MINI PROJECT

(2020-21)

Online Examination System

MID-TERM REPORT

Institute of Engineering & Technology

Team Members

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Contents

Abstract

Online examination system is a web-based examination system where examinations are given online. either through the internet or intranet using computer system. The main goal of this online examination system is to effectively evaluate the student thoroughly through a totally automated system that not only reduce the required time but also obtain fast and accurate results.

The main objective of this web based online examination system is to efficiently evaluate the student thoroughly through a fully automated system that not only saves lot of time but also gives fast and accurate results. For students they give papers according to their convenience from any location by using internet and time and there is no need of using extra thing like paper, pen etc.

Online examination system helps students to offer a quick and easy way to appear for the test. It also provides the results immediately after the examination with 100% accuracy and security. Student can enter to perform exam only with their valid username and password. This examination contains multiple choice questions and appropriate number of options. There are no limitations on number of options and it can be randomized so same set of question will not appear to all student so it prevent manipulation. More than one option can be correct but the user can select only one option. This provides time limit. The user can see their results after completing the exam. This helps the students to write the exam from far distance and which can provide security and simplicity and other beneficial features to the user.

Introduction

This Website defines the requirement for the Online Examinations at any level. The system is mainly used to test the skills of candidate .The examination consists of registration of candidate , selection of topic, certificate preparation , report generation, searching of particular record etc. This system is developed in visual basic and can run in any windows platform. It provides the flexibility and user interface. The file organization system of visual basic is done using relational database management system and we can retrieve data from more than one table at a time. So briefly this is facilitated with good user interface and relational retrieval of data.

Hardware and Software to be used

a. Hardware:

- Processor: Minimum 1 GHz; Recommended 2GHz or more.

- Ethernet connection (LAN) OR a wireless adapter (Wi-Fi)
- Hard Drive: Minimum 32 GB; Recommended 64 GB or more.
- Memory (RAM): Minimum 1 GB; Recommended 4 GB or above
- Sound card /speakers.
- Some classes require a camera and microphone.

***b. Software*:**

- Visual Studio Code
- Apache Netbeans
- PHP Storm

Technology used

* HTML
* CSS
* BOOTSTRAP
* JAVASCRIPT
* PHP
* Java
* SQL

Testing technologies to be used

- Tablet
- Laptop
- Smartphone

Problem Definition

We have study ABC College and find existing system is manual entry and keeping of the details of the student who are registered already. And it is very difficult for each student to come to the exam center specially in this pandemic. It is very difficult to the students from far distance to reach the exam center. This system is required to prepare registration\application form, question paper for the students and required to print a lot of number manually. To calculate how many students registered, and verification of details of these students in a month by hand is very difficult. This requires quite a lot of time and wastage of money as it requires quite lot of manpower to do that. Another factor that takes into account that is the possibility of errors. The limitation of existing system is that it is not all personalized. It cannot be used for personal and quick reference. Even the other staff members can make quick entries if the responsible person is not present.

- Time Consuming for creating question paper
- Time to check right and wrong answers
- Calculation of Marks
- Human error
- Limitation of no of student can give examination at a time
- Require teacher to monitor exam center
- Student needs to come exam center for giving test

The objective of the project

This website contains many modules to conduct the exams in the proper manner that helps us to conduct exams. With the help of this site exams can be conducted anytime, anywhere with ease. One of our objectives is create User Friendly system and reach to responsive design. Make out report generated process fast so that user will not get wait.

The modern computerized system is developed with the aim to overcome the drawbacks of existing manual system. We have study manual examination system of ABC college and identify possible automation. The proposed system has got many advantages. People from different parts of the world can register very easily. The new system is more personalized. It is maze in such a manner that all the new users can understand all the options in it very easily. It is made in a quick and easy referential manner. Access to all important matters are not always locked and can be opened easily at the time of urgency. The advantages of proposed system are that security is maintained in the new system. Securities for all important data are maintained confidentially. As it is easily understandable and user friendly, quick entries can be made in this system

- Provides complete online web based solution, including student registration, giving tests, storing of results.
- Complete web based administration, administrator can manage examination and question bank from web interface.
- No geographical boundary
- Student can give examination from anywhere of the world by 24X7
- 100% accuracy in result calculation
- Randomization of question set

Applications

Some of the application of this project:

1. An online exam provides flexibility and security to the examination process. Once all the questions are uploaded in the system, the system can shuffle and give questions in different orders to different students. This minimizes the chance of cheating.

