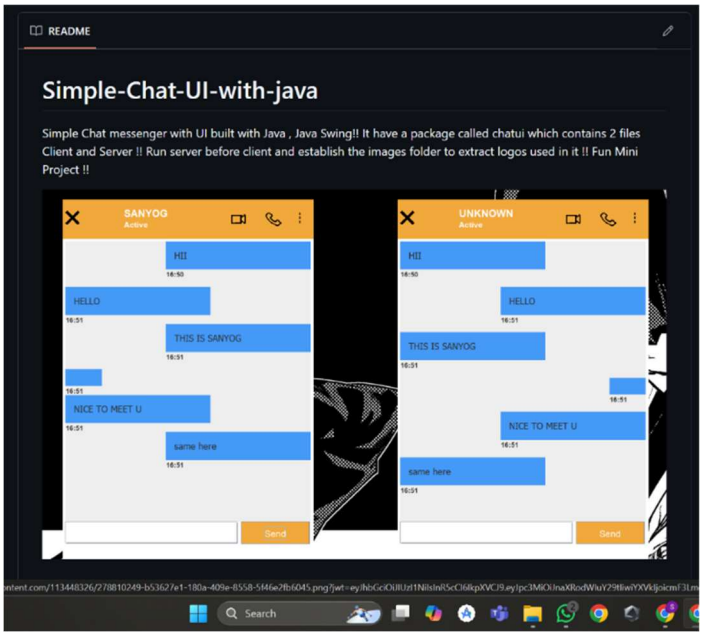
MINI PROJECTS

Simple-Chat-UI-with-java : https://github.com/SanD204/Simple-Chat-UI-with-java

```
            vertical.add(Box.createVerticalStrut(height:15));
            a1.add(vertical, BorderLayout.PAGE_START);
            f.validate();
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
}
Client() {
    f.setLayout(manager:null);
    JPanel p1 = new JPanel();
    p1.setBackground(new Color(r:255, g:165, b:0));
    p1.setBounds(x:0, y:0, width:450, height:70);
    p1.setLayout(mgr:null);
    f.add(p1);
    ImageIcon i1 = new ImageIcon(ClassLoader.getSystemResource(name:"images/3.png"));
    Image i2 = i1.getImage().getScaledInstance(width:25, height:25, Image.SCALE_DEFAULT);
    ImageIcon i3 = new ImageIcon(i2);
    JLabel back = new JLabel(i3);
    back.setBounds(x:5, y:20, width:25, height:25);
    p1.add(back);
    back.addMouseListener(new MouseAdapter() {
        public void mouseClicked(MouseEvent ae) {
            System.exit(status:0);
        }
    });
    ImageIcon i4 = new ImageIcon(ClassLoader.getSystemResource(name:""));
    Image i5 = i4.getImage().getScaledInstance(width:50, height:50, Image.SCALE_DEFAULT);
    ImageIcon i6 = new ImageIcon(i5);
    JLabel profile = new JLabel(i6);
    profile.setBounds(x:40, y:10, width:50, height:50);
    p1.add(profile);
```




```
    profile.setBounds(x:40, y:10, width:50, height:50);
    p1.add(profile);
    ImageIcon i7 = new ImageIcon(ClassLoader.getSystemResource(name:"images/video.png"));
    Image i8 = i7.getImage().getScaledInstance(width:30, height:30, Image.SCALE_DEFAULT);
    ImageIcon i9 = new ImageIcon(i8);
    JLabel video = new JLabel(i9);
    video.setBounds(x:300, y:20, width:30, height:30);
    p1.add(video);
    ImageIcon i10 = new ImageIcon(ClassLoader.getSystemResource(name:"images/phone.png"));
    Image i11 = i10.getImage().getScaledInstance(width:35, height:30, Image.SCALE_DEFAULT);
    ImageIcon i12 = new ImageIcon(i11);
    JLabel phone = new JLabel(i12);
    phone.setBounds(x:360, y:20, width:35, height:30);
    p1.add(phone);
    ImageIcon i13 = new ImageIcon(ClassLoader.getSystemResource(name:"images/3icon.png"));
    Image i14 = i13.getImage().getScaledInstance(width:10, height:25, Image.SCALE_DEFAULT);
    ImageIcon i15 = new ImageIcon(i14);
    JLabel morevert = new JLabel(i15);
    morevert.setBounds(x:420, y:20, width:10, height:25);
    p1.add(morevert);
    JLabel name = new JLabel(text:"UNKNOWN");
    name.setBounds(x:110, y:15, width:100, height:18);
    name.setForeground(Color.WHITE);
    name.setFont(new Font(name:"SAN_SERIF", Font.BOLD, size:18));
    p1.add(name);
    JLabel status = new JLabel(text:"Active");
    status.setBounds(x:110, y:35, width:100, height:18);
    status.setForeground(Color.WHITE);
    status.setFont(new Font(name:"SAN_SERIF", Font.BOLD, size:14));
    p1.add(status);
    a1 = new JPanel();
    a1.setBounds(x:5, y:75, width:440, height:500);
    f.add(a1);
    text = new JTextField();
    text.setBounds(x:5, y:575, width:310, height:40);
    text.setFont(new Font(name:"SAN_SERIF", Font.PLAIN, size:16));
    f.add(text);
    JButton send = new JButton(text:"Send");
    send.setBounds(x:320, y:575, width:123, height:40);
    send.setBackground(new Color(r:255, g:165, b:0));
    send.setForeground(Color.WHITE);
    send.addActionListener(this);
    send.setFont(new Font(name:"SAN_SERIF", Font.PLAIN, size:16));
    f.add(send);
    f.setSize(width:450, height:700);
    f.setLocation(x:800, y:50);
    f.setUndecorated(undecorated:true);
    f.getContentPane().setBackground(Color.WHITE);
    f.setVisible(b:true);
}
}
```

