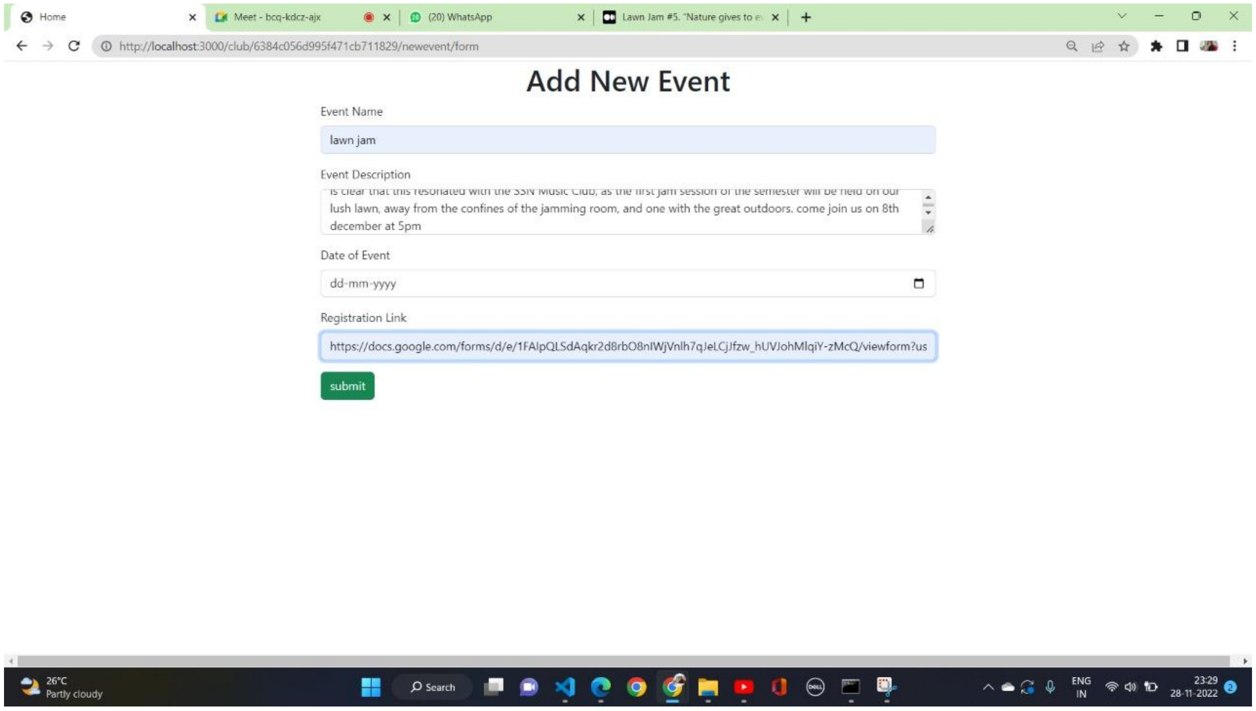
Option to add new event



of people who conduct events through the year. Our motto is to provide a platform to the students to showcase their talent, develop skills and come up as confident musicians!! We conduct various workshops , lawn jams and various other events during SSN's flaghsip culturals instincts . Join be a part of SSN's greatest music club :)

UPCOMING EVENTS

Add new event form to collect details



Home
Meet - bcq-kdcz-ajx
(20) WhatsApp
Lawn Jam #5. "Nature gives to e
http://localhost:3000/club/6384c056d995f471cb711829/newevent/form

Add New Event

Event Name

lawn jam

Event Description

is clear that this resonated with the SSN Music Club, as the first jam session of the semester will be held on our lush lawn, away from the confines of the jamming room, and one with the great outdoors. come join us on 8th december at 5pm

