



IIT Madras
BS Degree

SOFTWARE ENGINEERING PROJECT

SMART SEEK PORTAL

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Sachin Kumar

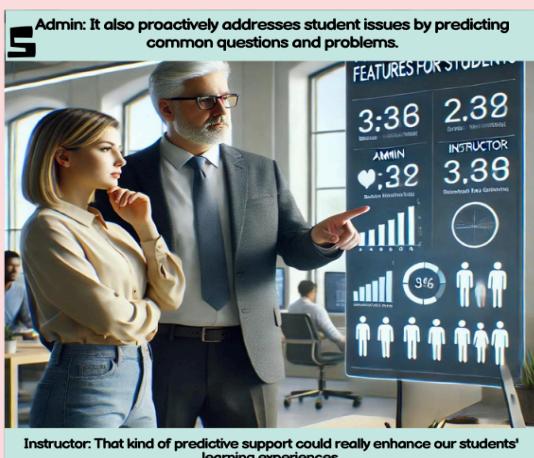
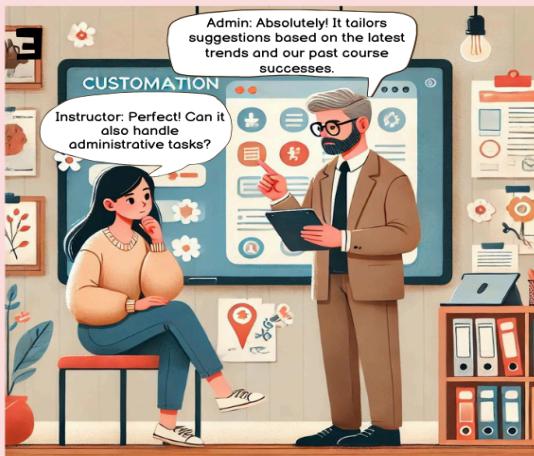
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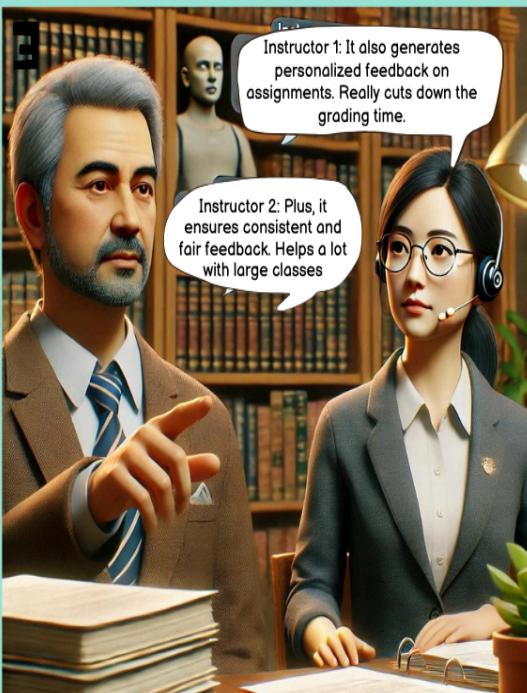
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Storyboards