SECURE CHAT ROOM SERVER

MINOR PROJECT REPORT

By

Sanyog Dani [Reg No.: RA2211031010087]
Arush Sirotiya [Reg No.: RA2211031010092]

Under the guidance of

Dr. M. Manickam

In partial fulfilment for the Course

of

21CSC203P – ADVANCED PROGRAMMING PRACTICE

in Department of Networking and Communications

SRM
INSTITUTE OF SCIENCE & TECHNOLOGY

FACULTY OF ENGINEERING AND TECHNOLOGY

SCHOOL OF COMPUTING

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

KATTANKULATHUR

NOVEMBER 2023

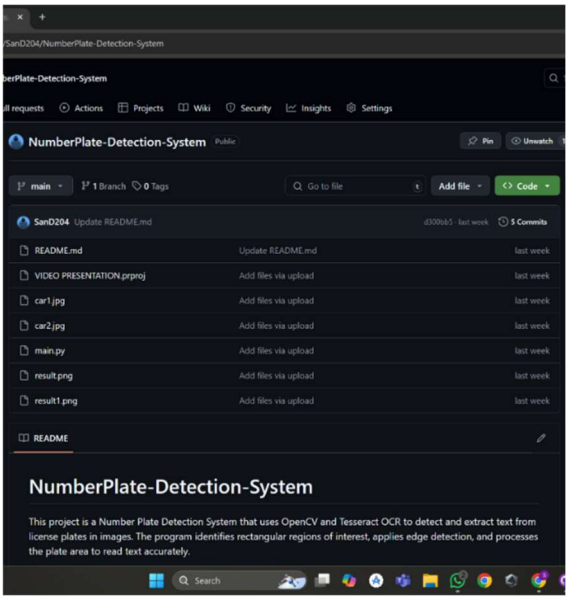
SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

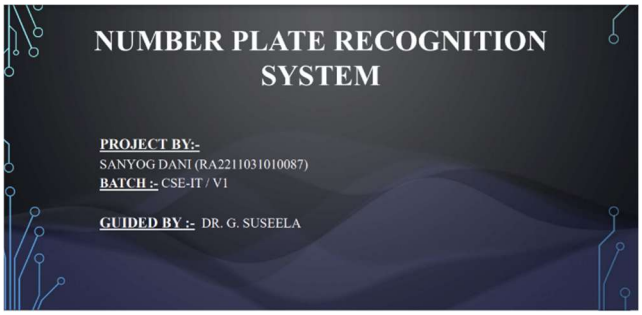
(Under Section 3 of UGC Act, 1956)

