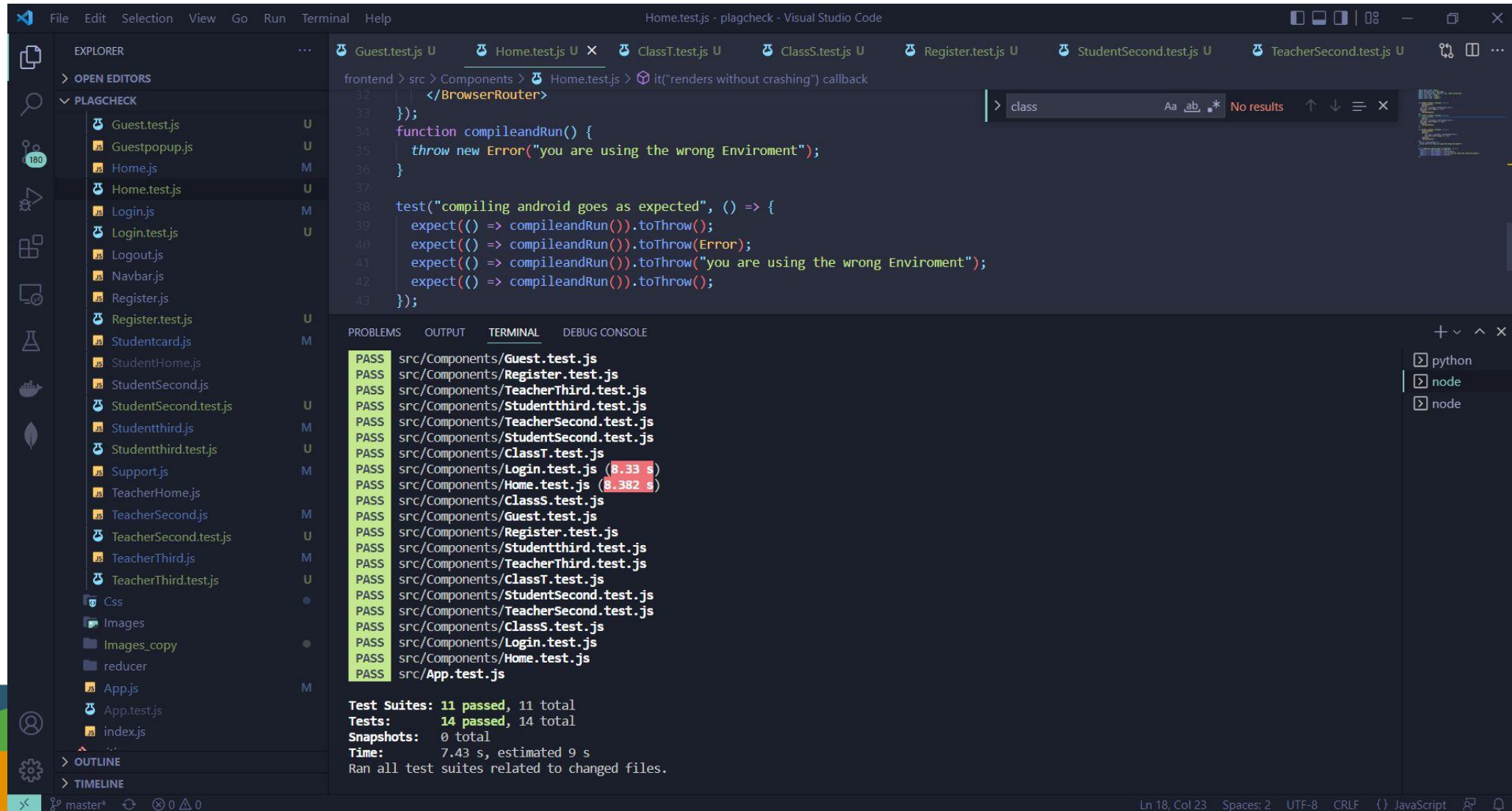# PLAG-CHECK +

SOFTWARE TESTING REPORT

Overview

This project endeavours to -

- Help teachers check and avoid plagiarism among student's assignments..

- Any guest user can check for grammatical errors and plagiarism in their documents

- A virtual classroom environment where teacher can post assignments and students can submit their assignments , teachers can then check for malpractices within submissions made by students.

Testing

Unit testing

-allows us to confirm that our template is getting all the data it needs. We can check that we're using the intended template and what data the template is getting, which goes a long way to verifying that any rendering issues are solely due to the template.

Manual testing

Multiple test accounts were created to test the flow of entire web application

Guest User
- Uploaded files for grammar and plagiarism check
- Viewed the corresponding plagiarism and grammar check reports

Teacher account
- Three classes were created
- Multiple assignments were posted in all classes
- Viewed created classes and assignments
- Viewed submission of all students in multiple assignments
- Viewed plagiarism report of submitted assignments

Manual testing

Student Account

- Joined multiple classes created by teachers
- Viewed assignments posted by teachers in respective classes
- Submitted our final submission file corresponding to the given assignment
- Viewed the final submission made by student
- Scanned for grammatical errors within the submitted assignment

Taking the account through the complete process from signing up to testing every feature ensured that none of the features were breaking in production and that they were all working properly.

We employed various techniques to test input validation, including bug checks.

Integration Testing

To perform manual integration testing, we have individually tested all the modules and made sure that they are working properly in combination with each other.

We prepared a top-down flowchart of all the modules to check the flow of our web application.

System Testing

We performed manual System testing on a complete integrated system to evaluate the compliance of the system with all the requirements.
We tested the design and behavior of the system and also the user experience.
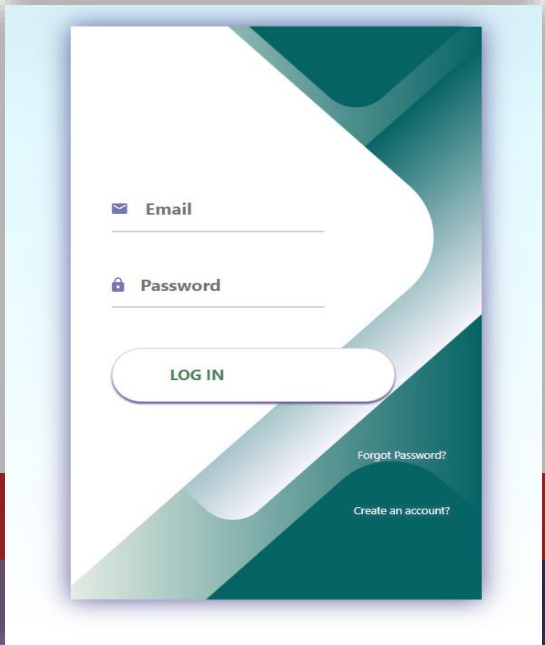
1) USER REGISTRATION

TEST CASES	RESULT
User registration with new email id	Successful user registration
User registration with already registered email id	Invalid Registration
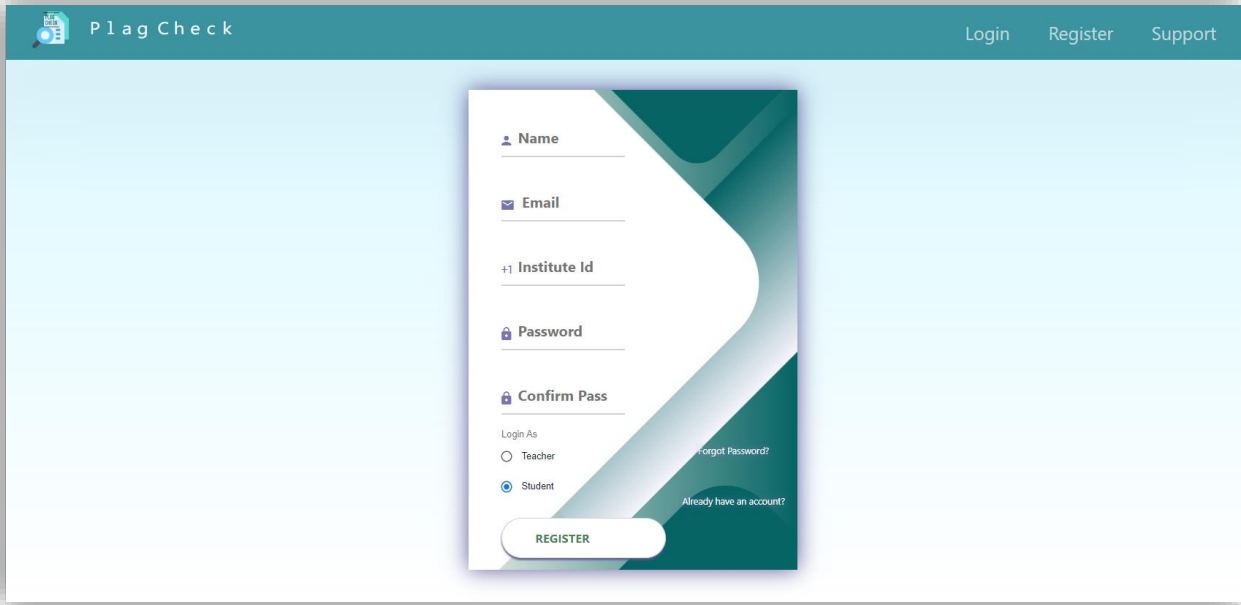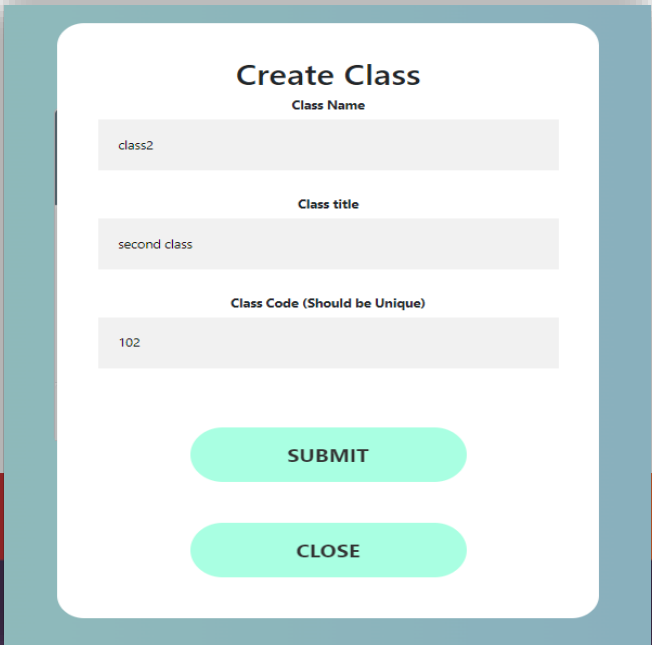
2) LOGIN

TEST CASES	RESULT
Login with correct email and password	Logged in Successfully
Login with wrong email and password	Wrong credentials error
Login with correct email and wrong password	Wrong credentials error

3) CREATE CLASS

TEST CASES	RESULT
Creating class with empty fields	Fill data correctly / Class already exists
Creating class with already existing class code	Fill data correctly / Class already exists
Filling unique class code and other details correctly	class created successfully

4) CREATE ASSIGNMENT

TEST CASES	RESULT
Create assignment with correct required details	Assignment Created Successfully
Create assignment with incomplete details	Please fill the data correctly

5) JOIN CLASS

TEST CASES	RESULT
Joining class with incorrect class code	Class does not exists or already joined!
Joining class with correct class code	Joined class successfully

6) SUBMIT ASSIGNMENT

TEST CASES	RESULT
Submitting assignment after already submitted once	Already exists
Uploading file and submitting correctly	Successful

7) VIEW ASSIGNMENT/ SUBMISSIONS

TEST CASES	RESULT
Viewing assignment when no submissions are made	No response
After successful submission	Submission loads successfully

PlagCheck   MyProfile Support Classes Logout

assignment 2

102

hello world problem ...

Choose File test1.txt

Upload

File Details:

File Name: test1.txt

File Type: text/plain

Last Modified: Tue Apr 19 2022

VIEW SUBMISSION

Scan for gramatical errors

Submission

hello there this is my first assignment .... hello world program ..

ag Check   MyProfile Support Classes

assignment 1

102

describe yourself...

Scan for plagiarism

789   **test1.txt**

Wikis are enabled by wiki software, otherwise known as wiki engines. A wiki engine, being a form of a content management system, differs from other web-based systems such as blog software, in that the content is created without any defined owner or leader, and wikis have little inherent structure, allowing structure to emerge according to the needs of the users.[1] Wiki engines usually

567   **test2.txt**

content is created without any defined owner or leader, and wikis have little inherent structure, allowing structure to emerge according to the needs of the users.[1] Wiki engines usually allow content to be written using a simplified markup language and sometimes edited with the help of a rich-text editor.[2] There are dozens of different wiki engines in use, both standalone and part of other software, such as bug tracking systems. S ome wiki engines are open source, whereas others are proprietary. Some permit control over different functions (levels of access): for example, editing rights may permit changing, adding, or removing

Plag Report

Roll1	Roll2	Similarity_Score
567	789	50.19

8) VIEW PLAGIARISM REPORT/ GRAMATICAL REPORT

TEST CASES	RESULT
After uploading files successfully	Reports loads successfully
When no file is submitted	No response

Plagrism Report ✕

File1	File2	Simlarity_Score
test2.txt	test3.txt	66.43
test1.txt	test2.txt	2.81
test1.txt	test3.txt	0

Grammer Report ✕

input1.txt

No. of mistakes found in document is :1

Offset 99, length 5, Rule ID: WANNA Message: The word 'wanna' is informal. Suggestion: want to ...cript with an extension of .txt, If you wanna use sample textfiles I used for this tu... ^^^^^

Offset 116, length 9, Rule ID: MORFOLOGIK_RULE_EN_US Message: Possible spelling mistake found. Suggestion: textiles; text files ...ension of .txt, If you wanna use sample textfiles I used for this tutorial ^^^^^^^^^

We made sure that none of the features are breaking and the system as a whole is working smoothly in all circumstances .