2. In an online examination system, the exam can be conducted wherever the candidate is. The exam surveillance can be conducted with the help of a web camera and microphone. Such a method of conducting an exam is called Remote Proctoring.

Implementation Details

Part -1: Design and Link webpages for Home, login and signup

In this part we will design and link our website's Home page (Banner), signup and login pages for Student and Admin respectively.

Part-2: Design and link webpages for Student and Admin portal.

In this part we will design webpages for student and admin portals. Such as Dashboard, Exam history, User Profile etc.

Part-3: Building database Portal for Admin.

In this part we will design the backend part of Admin portal.

Part-4: Building database Portal for Student.

In this part we will design backend part for Student Portal.

Progress

Part-1: Completed

Pages Designed and Linked

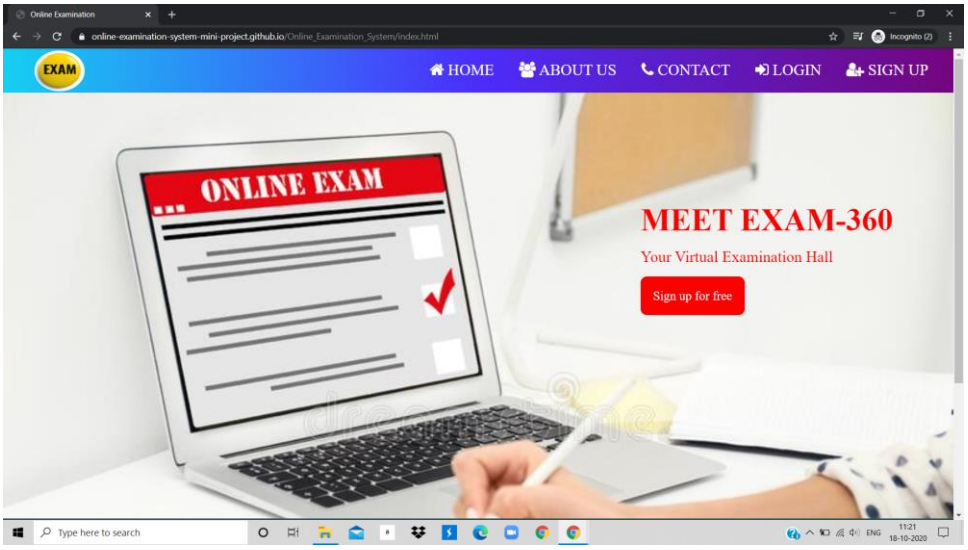
- Home Page
- About us Page
- Login (Student)
- Login (Admin)
- Signup (Student)
- Signup (Admin)