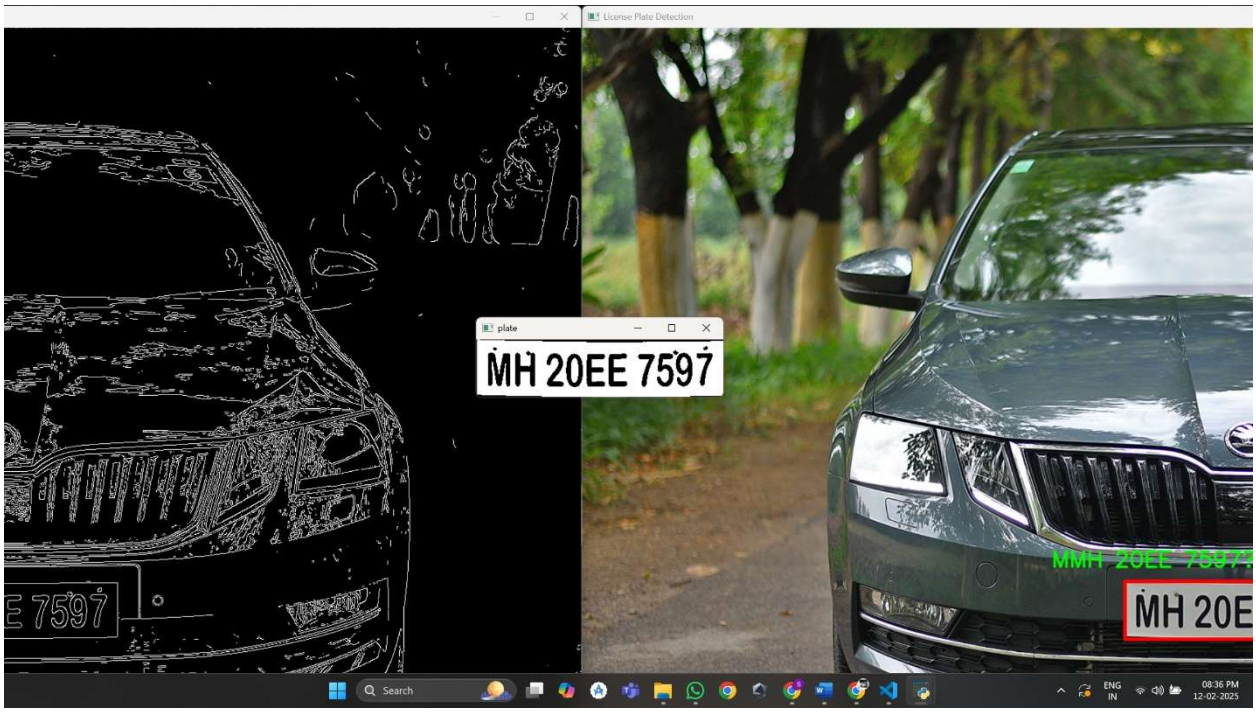
BONAFIDE CERTIFICATE

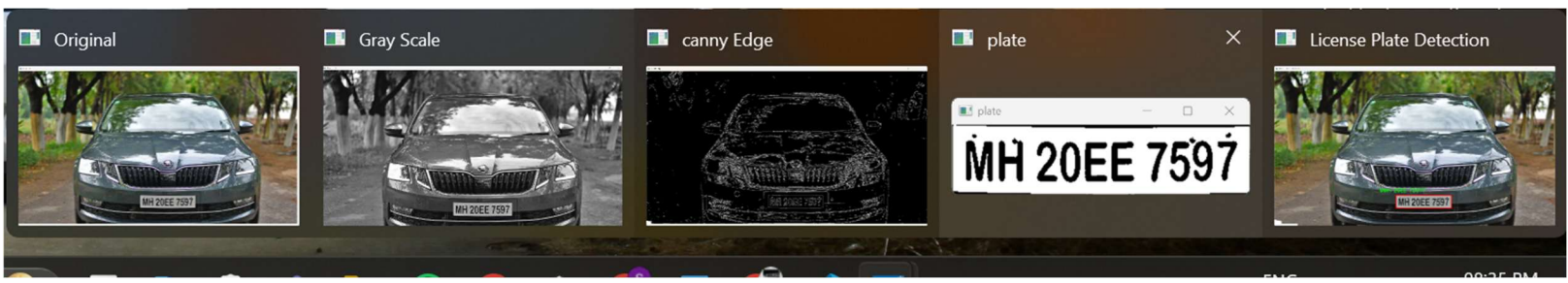
Certified that this minor project report for the course **21CSC203P ADVANCED PROGRAMMING PRACTICE** entitled in **"Secure Chat Room server"** is the bonafide work of **Sanyog Dani (RA2211031010087)** and **Arush Sirotiya (RA2211031010092)** who carried out the work under my supervision.

NumberPlate-Detection-System : https://github.com/SanD204/NumberPlate-Detection-System









Price-Comparison-Website-using-web-scraping :
https://github.com/SanD204/Price-Comparison-Website-using-web-scraping

PRICE COMPARISON WEBSITE USING WEB SCRAPING ALGORITHM

MINOR PROJECT REPORT

By

Sanyog Dani [Reg No.: RA2211031010087]
Arush Sirotiya [Reg No.: RA2211031010092]