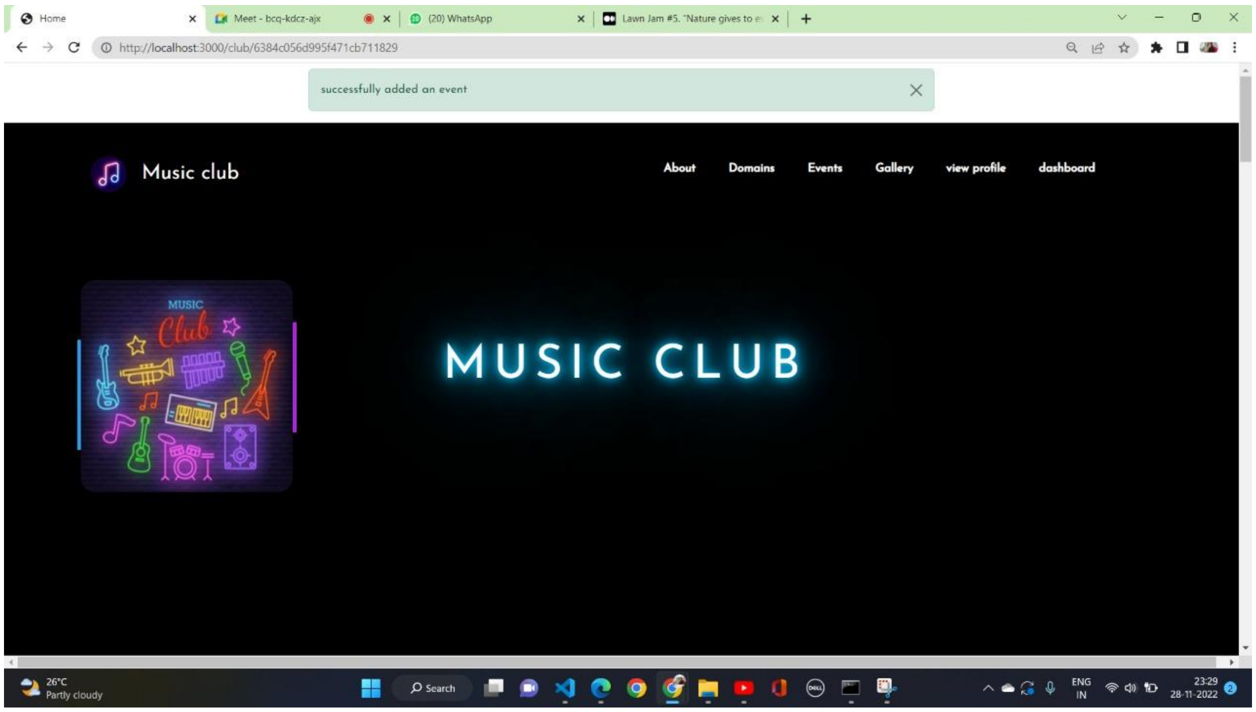
Date of Event

dd-mm-yyyy

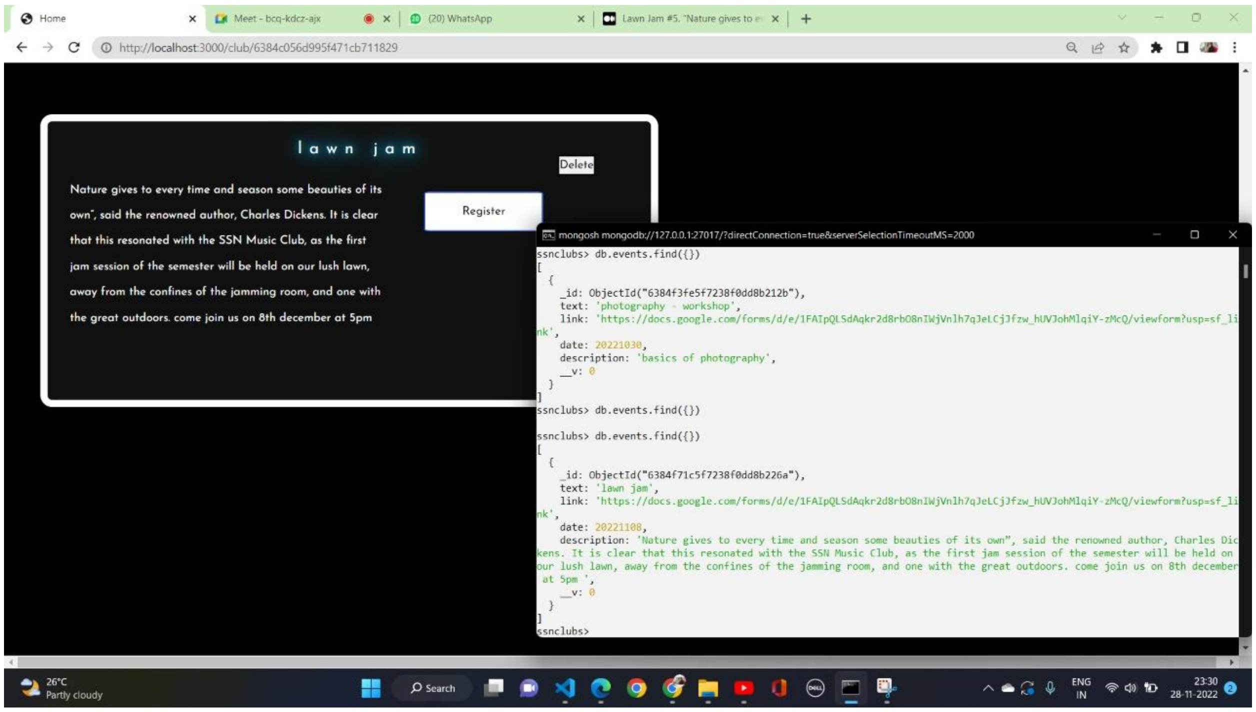
Registration Link

https://docs.google.com/forms/d/e/1FAIpQLSdAqkr2d8rbO8nlWjVnlh7qJeLCjJfzw_hUVJohMlqiY-zMcQ/viewform?us

Event added successfully by the club head


http://localhost:3000/club/6384c056d995f471cb711829
successfully added an event
Music club
About
Domains
Events
Gallery
view profile
dashboard
MUSIC CLUB

Event details reflected on the club page, event database

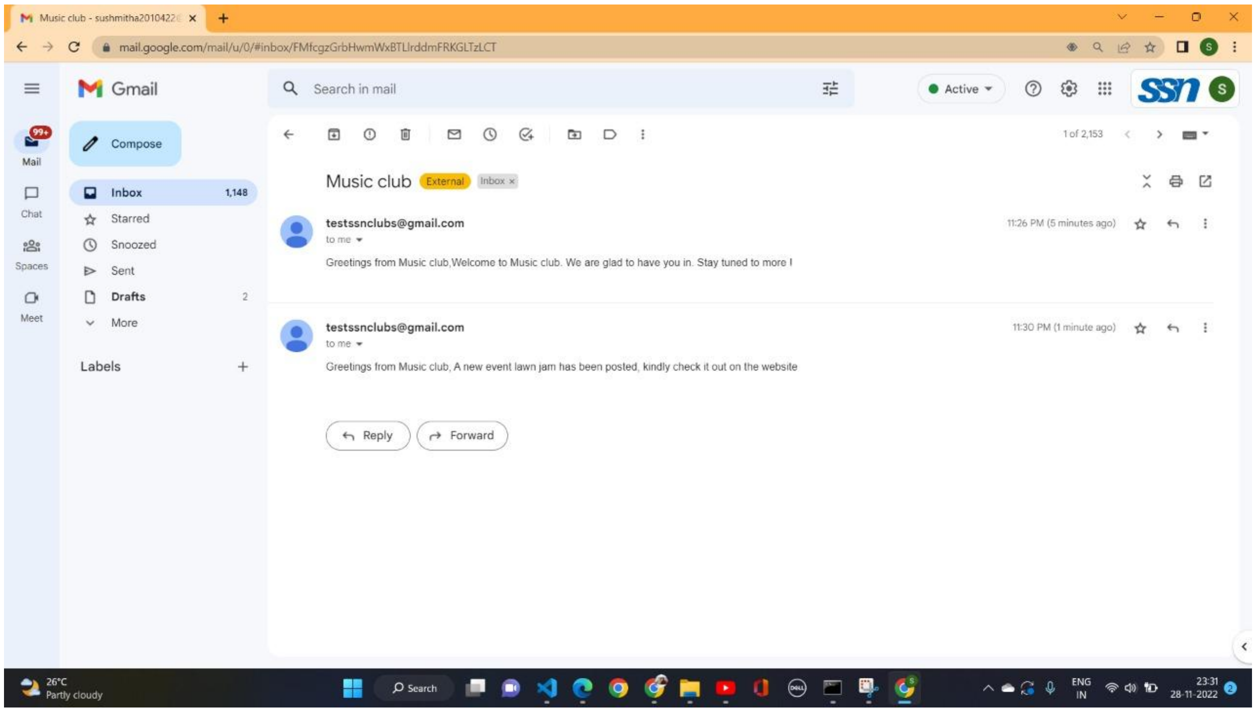


l a w n   j a m

Nature gives to every time and season some beauties of its own", said the renowned author, Charles Dickens. It is clear that this resonated with the SSN Music Club, as the first jam session of the semester will be held on our lush lawn, away from the confines of the jamming room, and one with the great outdoors. come join us on 8th december at 5pm

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
ssnclubs> db.events.find({})
[
  {
    _id: ObjectId("6384f3fe5f7238f0dd8b212b"),
    text: 'photography - workshop',
    link: 'https://docs.google.com/forms/d/e/1FAIpQLSdAqkr2d8rbO8nIWjVnlh7qJeLCjJfzw_hUVJohMlqiY-zMcQ/viewform?usp=sf_li
nk',
    date: 20221030,
    description: 'basics of photography',
    __v: 0
  }
]
ssnclubs> db.events.find({})

ssnclubs> db.events.find({})
[
  {
    _id: ObjectId("6384f71c5f7238f0dd8b226a"),
    text: 'lawn jam',
    link: 'https://docs.google.com/forms/d/e/1FAIpQLSdAqkr2d8rbO8nIWjVnlh7qJeLCjJfzw_hUVJohMlqiY-zMcQ/viewform?usp=sf_li
nk',
    date: 20221108,
    description: 'Nature gives to every time and season some beauties of its own", said the renowned author, Charles Dic
kens. It is clear that this resonated with the SSN Music Club, as the first jam session of the semester will be held on
our lush lawn, away from the confines of the jamming room, and one with the great outdoors. come join us on 8th december
 at 5pm ',
    __v: 0
  }
]
ssnclubs>
```

Mail sent to the students who are part of the club



Music club External Inbox

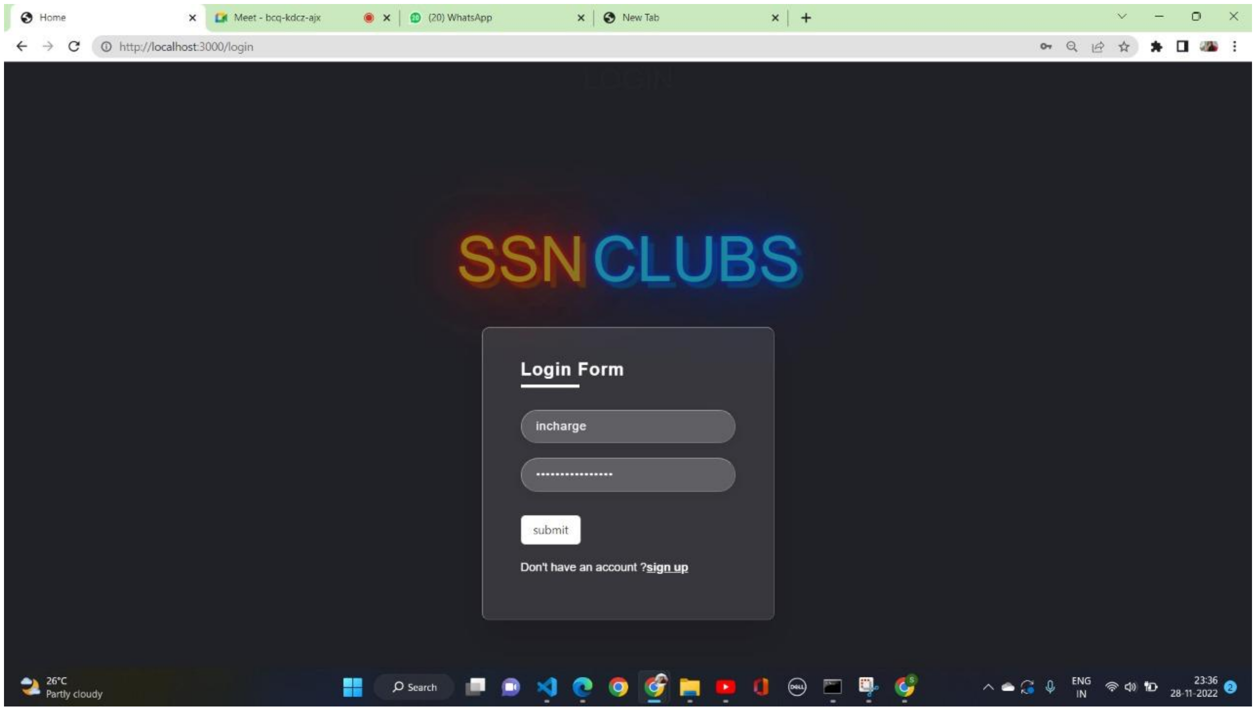
testssnclubs@gmail.com
to me
11:26 PM (5 minutes ago)

Greetings from Music club,Welcome to Music club. We are glad to have you in. Stay tuned to more !

testssnclubs@gmail.com
to me
11:30 PM (1 minute ago)

Greetings from Music club, A new event lawn jam has been posted, kindly check it out on the website

Teacher incharge view:



http://localhost:3000/login

SSN CLUBS

Login Form

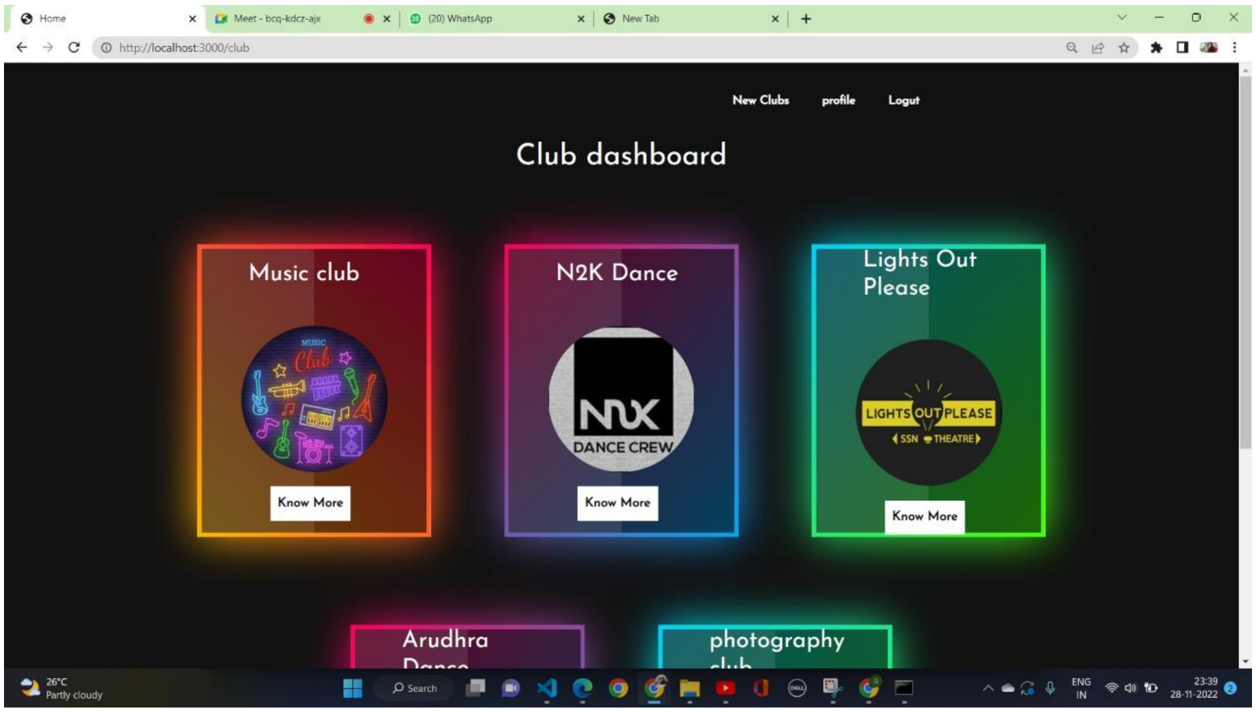
incharge

••••••••••••••••

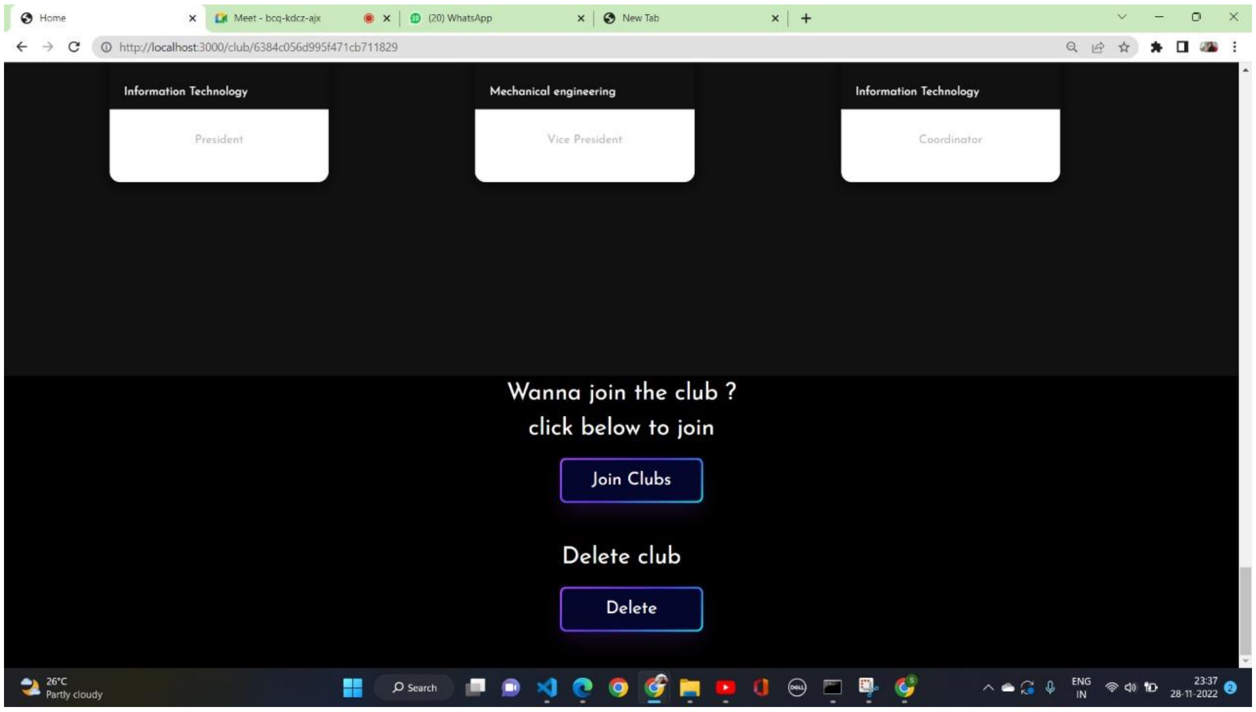
submit

Don't have an account ?sign up

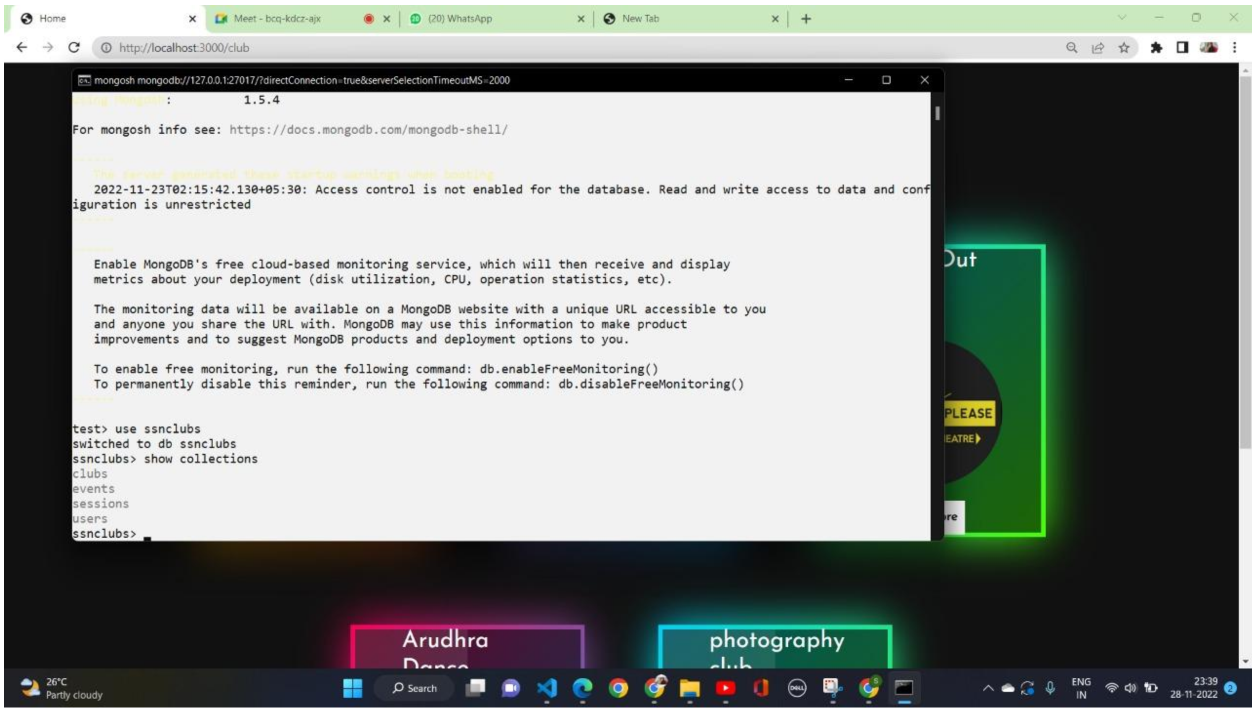
Option to add new clubs



Option to delete club

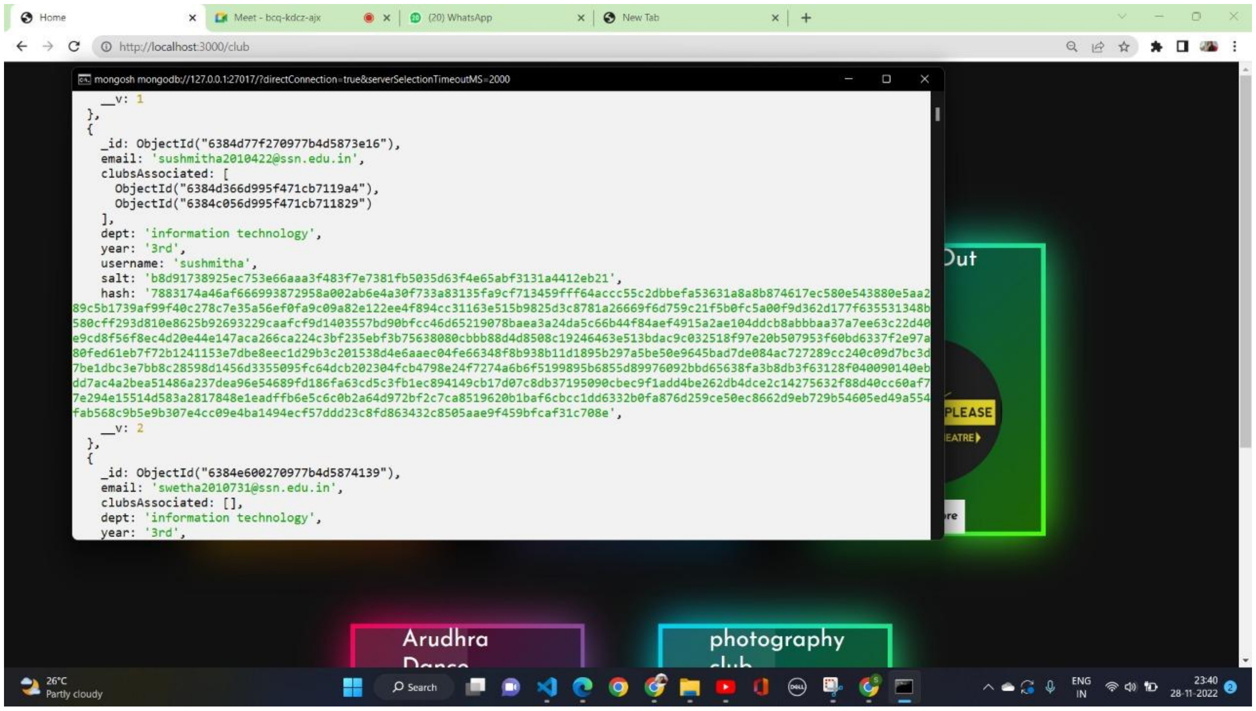


Databases



```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
Using Mongosh:          1.5.4

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

------
   The server generated these startup warnings when booting
   2022-11-23T02:15:42.130+05:30: Access control is not enabled for the database. Read and write access to data and conf
iguration is unrestricted
------

------
   Enable MongoDB's free cloud-based monitoring service, which will then receive and display
   metrics about your deployment (disk utilization, CPU, operation statistics, etc).

   The monitoring data will be available on a MongoDB website with a unique URL accessible to you
   and anyone you share the URL with. MongoDB may use this information to make product
   improvements and to suggest MongoDB products and deployment options to you.

   To enable free monitoring, run the following command: db.enableFreeMonitoring()
   To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
------

test> use ssnclubs
switched to db ssnclubs
ssnclubs> show collections
clubs
events
sessions
users
ssnclubs>
```

User database



```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
    __v: 1
  },
  {
    _id: ObjectId("6384d77f270977b4d5873e16"),
    email: 'sushmitha2010422@ssn.edu.in',
    clubsAssociated: [
      ObjectId("6384d366d995f471cb7119a4"),
      ObjectId("6384c056d995f471cb711829")
    ],
    dept: 'information technology',
    year: '3rd',
    username: 'sushmitha',
    salt: 'b8d91738925ec753e66aaa3f483f7e7381fb5035d63f4e65abf3131a4412eb21',
    hash: '7883174a46af666993872958a002ab6e4a30f733a83135fa9cf713459fff64accc55c2dbbefa53631a8a8b874617ec580e543880e5aa2
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7e294e15514d583a2817848e1eadffb6e5c6c0b2a64d972bf2c7ca8519620b1baf6cbcc1dd6332b0fa876d259ce50ec8662d9eb729b54605ed49a554
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    __v: 2
  },
  {
    _id: ObjectId("6384e600270977b4d5874139"),
    email: 'swetha2010731@ssn.edu.in',
    clubsAssociated: [],
    dept: 'information technology',
    year: '3rd',
```

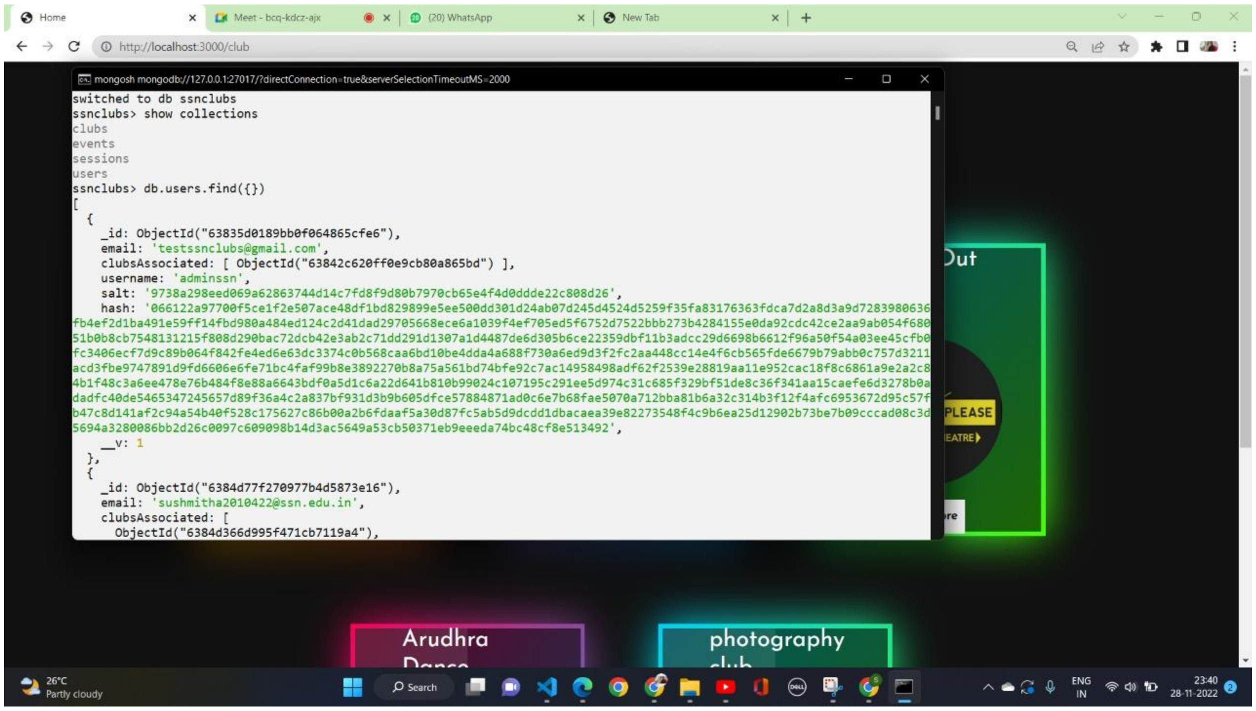

```
switched to db ssnclubs
ssnclubs> show collections
clubs
events
sessions
users
ssnclubs> db.users.find({})
[
  {
    _id: ObjectId("63835d0189bb0f064865cfe6"),
    email: 'testssnclubs@gmail.com',
    clubsAssociated: [ ObjectId("63842c620ff0e9cb80a865bd") ],
    username: 'adminssn',
    salt: '9738a298eed069a62863744d14c7fd8f9d80b7970cb65e4f4d0ddde22c808d26',
    hash: '066122a97700f5ce1f2e507ace48df1bd829899e5ee500dd301d24ab07d245d4524d5259f35fa83176363fdca7d2a8d3a9d7283980636
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b47c8d141af2c94a54b40f528c175627c86b00a2b6fdaaf5a30d87fc5ab5d9dcdd1dbacaea39e82273548f4c9b6ea25d12902b73be7b09cccad08c3d
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  },
  {
    _id: ObjectId("6384d77f270977b4d5873e16"),
    email: 'sushmitha2010422@ssn.edu.in',
    clubsAssociated: [
      ObjectId("6384d366d995f471cb7119a4"),
```
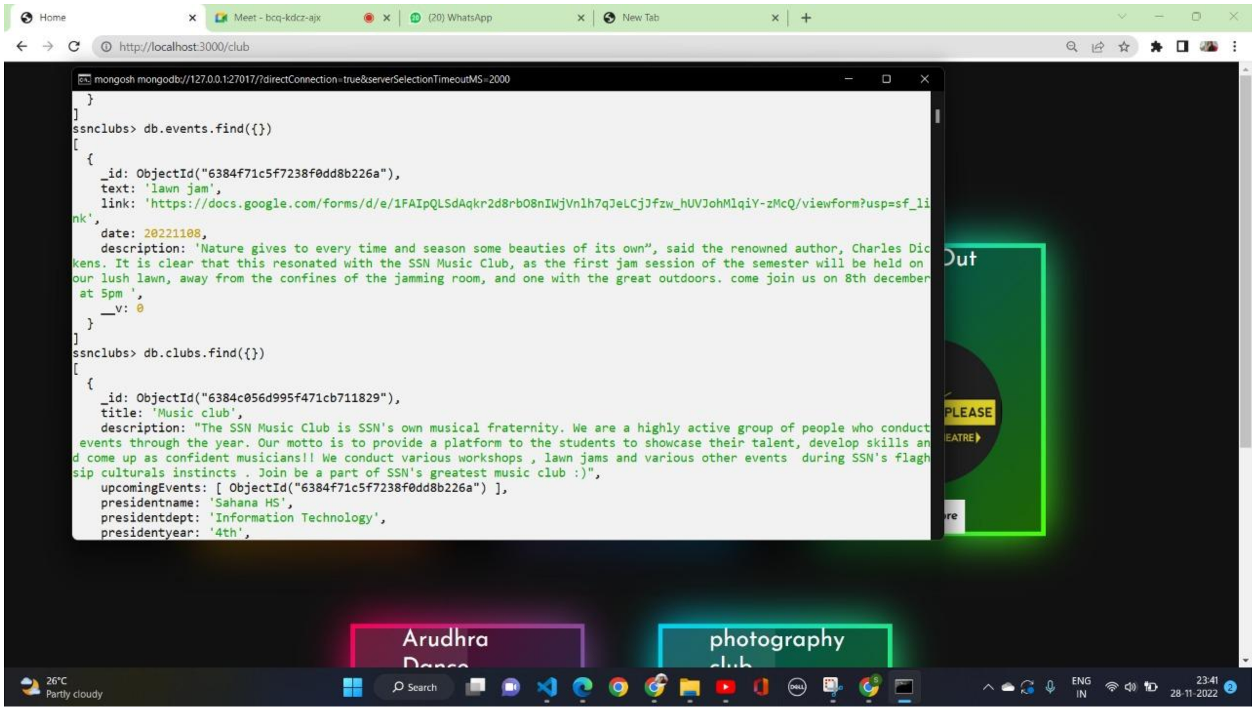
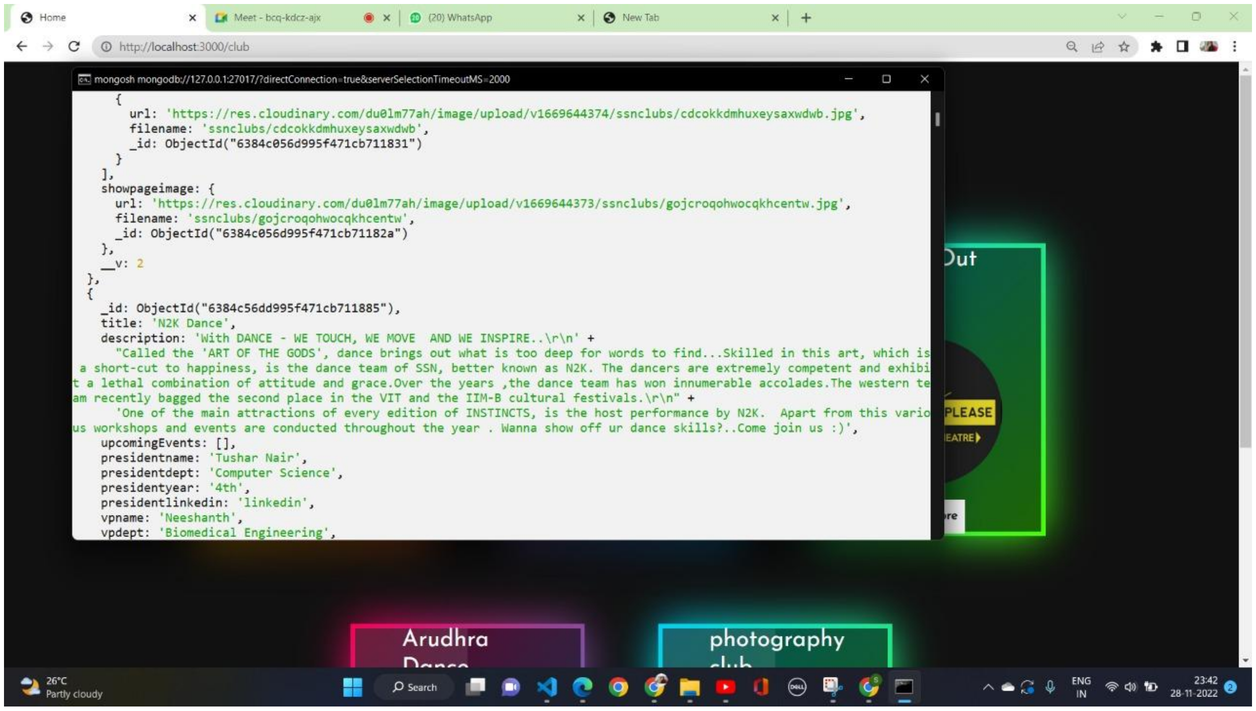

Event database



```
  }
]
ssnclubs> db.events.find({})
[
  {
    _id: ObjectId("6384f71c5f7238f0dd8b226a"),
    text: 'lawn jam',
    link: 'https://docs.google.com/forms/d/e/1FAIpQLSdAqkr2d8rbO8nIWjVnlh7qJeLCjJfzw_hUVJohMlqiY-zMcQ/viewform?usp=sf_li
nk',
    date: 20221108,
    description: 'Nature gives to every time and season some beauties of its own", said the renowned author, Charles Dic
kens. It is clear that this resonated with the SSN Music Club, as the first jam session of the semester will be held on
our lush lawn, away from the confines of the jamming room, and one with the great outdoors. come join us on 8th december
 at 5pm ',
    __v: 0
  }
]
ssnclubs> db.clubs.find({})
[
  {
    _id: ObjectId("6384c056d995f471cb711829"),
    title: 'Music club',
    description: "The SSN Music Club is SSN's own musical fraternity. We are a highly active group of people who conduct
 events through the year. Our motto is to provide a platform to the students to showcase their talent, develop skills an
d come up as confident musicians!! We conduct various workshops , lawn jams and various other events  during SSN's flagh
sip culturals instincts . Join be a part of SSN's greatest music club :)",
    upcomingEvents: [ ObjectId("6384f71c5f7238f0dd8b226a") ],
    presidentname: 'Sahana HS',
    presidentdept: 'Information Technology',
    presidentyear: '4th',
```



```
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      }
    ],
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      filename: 'ssnclubs/gojcroqohwocqkhcentw',
      _id: ObjectId("6384c056d995f471cb71182a")
    },
    __v: 2
  },
  {
    _id: ObjectId("6384c56dd995f471cb711885"),
    title: 'N2K Dance',
    description: 'With DANCE - WE TOUCH, WE MOVE  AND WE INSPIRE..\r\n' +
      "Called the 'ART OF THE GODS', dance brings out what is too deep for words to find...Skilled in this art, which is
 a short-cut to happiness, is the dance team of SSN, better known as N2K. The dancers are extremely competent and exhibi
t a lethal combination of attitude and grace.Over the years ,the dance team has won innumerable accolades.The western te
am recently bagged the second place in the VIT and the IIM-B cultural festivals.\r\n" +
      'One of the main attractions of every edition of INSTINCTS, is the host performance by N2K.  Apart from this vario
us workshops and events are conducted throughout the year . Wanna show off ur dance skills?..Come join us :)',
    upcomingEvents: [],
    presidentname: 'Tushar Nair',
    presidentdept: 'Computer Science',
    presidentyear: '4th',
    presidentlinkedin: 'linkedin',
    vpname: 'Neeshanth',
    vpdept: 'Biomedical Engineering',
```
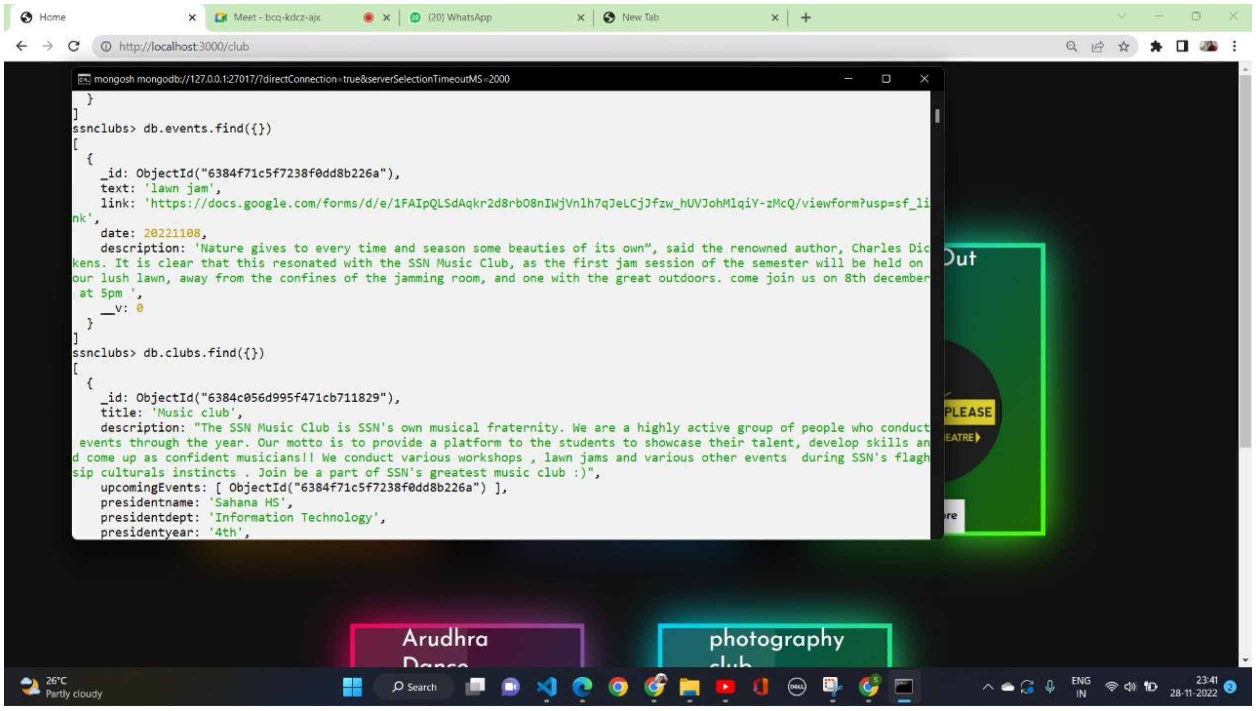
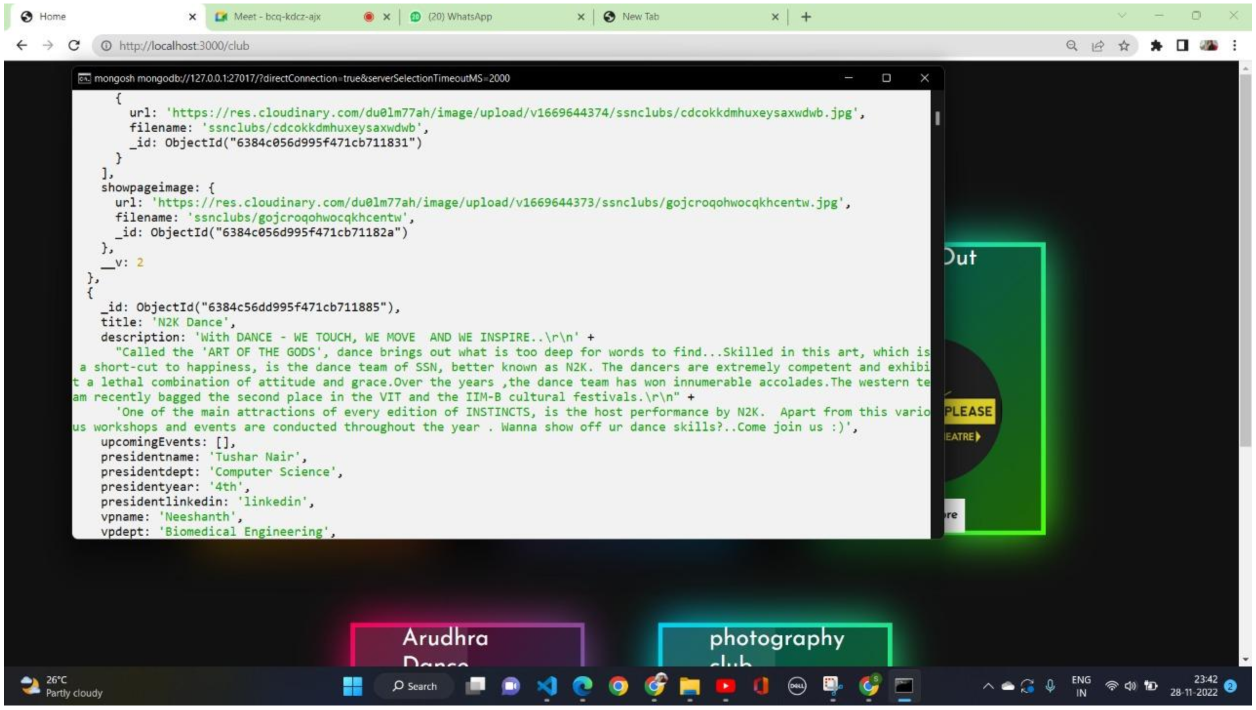

Clubs database



```
  }
]
ssnclubs> db.events.find({})
[
  {
    _id: ObjectId("6384f71c5f7238f0dd8b226a"),
    text: 'lawn jam',
    link: 'https://docs.google.com/forms/d/e/1FAIpQLSdAqkr2d8rbO8nIWjVnlh7qJeLCjJfzw_hUVJohMlqiY-zMcQ/viewform?usp=sf_li
nk',
    date: 20221108,
    description: 'Nature gives to every time and season some beauties of its own", said the renowned author, Charles Dic
kens. It is clear that this resonated with the SSN Music Club, as the first jam session of the semester will be held on
our lush lawn, away from the confines of the jamming room, and one with the great outdoors. come join us on 8th december
 at 5pm ',
    __v: 0
  }
]
ssnclubs> db.clubs.find({})
[
  {
    _id: ObjectId("6384c056d995f471cb711829"),
    title: 'Music club',
    description: "The SSN Music Club is SSN's own musical fraternity. We are a highly active group of people who conduct
 events through the year. Our motto is to provide a platform to the students to showcase their talent, develop skills an
d come up as confident musicians!! We conduct various workshops , lawn jams and various other events  during SSN's flagh
sip culturals instincts . Join be a part of SSN's greatest music club :)",
    upcomingEvents: [ ObjectId("6384f71c5f7238f0dd8b226a") ],
    presidentname: 'Sahana HS',
    presidentdept: 'Information Technology',
    presidentyear: '4th',
```


Home
Meet - bcq-kdcz-ajx
(20) WhatsApp
New Tab
http://localhost:3000/club
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
Arudhra
photography

```
    {
      url: 'https://res.cloudinary.com/du0lm77ah/image/upload/v1669644374/ssnclubs/cdcokkdmhuxeysaxwdwb.jpg',
      filename: 'ssnclubs/cdcokkdmhuxeysaxwdwb',
      _id: ObjectId("6384c056d995f471cb711831")
    }
  ],
  showpageimage: {
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    filename: 'ssnclubs/gojcroqohwocqkhcentw',
    _id: ObjectId("6384c056d995f471cb71182a")
  },
  __v: 2
},
{
  _id: ObjectId("6384c56dd995f471cb711885"),
  title: 'N2K Dance',
  description: 'With DANCE - WE TOUCH, WE MOVE  AND WE INSPIRE..\r\n' +
    "Called the 'ART OF THE GODS', dance brings out what is too deep for words to find...Skilled in this art, which is
 a short-cut to happiness, is the dance team of SSN, better known as N2K. The dancers are extremely competent and exhibi
t a lethal combination of attitude and grace.Over the years ,the dance team has won innumerable accolades.The western te
am recently bagged the second place in the VIT and the IIM-B cultural festivals.\r\n" +
    'One of the main attractions of every edition of INSTINCTS, is the host performance by N2K.  Apart from this vario
us workshops and events are conducted throughout the year . Wanna show off ur dance skills?..Come join us :)',
  upcomingEvents: [],
  presidentname: 'Tushar Nair',
  presidentdept: 'Computer Science',
  presidentyear: '4th',
  presidentlinkedin: 'linkedin',
  vpname: 'Neeshanth',
  vpdept: 'Biomedical Engineering',
```

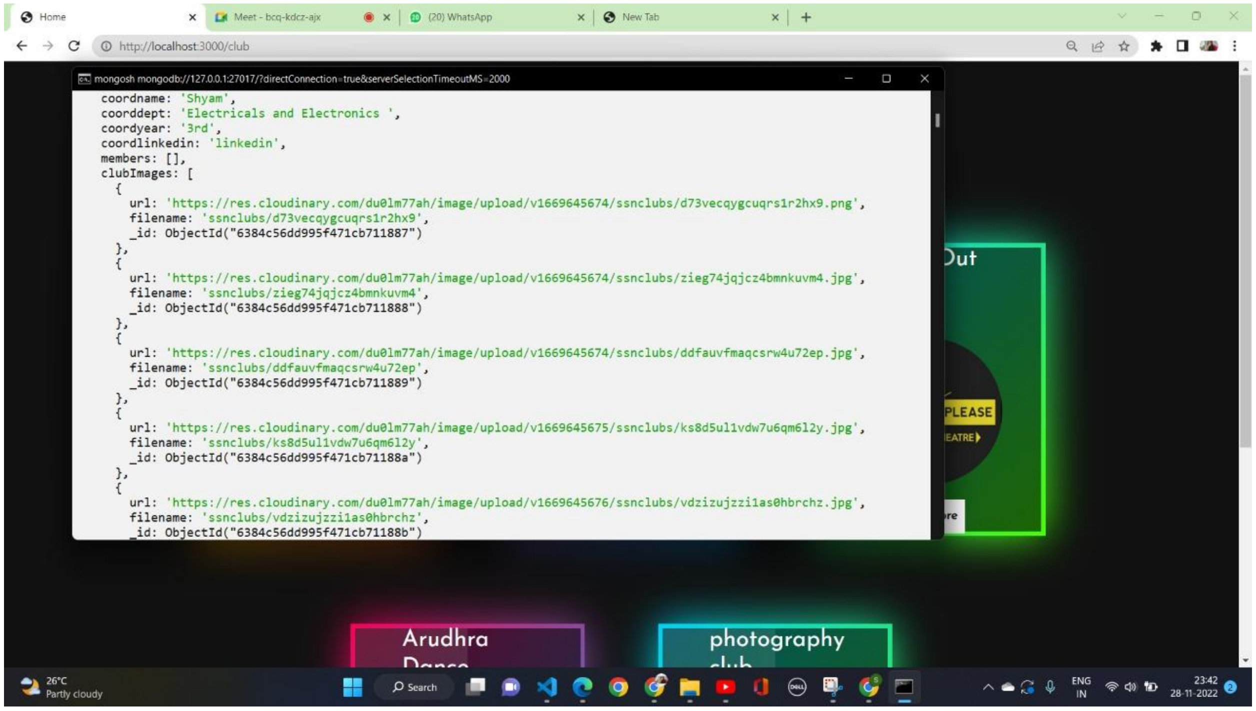
Home
Meet - bcq-kdcz-ajx
(20) WhatsApp
New Tab
http://localhost:3000/club
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
Arudhra
photography

```
  coordname: 'Shyam',
  coorddept: 'Electricals and Electronics ',
  coordyear: '3rd',
  coordlinkedin: 'linkedin',
  members: [],
  clubImages: [
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      filename: 'ssnclubs/d73vecqygcuqrs1r2hx9',
      _id: ObjectId("6384c56dd995f471cb711887")
    },
    {
      url: 'https://res.cloudinary.com/du0lm77ah/image/upload/v1669645674/ssnclubs/zieg74jqjcz4bmnkuvm4.jpg',
      filename: 'ssnclubs/zieg74jqjcz4bmnkuvm4',
      _id: ObjectId("6384c56dd995f471cb711888")
    },
    {
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      _id: ObjectId("6384c56dd995f471cb711889")
    },
    {
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      _id: ObjectId("6384c56dd995f471cb71188a")
    },
    {
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      filename: 'ssnclubs/vdzizujzzi1as0hbrchz',
      _id: ObjectId("6384c56dd995f471cb71188b")
```

<u>Ex:14</u>

Conclusion and Future Directions

Using this system, the client will be able to manage the clubs in a very effective manner. All the club's details and events can be accessed under one website.

In the future we can add an announcement page where we can list all the notices and announcements about each club. Add an event calendar so that the user can view all the upcoming events of all the clubs he/she has registered under one page.

<u>Ex:15</u>

CLIENT EVALUATION REPORT

Name of the project: Club Management System

Team Members: Surya M, Sushmitha S, Swaminathan N, Swetha Subramanian

Client details: Sahana HSJ, Club head, SSN Music club

Rating System - 1: Strongly disagree 2: Disagree 3: Neutral 4: Agree 5: Strongly Agree

Questions	1	2	3	4	5
The problem was well discussed and the requirements and goals were clear.					✔
The project plan was well defined and communicated from the start.					✔
The resources were adequate for achieving the goals.				✔	
The original timeline was realistic and was followed.					✔
The teamwork was well demonstrated.					✔
The client was communicated on regular intervals and given updates on the progress of the project.					✔
The expected project requirements have been satisfied.					✔