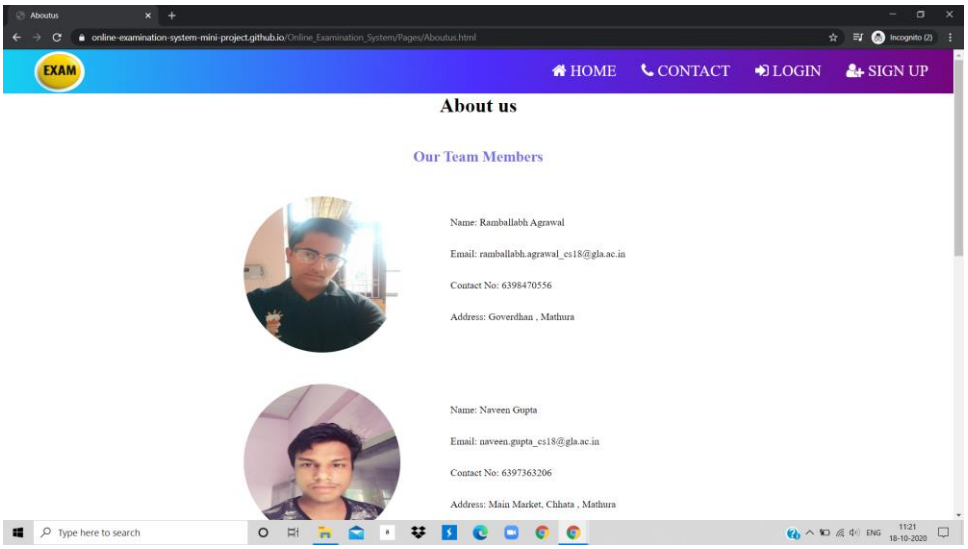
Part-2: Completed

Pages Designed and Linked

- Student Dashboard
- Teacher Dashboard
- Exam history Page (Student)
- Feedback Page (Student)
- Feedback Page (Teacher)
- Leaderboard

Screenshots




Aboutus
online-examination-system-mini-project.github.io/Online_Examination_System/Pages/Aboutus.html
Incognito (2)
EXAM
HOME
CONTACT
LOGIN
SIGN UP
About us
Our Team Members
Name: Ramballabh Agrawal
Email: ramballabh.agrawal_cs18@gla.ac.in
Contact No: 6398470556
Address: Goverdhan , Mathura
Name: Naveen Gupta
Email: naveen.gupta_cs18@gla.ac.in
Contact No: 6397363206
Address: Main Market, Chhata , Mathura
Type here to search
ENG
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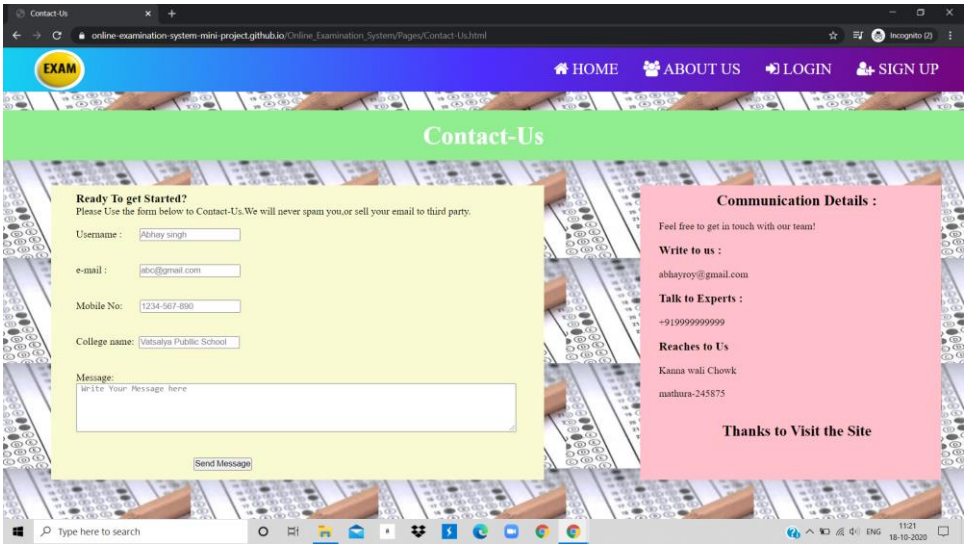
18-10-2020


Contact-Us
online-examination-system-mini-project.github.io/Online_Examination_System/Pages/Contact-Us.html
Incognito (2)
EXAM
HOME
ABOUT US
LOGIN
SIGN UP
Contact-Us
Ready To get Started?
Please Use the form below to Contact-Us.We will never spam you,or sell your email to third party.
Username :
Abhay singh
e-mail :
abc@gmail.com
Mobile No:
1234-567-890
College name:
Vatsalya Public School
Message:
Write Your Message here
Send Message
Communication Details :
Feel free to get in touch with our team!
Write to us :
abhayroy@gmail.com
Talk to Experts :
+919999999999
Reaches to Us
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mathura-245875
Thanks to Visit the Site
Type here to search
ENG
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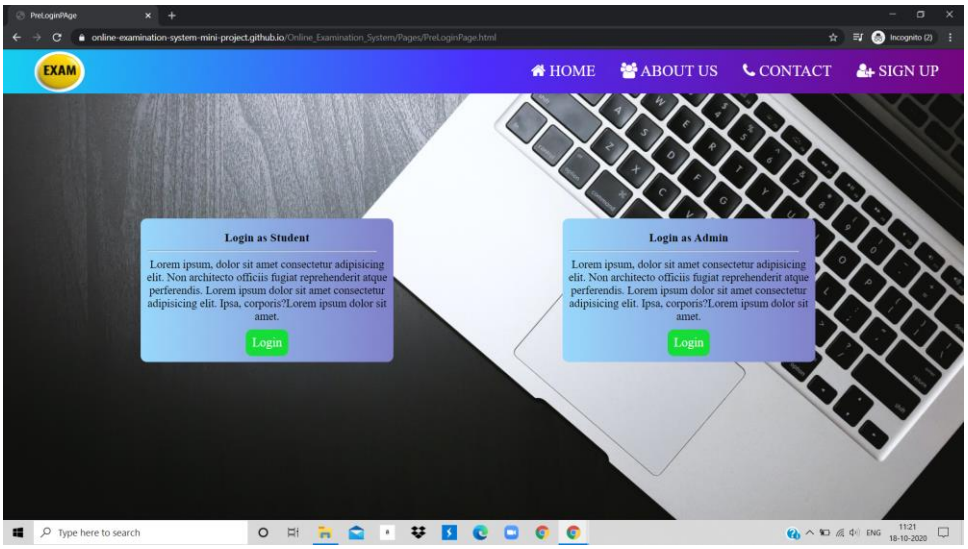
18-10-2020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Incognito (2)
EXAM
HOME
ABOUT US
CONTACT
SIGN UP
Login as Student
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Login
Login as Admin
Lorem ipsum, dolor sit amet consectetur adipisicing elit. Non architecto officiis fugiat reprehenderit atque perferendis. Lorem ipsum dolor sit amet consectetur adipisicing elit. Ipsa, corporis?Lorem ipsum dolor sit amet.
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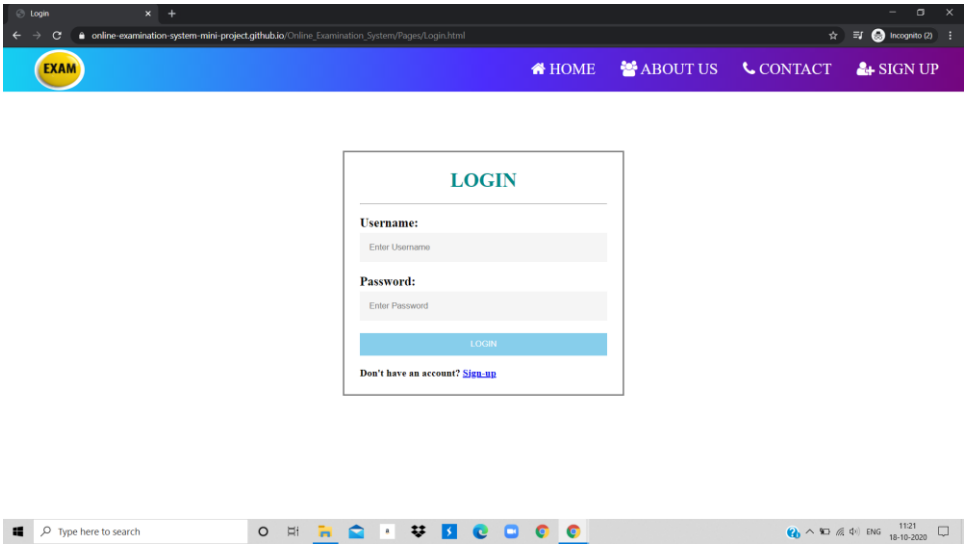
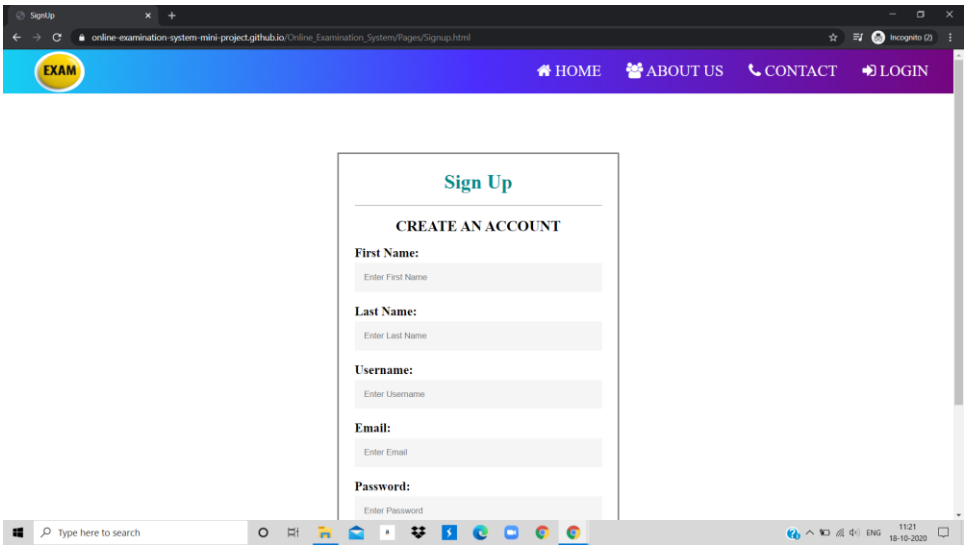

Login
online-examination-system-mini-project.github.io/Online_Examination_System/Pages/Login.html
Incognito (2)
EXAM
HOME
ABOUT US
CONTACT
SIGN UP
LOGIN
Username:
Enter Username
Password:
Enter Password
LOGIN
Don't have an account? Sign-up
Type here to search
ENG
11:21
18-10-2020


SignUp
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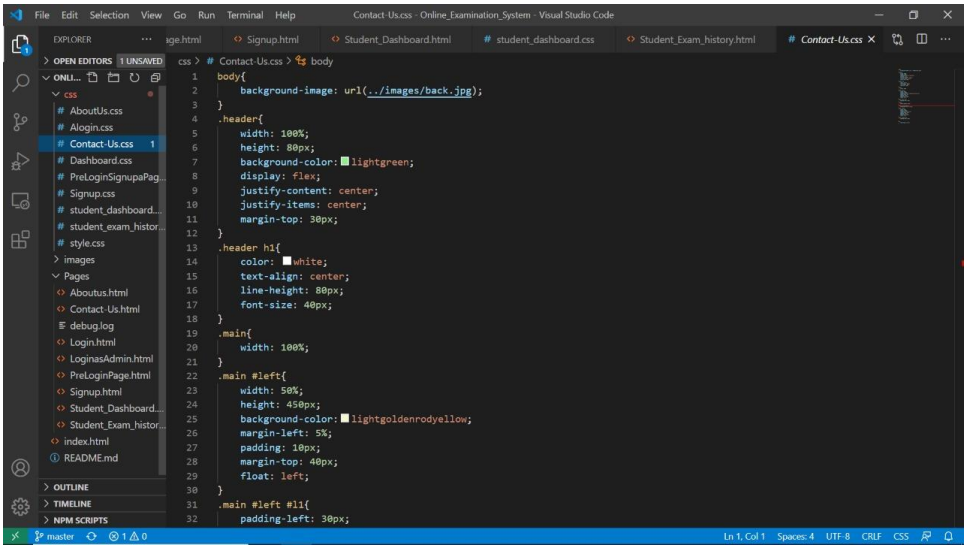
EXAM
HOME
ABOUT US
CONTACT
LOGIN
Sign Up
CREATE AN ACCOUNT
First Name:
Enter First Name
Last Name:
Enter Last Name
Username:
Enter Username
Email:
Enter Email
Password:
Enter Password
Type here to search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Contact-Us.css
Dashboard.css
PreLoginSignupPag...
Signup.css
student_dashboard...
student_exam_histor...
style.css
images
Pages
Aboutus.html
Contact-Us.html
debug.log
Login.html
LoginasAdmin.html
PreLoginPage.html
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Student_Exam_histor...
index.html
README.md
OUTLINE
TIMELINE
NPM SCRIPTS
Signup.html
Student_Dashboard.html
student_dashboard.css
Student_Exam_history.html
Contact-Us.css
css > # Contact-Us.css > body
body{
background-image: url(../images/back.jpg);
}
.header{
width: 100%;
height: 80px;
background-color: lightgreen;
display: flex;
justify-content: center;
justify-items: center;
margin-top: 30px;
}
.header h1{
color: white;
text-align: center;
line-height: 80px;
font-size: 40px;
}
.main{
width: 100%;
}
.main #left{
width: 50%;
height: 450px;
background-color: lightgoldenrodyellow;
margin-left: 5%;
padding: 10px;
margin-top: 40px;
float: left;
}
.main #left #l1{
padding-left: 30px;
master
Ln 1, Col 1
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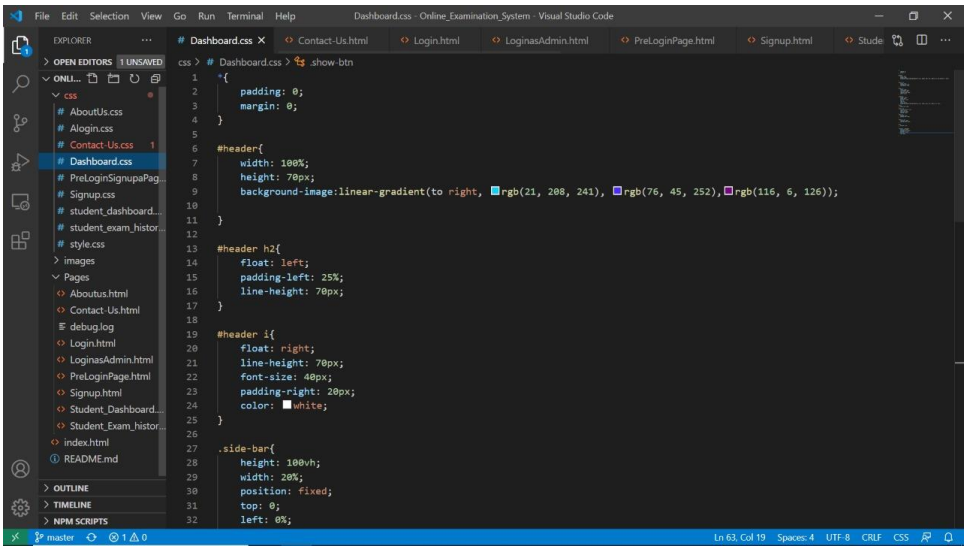
UTF-8
CRLF
CSS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Dashboard.css - Online_Examination_System - Visual Studio Code
EXPLORER
Dashboard.css
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Login.html
LoginasAdmin.html
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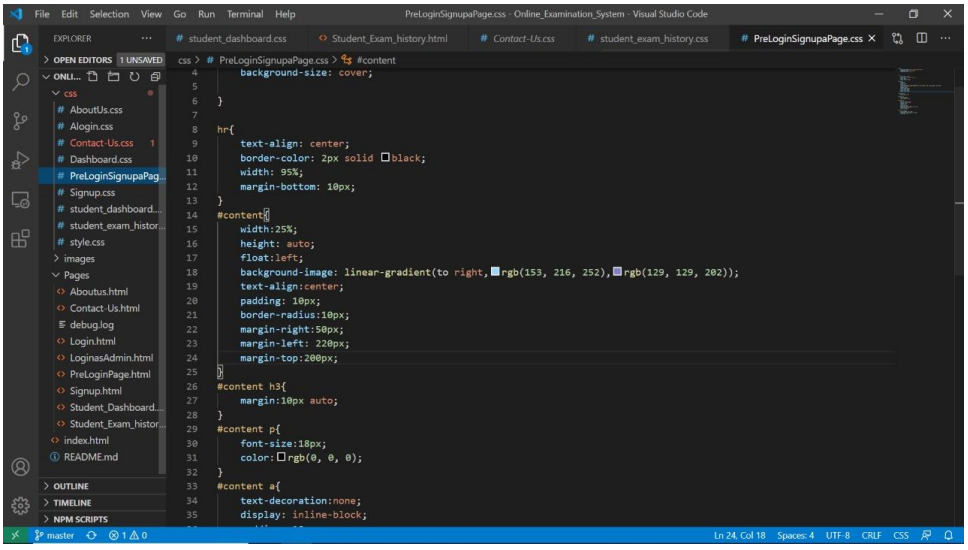
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PreLoginSignupaPage.css - Online_Examination_System - Visual Studio Code
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student_dashboard.css
Student_Exam_history.html
Contact-Us.css
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PreLoginSignupaPage.css
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Alogin.css
Contact-Us.css
Dashboard.css
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Signup.css
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student_exam_histor...
style.css
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Aboutus.html
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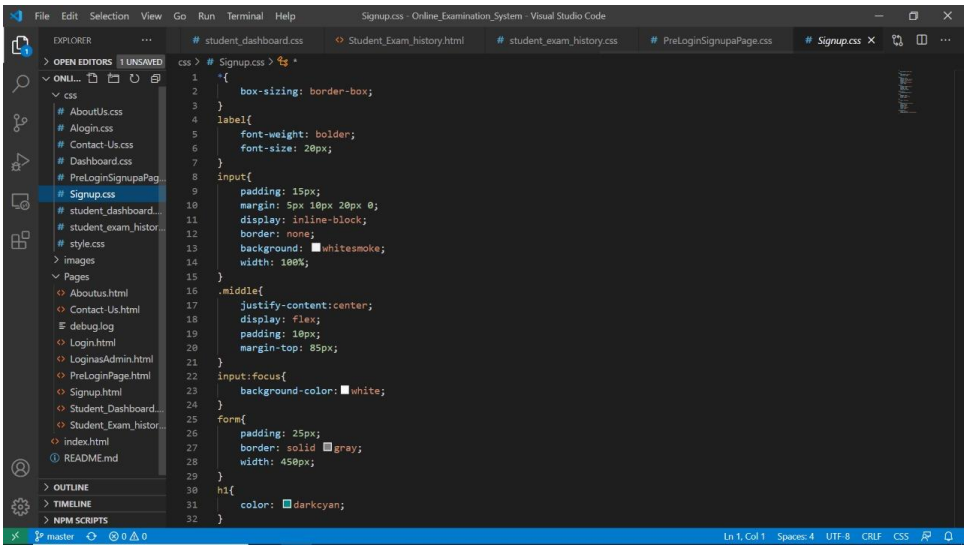
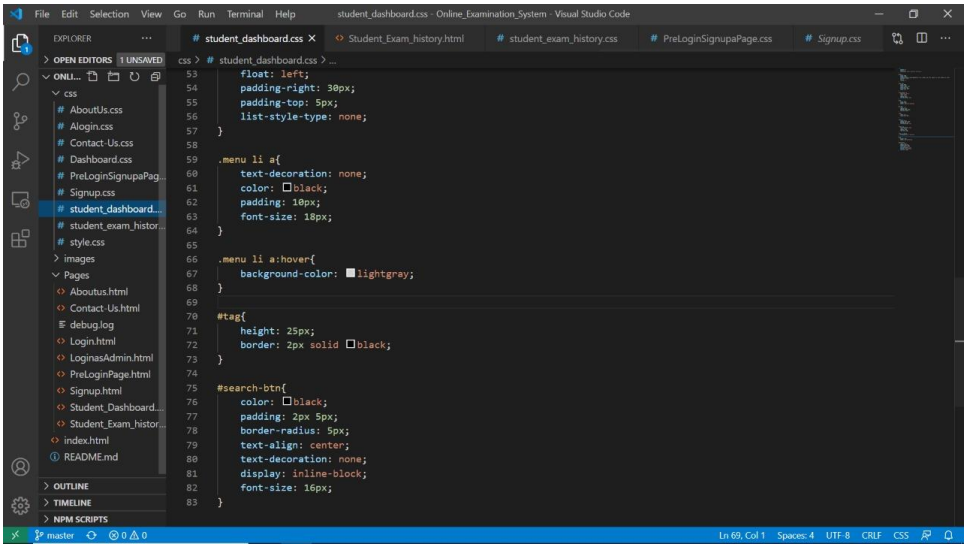



```css
*{
    box-sizing: border-box;
}
label{
    font-weight: bolder;
    font-size: 20px;
}
input{
    padding: 15px;
    margin: 5px 10px 20px 0;
    display: inline-block;
    border: none;
    background: whitesmoke;
    width: 100%;
}
.middle{
    justify-content:center;
    display: flex;
    padding: 10px;
    margin-top: 85px;
}
input:focus{
    background-color: white;
}
form{
    padding: 25px;
    border: solid gray;
    width: 450px;
}
h1{
    color: darkcyan;
}
```



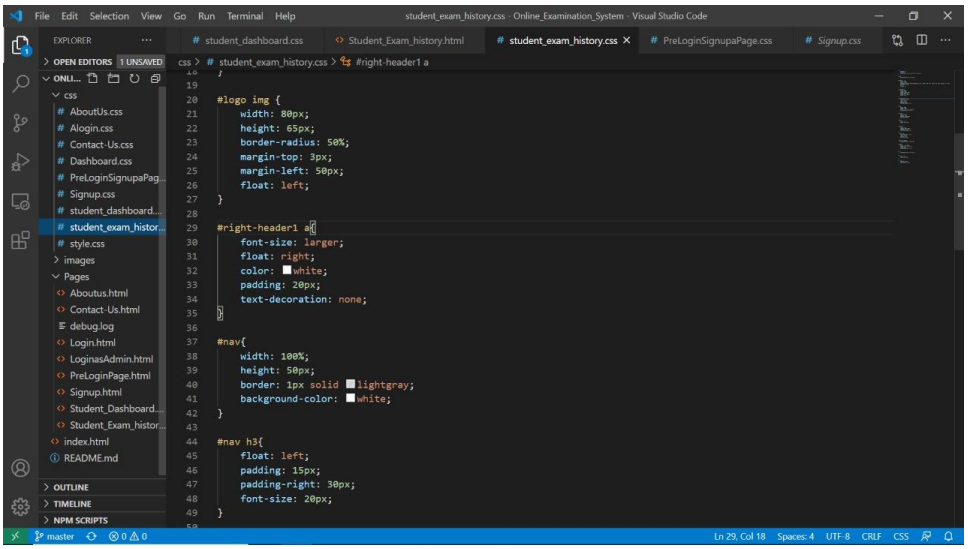

```css
    float: left;
    padding-right: 30px;
    padding-top: 5px;
    list-style-type: none;
}

.menu li a{
    text-decoration: none;
    color: black;
    padding: 10px;
    font-size: 18px;
}

.menu li a:hover{
    background-color: lightgray;
}

#tag{
    height: 25px;
    border: 2px solid black;
}

#search-btn{
    color: black;
    padding: 2px 5px;
    border-radius: 5px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 16px;
}
```



References

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- www.wikipedia.com