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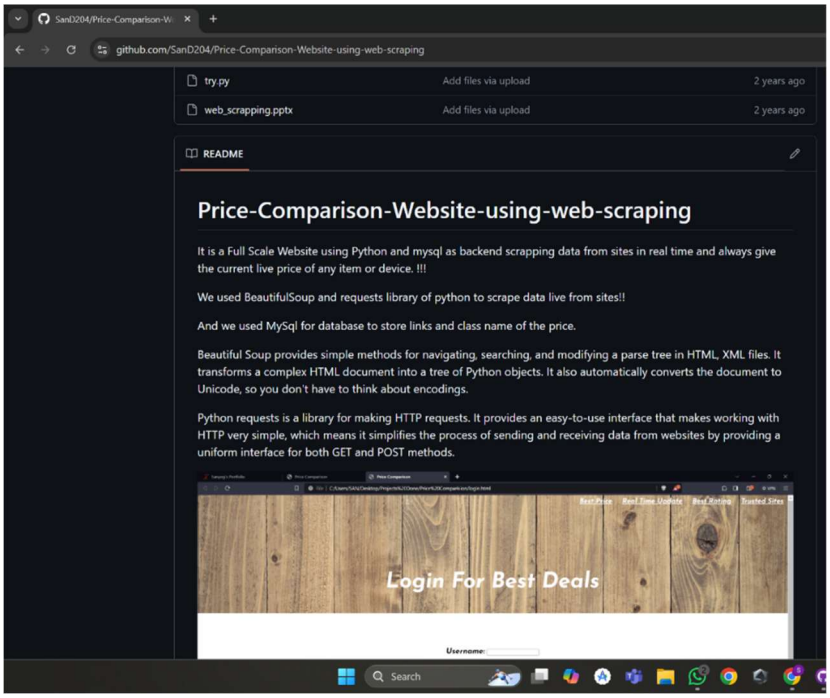

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BONAFIDE CERTIFICATE

Certified that this minor project report for the course **21CSC203P ADVANCED PROGRAMMING PRACTICE** entitled in **"Price Comparison Website Using Web-scraping Algorithm"** is the bonafide work of **Sanyog Dani (RA2211031010087)** and **Arush Sirotiya (RA2211031010092)** who carried out the work under my supervision.

Price Comparison Website Using Web - Scraping Algorithm

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Abstract: Price comparison platforms are specifically designed to assess the cost of commodities and services from a variety of providers, aiding customers in their selection of products that offer the most savings when shopping online. Given the fast-paced lives of urban residents, a significant portion of consumers favor online purchases as a means to conserve time.
They can conveniently peruse these price comparison websites and determine the best source for the items they require. Optimal deals are prominently showcased. While not all consumers exclusively shop online, it remains an effective method for enhancing consumer price awareness.
Consequently, this benefits consumers who are consistently informed about the prevailing prices of particular items, safeguarding them from potentially misleading claims made by physical stores. In addition, this platform provides a valuable opportunity for grocers and retailers to promote their merchandise. This project seeks to empower consumers with the knowledge and tools needed to make informed purchasing decisions, ultimately improving their financial well-being and shopping experiences.

Keywords: Web Scraping, Price Comparison, Ecommerce, Beautifulsoup,

I. Introduction

In the contemporary digital landscape, it's become a common practice for every internet user to seek out the most advantageous bargains when contemplating a purchase. Among the paramount determinants that sway the decision to acquire a product is its price or cost. Prospective buyers habitually engage in a comprehensive price evaluation prior to making a purchase. Nevertheless, the process of scouring multiple price comparison websites for a specific item can be quite laborious. Hence, a compelling solution to streamline and automate this entire procedure is imperative.

Enter the necessity for an automated system that expedites this intricate task, saving users valuable time and effort in their pursuit of the best deals. This innovative solution is poised to revolutionize the online shopping experience, enabling consumers to effortlessly access and compare prices across a multitude of platforms, rendering their purchasing decisions more informed and economically advantageous. By harnessing the power of automation and cutting-edge technology, this project aims to redefine the way consumers engage with ecommerce and empower them to make savvy financial choices with ease and efficiency.

a) Objective: This platform serves as a valuable tool for comparing prices across diverse Ecommerce websites. It caters specifically to the needs of frequent online shoppers, offering the convenience of centralized price comparisons from a multitude of online retailers. This system efficiently aggregates pricing data from various sellers, enabling users to pinpoint the most cost-effective source for their desired products. Once the data from these websites is collected, it is presented on the platform in the form of an easily navigable price comparison.

In the realm of E-commerce, applications consist of several essential components, including a database server, a web application server, and the Payment Gateway Interface (PGI) for facilitating online transactions. The pervasive influence of the internet has fundamentally transformed the way individuals and businesses approach their operations and decision-making processes. This project embodies the fusion of technology and consumer empowerment in the ever-evolving world of online shopping.

b) Problem Statement: An individual is seeking to purchase a Titan watch, but he's encountering varying price listings on different websites. Additionally, he's frustrated by intrusive ads and the risk of stumbling upon fraudulent websites, resulting in a significant waste of 15 to 30 minutes.

Develop an open-source software tool that helps users avoid intrusive ads, identify counterfeit and fraudulent websites, and obtain up-to-date, accurate prices for authentic and high-quality products from online retailers.

c) challenges: Price comparison website developers encounter several challenges while creating and maintaining their platforms: