



# **Client & Server Architecture project**

## **Notes Sharing System**

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## 1 Introduction

### 1.1 Problem Definition

While studying in the university, students find it too difficult to manage their notes of each and every subject. They can't manage to get all the topics related to the respective subject date wise and for a particular syllabus. Sometimes they just get xerox from the shop nearer to their respective institute with a little bit more price and it will be a compromise to those students who share their notes and some others just sell it to stationary shops.

### 1.2 Project overview

Online notes sharing system project is useful to the students to share their work towards their subject and to get benefit from this by uploading their work online and also to those who are finding the notes for their subject so overall it is beneficial to all the students as per their requirements in one place.

Users of an online file sharing website who use features like upload, download, share, search etc. They can search and get all types of actual material available for their respective subjects.

From our project we are providing hardworking students to get paid for their work without any other interference.

Right now we have not seen this type of project in which students get paid for their work and their notes just get compromised by some other person at the xerox shop and students don't even get a reward for their work.

## 1.3 Hardware Specification

Several hardware platforms support online auctioning and banking transactions. An online auctioning system is effective when the correct software application and hardware configuration is used.

- **HARDWARE**

- Processor : Intel Pentium 4 or above
- RAM : 256 MB or above
- Hard Disk : 160 GB or above
- Benefits Mid-range systems are small, powerful and easy to maintain. Mid-range system hardware is less expensive than high-range equipment, has built-in, preventive maintenance utilities which automatically monitor central processing unit (CPU) usage and other hardware functions. Workstations can be integrated into the system and configured to process regular and Web auctioning made easy

- **Software Specification**

- Operating System: Windows NT or higher
- Web Server: Apache Tomcat 5.0
- Database: MySql 4.0
- Connectivity: MySql Odbc Driver 3.51
- Cell Phone Manager 3.1
- Code standard

## 2 LITERATURE SURVEY

### 2.1 Existing system

In the current scenario no one is providing students for their notes work and their notes are just getting viral by other students in the name of important topics and they are also not taking their work seriously. Right now some students just give the notes to the xerox owner and the owner is getting paid instead of the real owner of those notes.

### 2.2 Proposed System

As a developer of this project we are thinking of implementing a project in collaboration with the students who are making the notes for the examination. We will take their notes(actual) and ask them to upload to our website with a suitable price. Any student who is willing to buy the notes will directly contact to buy them. With this application both the parties will get what they want without any loss of any of the party.

## 3 System Analysis and Design

### 3.1 Tools and Technology

- **Technology Stack**
  - JDBC
  - JSP
  - Tomcat Server
  - HTML/CSS/Bootstrap
  - Javascript
  
- **Tools**
  - Eclipse
  - MySQL
  - VS Code

## 3.2 Requirement Specification

### 3.2.1 Functional Requirements

1) Login : Users can login

Input : Username and Password

Process : System verify details from database

Output : They will get the dashboard

2) SignUp : User can signup into System

Input : Email Id, Password and Name

Process : System validate details and insert into database

Output : They will get the dashboard

3) Add Notes : Students can add their notes

Input : All required details about their notes

Process : Validating actual content

Output : Notes will get added

4) Search Notes : Students can Search notes according to their subjects

Input : Subject Name

Process : Search notes based on subject

Output : Notes of that subject will be displayed

5) Buy Notes : Students can buy notes of their preferences

Input : Users should select notes

Process : Payment of the notes

Output : Students will get access to download the notes

### 3.2.2 Non functional requirement

**1) Portability:** - This application will work on windows, IOS, Android.

**2) Performance:** - The software shall support use of multiple users at a time.

**3) Maintainability:** - The user will be able to reset all options and all stored user variable to default settings.

**4) Reliability:** - All data storage for user variables will be committed to the database at the time of entry.

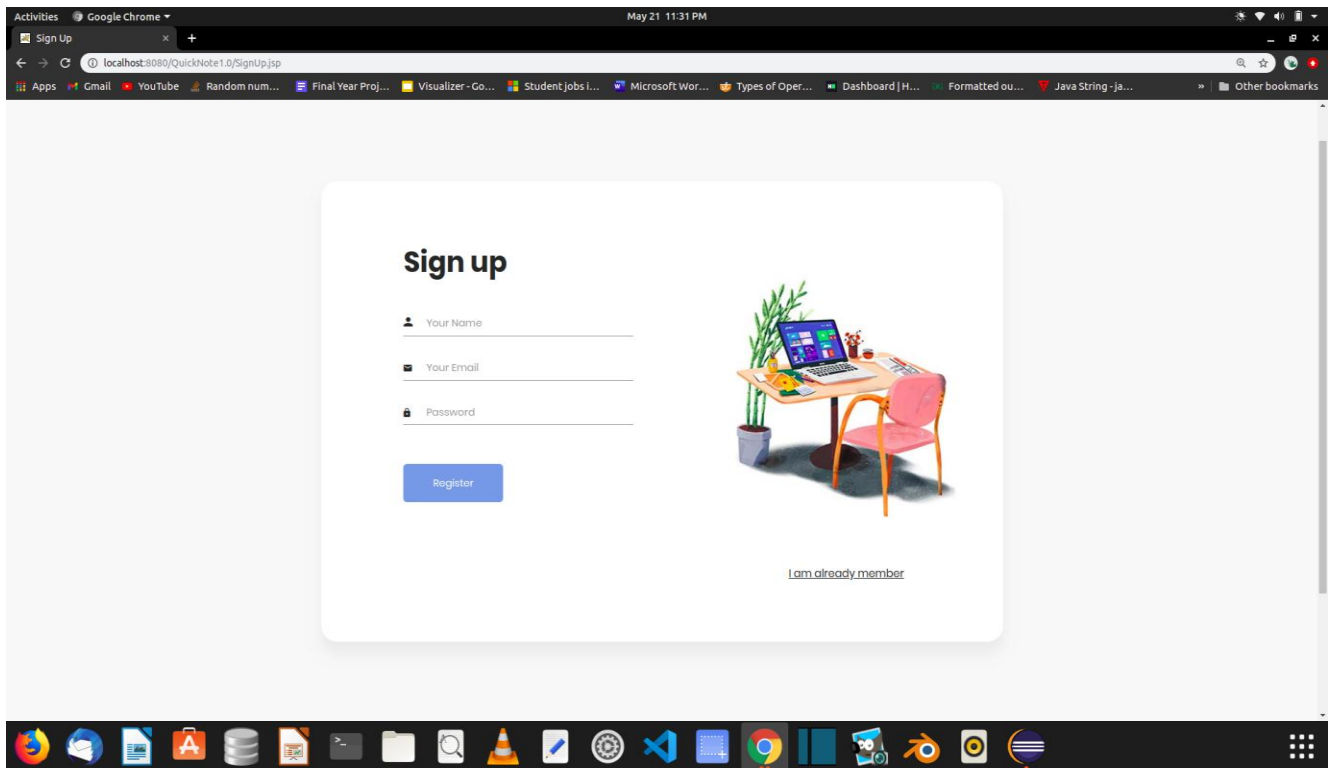
**5) Usability:** - A logical interface is essential to an easy to use system speeding up tasks.

**6) Availability:** - All cached data will be rebuilt during every start-up. There is no recovery of user data.

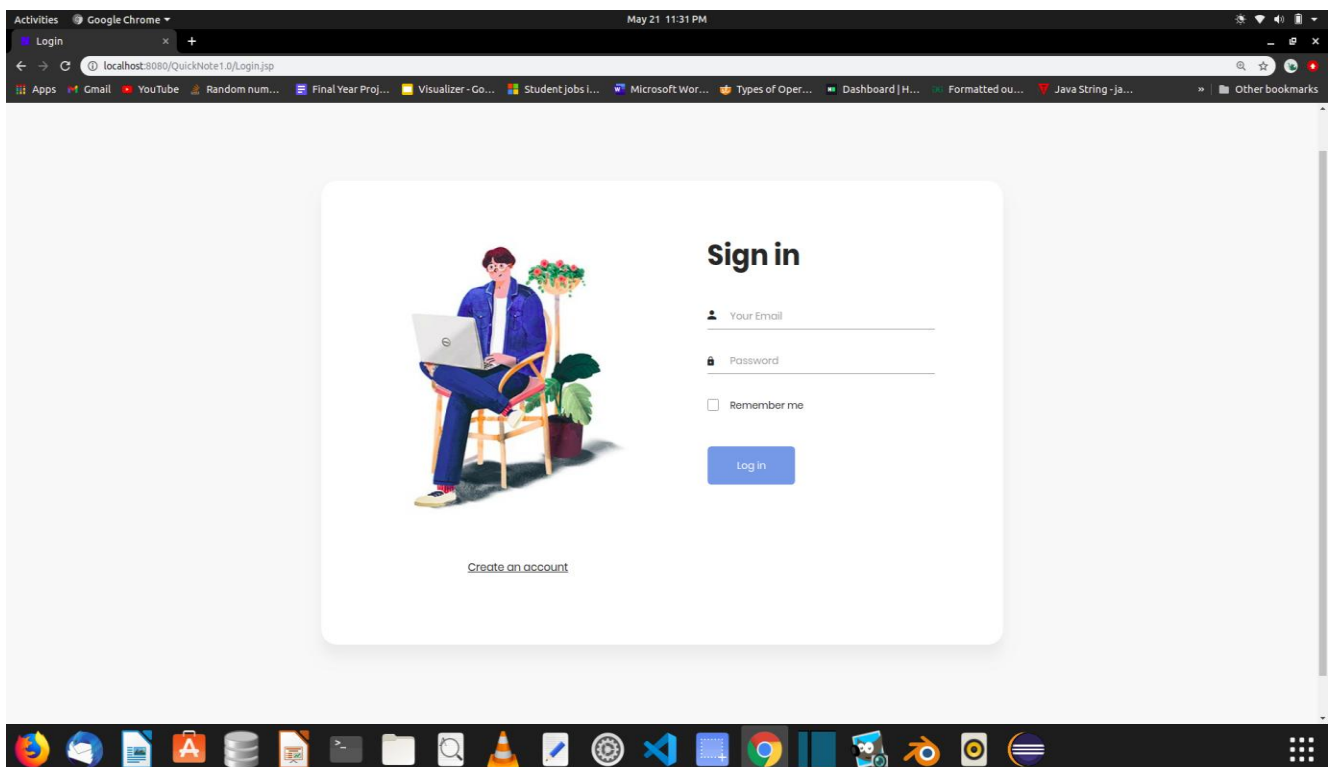


## 4. Screenshots/Result

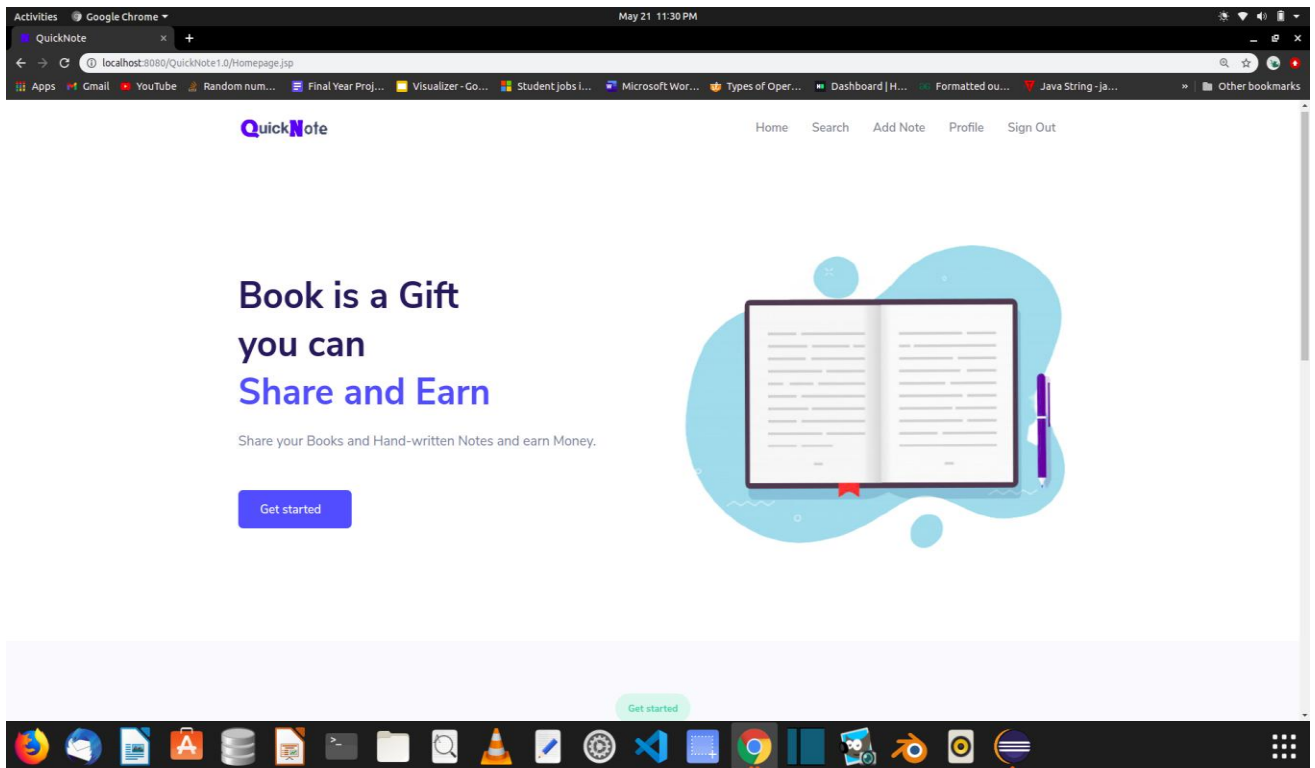
### 1) Signup



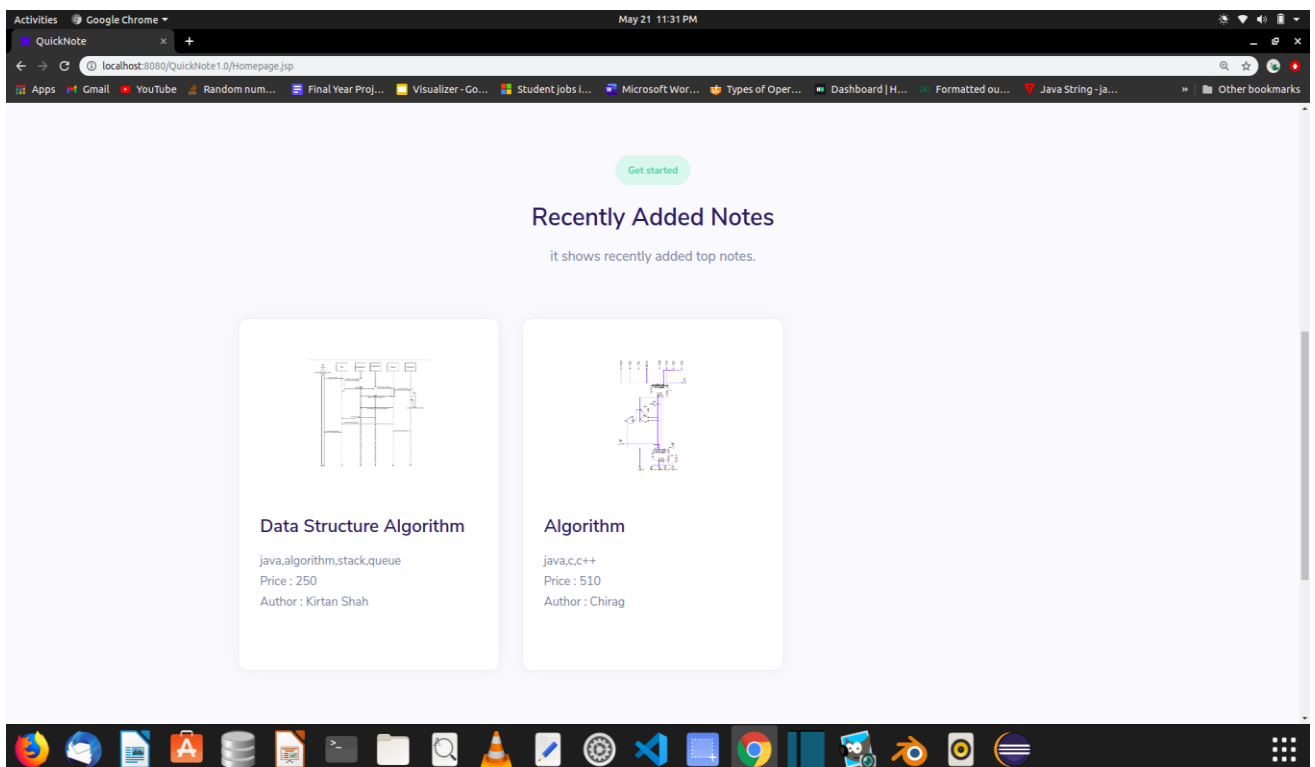
### 2) Signin



### 3) Main page



### 4) Recently added notes



## 5) Add note

The screenshot shows a web browser window with the title 'Add Note' and the URL 'localhost:3080/QuickNote1.0/addnote.jsp'. The page displays a registration form with the following fields:

- Registration** (Section Header)
- Notebook Name**: Text input field.
- Price**: Text input field.
- Author**: Text input field.
- Category**: Text input field.
- Description**: Text area.

Below the form, there are two file selection buttons:

- Select file 1**: Button with text 'No Image is chosen ,yet' below it.
- Select file 2**: Button with text 'No Image is chosen ,yet' below it.

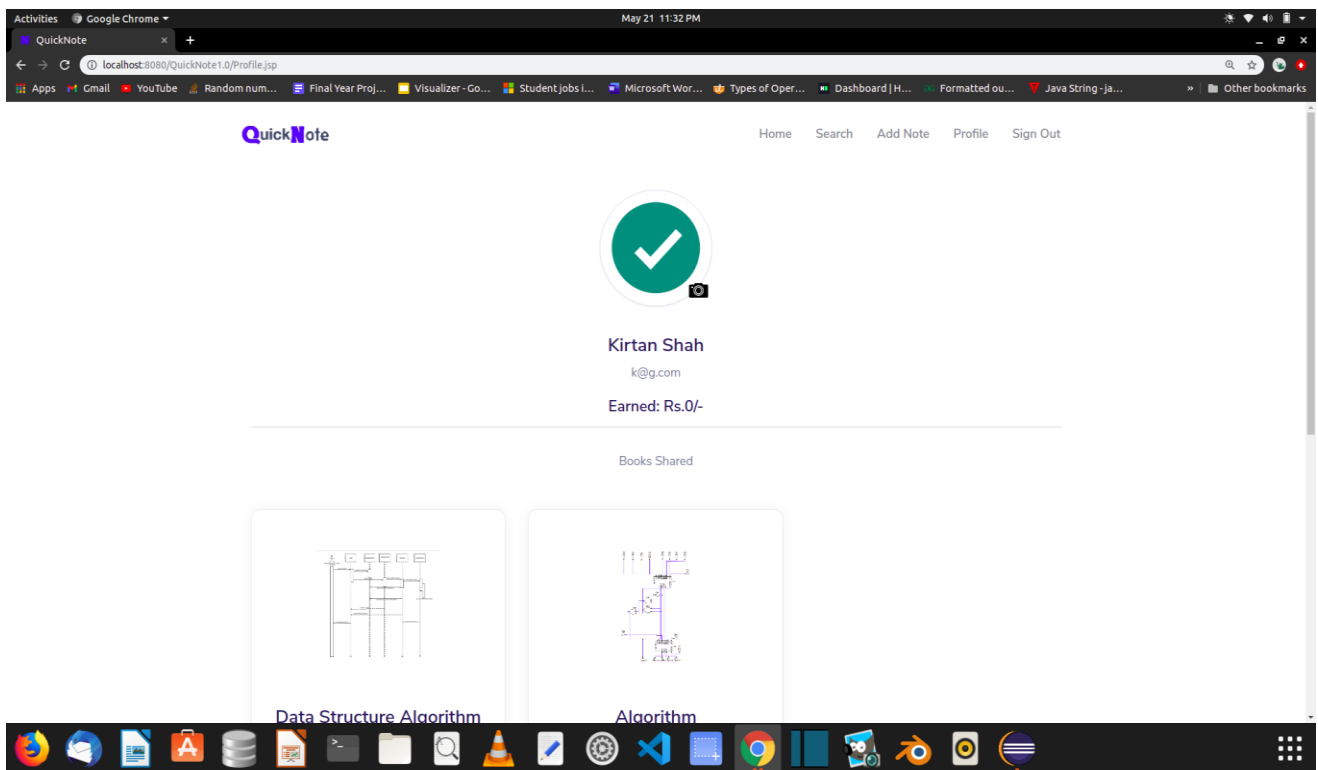
The browser's taskbar at the bottom shows various application icons.

The screenshot shows the same web browser window, but the registration form is now complete. The fields are:

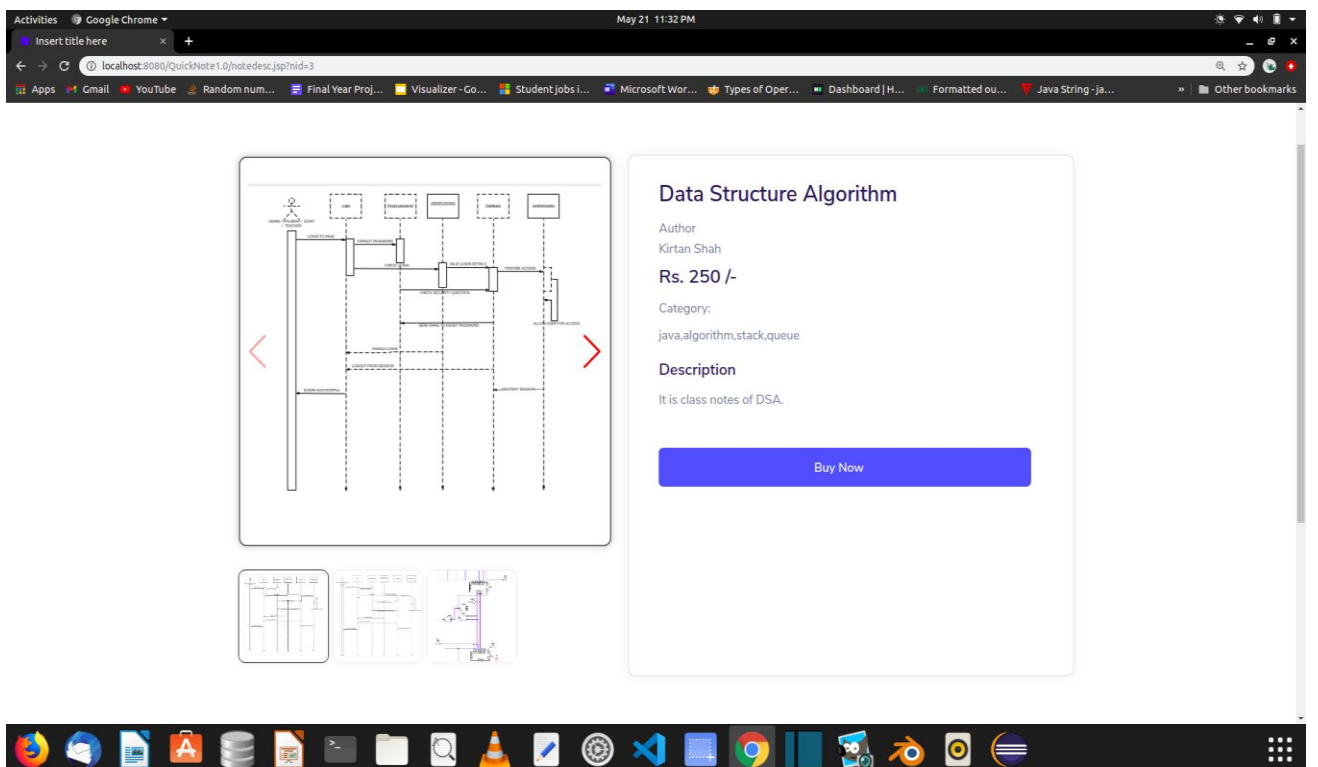
- Select file 1**: Button with text 'No Image is chosen ,yet' below it.
- Select file 2**: Button with text 'No Image is chosen ,yet' below it.
- Select file 3**: Button with text 'No Image is chosen ,yet' below it.
- Select PDF**: Button with text 'No File is chosen ,yet' below it.

At the bottom of the form, there is a prominent purple button labeled **Register**.

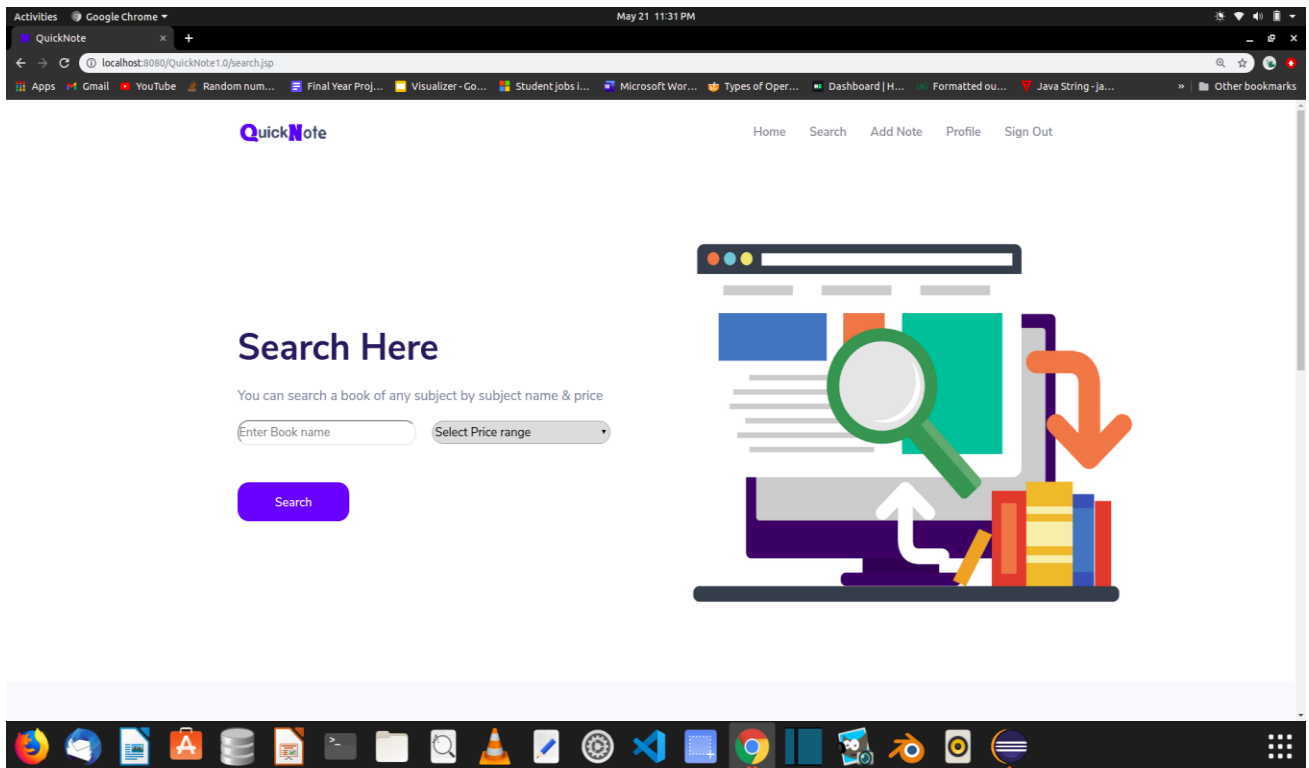
## 6) User Profile Page



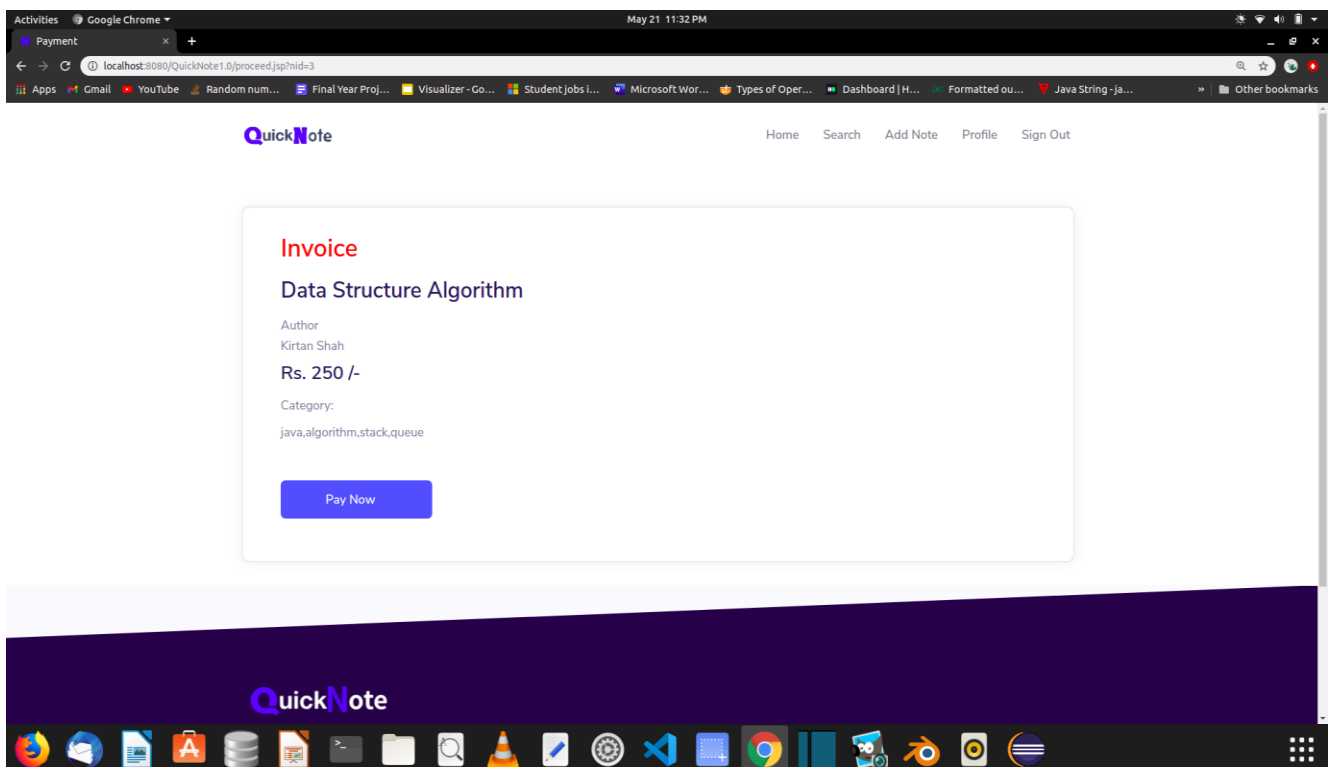
## 7) Note description page



## 8) Search page



## 9) Invoice Page



## Conclusion

- So including the current scenario we can say that our application is very helpful to all the students who wants to get paid for that work of making notes and also will help to those students who are not able to make their notes properly. By this application we can help to all the students for their respective need and also we are eliminating the third person who is making money out of the real students'notes.
- Our application will be very easy to use and maintain. No third parties are included just the students are interacting with each other and making bond with each other and also get benifits in their study.

## References

### Front-end Designs:-

- <https://mdn.dev/>
- <https://www.w3schools.com/>
- <https://getbootstrap.com/>
- <https://codepen.io/>

### ❖ Back-end coding:-

- <https://howtodoinjava.com/>
- <https://beginnersbook.com/2013/05/servlet-tutorial/>
- <https://stackoverflow.com/>

### ❖ Drawing tools for Diagrams

- <https://www.lucidchart.com/>