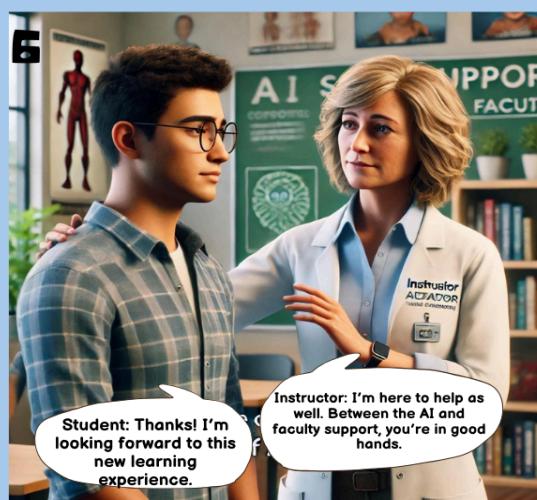
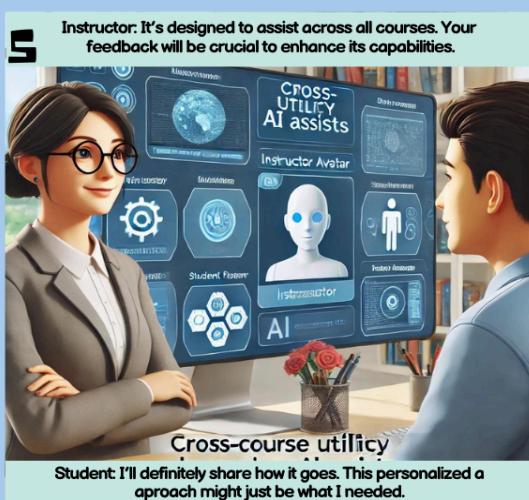
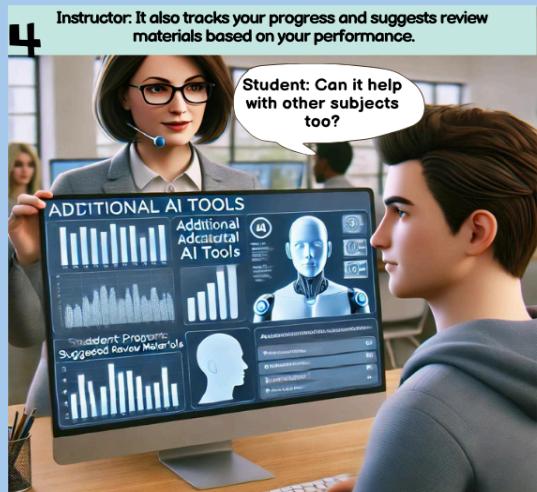
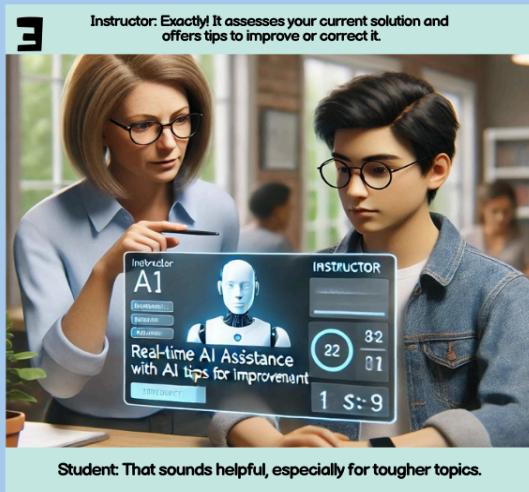
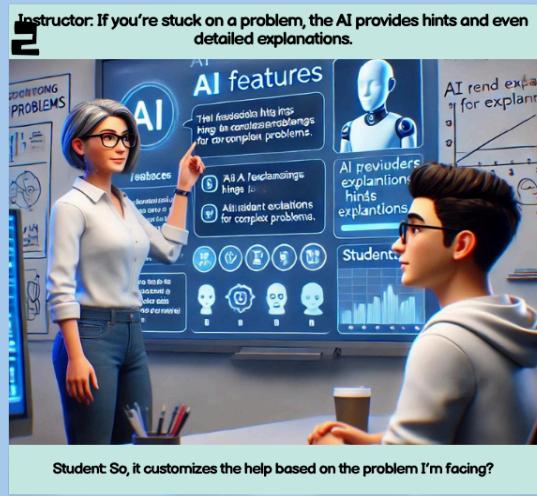
STORY BOARD : ADMIN – INSTRUCTOR



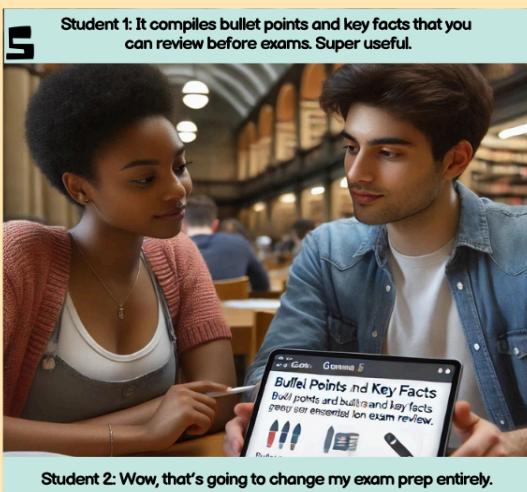
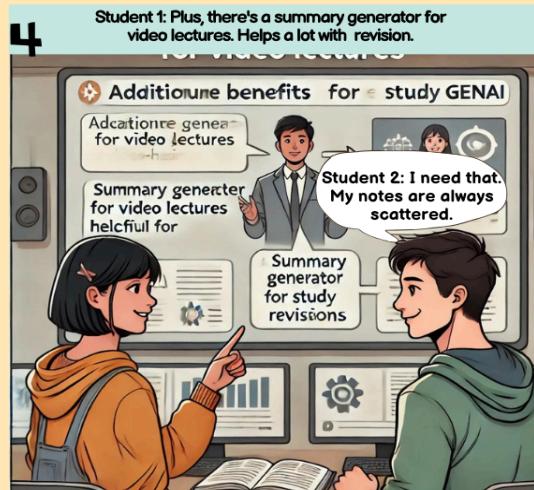
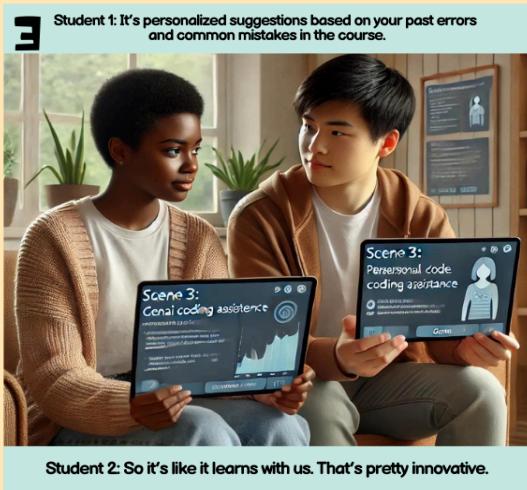
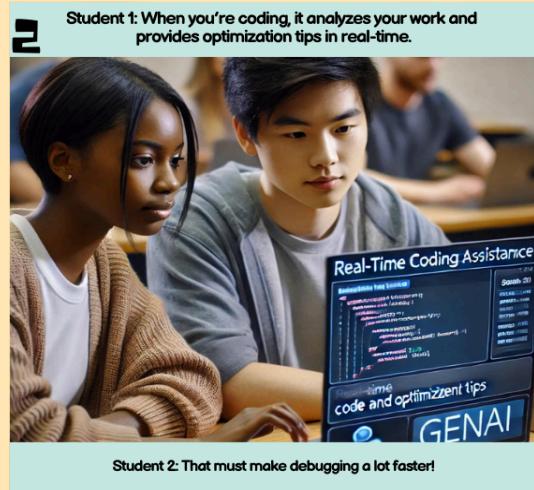
STORY BOARD : INSTRUCTOR - INSTRUCTOR



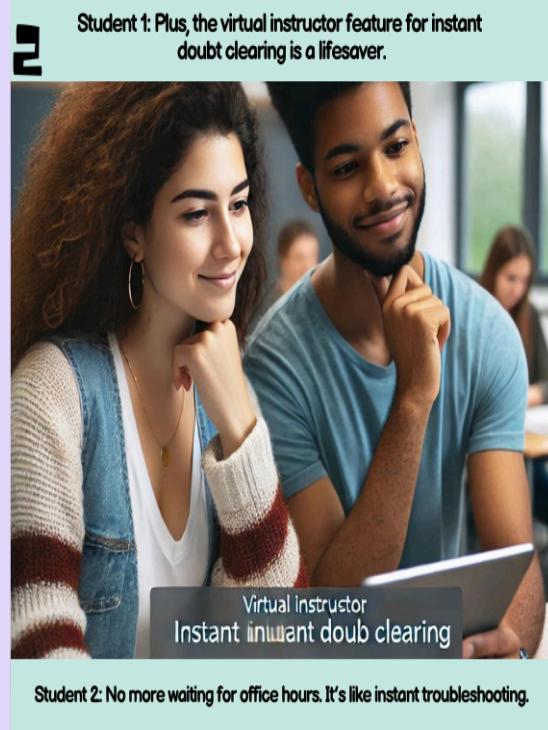
STORY BOARD : INSTRUCTOR - STUDENT



STORY BOARD : STUDENT – STUDENT

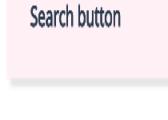


STORY BOARD : STUDENT - STUDENT



Wireframes

Wireframe - Admin

<p> Login Page</p> <p>User authentication section to access the admin dashboard.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Username field</p>  </div> <div style="text-align: center;"> <p>Login button</p>  </div> </div> <div style="margin-top: 20px;"> <p>Password field</p>  </div>	<p> Admin Dashboard</p> <p>Main control panel for administrators.</p> <div style="display: flex; align-items: center;"> <div style="flex: 1; padding-right: 20px;"> <p>Course 1</p> <div style="display: flex; justify-content: space-around; border: 1px solid #ccc; padding: 5px;"> Edit Delete </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> Btn 1 Btn 2 Btn 3 Btn 4 </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> +  </div> </div> </div>	<p> Create New Course</p> <p>Form to add new courses.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Course Code field</p>  </div> <div style="text-align: center;"> <p>Course Description field</p>  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>Course Title field</p>  </div> <div style="text-align: center;"> <p>Create Course button</p>  </div> </div>	<p> Assignment Status</p> <p>Section to view the assignment status of students.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Search field</p>  </div> <div style="text-align: center;"> <p>Search button</p>  </div> </div>						
<p> Student Details</p> <p>Section to view and manage student details.</p> <div style="border: 1px solid black; border-radius: 10px; padding: 10px; display: inline-block;"> <p>Student 1 Edit Delete</p> <p>Course 1 Revoke</p> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>Search field</p>  </div> <div style="text-align: center;"> <p>Add New Student button</p>  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>Search field</p>  </div> </div>	<p> Add New Student</p> <p>Form to add new student details.</p> <div style="display: grid; grid-template-columns: 1fr 1fr; gap: 10px;"> <div style="background-color: #e0f2e0; padding: 5px;">Roll Number field</div> <div style="background-color: #fff9c4; padding: 5px;">Level field</div> <div style="background-color: #e0f2e0; padding: 5px;">Name field</div> <div style="background-color: #fff9c4; padding: 5px;">Add Student button</div> <div style="background-color: #fff9c4; padding: 5px;">Father's Name field</div> </div>	<p> Course</p> <p>Section to view and manage course assigned.</p> <div style="background-color: #ffccbc; padding: 10px; border-radius: 10px;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Course 1</td> <td style="width: 10%;">Student 1</td> <td style="width: 10%; text-align: center;"></td> </tr> <tr> <td>Student 2</td> <td></td> <td style="text-align: center;"></td> </tr> </table> </div>	Course 1	Student 1		Student 2			<p> Add Payments</p> <p>Form to add payment details.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Payment Title field</p>  </div> <div style="text-align: center;"> <p>Paid Date field</p>  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>Payment Details field</p>  </div> <div style="text-align: center;"> <p>Add Payment button</p>  </div> </div>
Course 1	Student 1								
Student 2									

Daily Login Count

Wireframe - Student Dashboard

EMAIL ADDRESS

PASSWORD

REGISTER

Already have an account? [Login](#)

EMAIL ADDRESS

PASSWORD

LOGIN

Don't have an account? [Register](#)

MY COURSE PORTAL

Programming in Java

Assignment 1 – 85.00
Assignment 2 – 90.00
Assignment 3 – 75.00
Assignment 4 – 98.00

My Virtual Instructor

21f400832@ds.study.iitm.ac.in

My Virtual Instructor

Hey there Student !! Having doubts ? Don't worry , I am here to help you out !

Enter your doubt here and get it clarified instantly !

Submit

Programming Assignments

Your Response Solution code Feedback

AA + - % ⌂ ⌃

```
1 < script() {
2   echo file_{a..z}{a..z}{0..4}.txt>> documents.txt
3 }
```

Test Run Results

Code Feedback

- Your implementation of the iterative binary search looks great! You've correctly divided the array into halves and adjusted the search range based on the comparison with the target value. Here are a few suggestions for improvement:

1. Comments and Readability: Consider adding comments to explain each step in your code. This will make it easier for others (and your future self) to understand the logic.

2. Edge Cases: Your code handles the general case well, but you might want to consider edge cases:

1. What if the input array is empty?
2. What if the target value is not present in the array?

Wireframe - Instructor / Admin

The wireframe illustrates the layout of the Admin's Dashboard and the Course Information Input Screen.

Admin's Dashboard:

- Top Bar:** Logo, Dashboard, Courses, Reports, Settings
- Title:** Admin's Dashboard
- Total Courses:** 10
- Enrolled Students:** 500
- Average Course Rating:** 4.5
- Active Students:** 100
- Completed Courses:** 50
- Recent Activity:** Course Creation, Student Enrollment, Course Completion
- Buttons:** Add New Course, Generate Reports, Manage Settings
- Links:** Contact Information, Help and Support

Course Information Input Screen:

- Course Title
- Course Code
- Instructor Name
- Start Date
- End Date
- Course Description
- Submit**

Syllabus and Resources Suggestion Screen

Syllabus Suggestion

Week 1: Introduction to the Course

Week 2: Topic 1

Week 3: Topic 2

Week 4: Topic 3

Accept/Customize

Recent Course Activity

Course Creation

Student Enrollment

Course Completion

Quick Links

Resource 1

Resource 2

Resource 3

Administrative Tasks Screen

[Course Creation](#)

[Student Enrollment](#)

[Course Completion](#)

Contact Information

Help and Support

Predictive Support Features Screen

Personalized recommendations for course content and resources

Contact Information

Help and Support

Instructor's Dashboard

Total Courses

10

Enrolled Students

500

Average Course Rating

4.5

Active Students

100

Completed Courses

50

Recent Activity

Course Creation

Student Enrollment

Course Completion

[Create New Quiz](#)

[Grade Assignments](#)

[Manage Settings](#)

Contact Information

Help and Support

Grading Tool Screen

Assignment 1

Assignment 2

Assignment 3

Interactive Quiz Creation Screen

Quiz Title

Quiz Description

Quiz Questions

Submit

Personalized Feedback Screen

Personalized feedback for each student

Plagiarism Detection Screen

Student Assignment 1

Student Assignment 2

Student Assignment 3

Virtual Classroom Setup Screen

Classroom Title

Classroom Description

Classroom Settings

Submit

Wireframe - Instructor / Student

Instructor Dashboard

The wireframe depicts the Instructor Dashboard interface. At the top, there's a header bar with the course name "IIT Madras - Python", a "Student Preview" button, and a "Login" link. The sidebar on the left contains navigation links for "Modules", "Assignments", "Announce", and "Discuss", each with a corresponding icon. Below these are course sections: "Course Introduction", "Week 1", "Week 2", "Week 3", "Week 4", "Week 5", and "Supplementary Contents". A large plus sign icon is located at the bottom of the sidebar. The main content area features three buttons: "Upload", "Write", and "Write with AI". There are also two smaller "Upload", "Write", and "Write with AI" buttons in the center and bottom sections. A small upward arrow icon is positioned near the bottom right.

Instructor Dashboard

IIT Madras - Python

Student Preview

Login →

Course Introduction

Modules

Assignments

Announce

Discuss

Week 1

Week 2

Week 3

Week 4

Week 5

Supplementary Contents

Section 1

Latex formatted content here written by GenAI. Either accept or reject

Reject

Accept

Section 2

Upload

Write

Write with AI

@Section 1 Please modify this question.

The screenshot shows the Instructor Dashboard for a course titled "IIT Madras - Python". On the left, a sidebar lists navigation options: Course Introduction, Modules, Assignments, Announce, Discuss, Week 1, Week 2, Week 3, Week 4, Week 5, and Supplementary Contents. Below these are two large sections: "Section 1" and "Section 2". Section 1 contains a message: "Latex formatted content here written by GenAI. Either accept or reject" with "Reject" and "Accept" buttons. Section 2 has "Upload", "Write", and "Write with AI" buttons. A message at the bottom of Section 2 says "@Section 1 Please modify this question.".

Student Dashboard

IIT Madras - Python

Login →

Course Introduction

Modules

Assignments

Announce

Discuss

Week 1

Week 2

Week 3

Week 4

Week 5

Supplementary Contents

Input: 7
Output: True (7 is a prime number)

Input: 10
Output: False (10 is not a prime number)

test1 test2

Your AI mate guide

Certainly! Let's provide some constructive feedback to help correct the code and solve the problem:

1. Issue: Treating 0 and 1 as Prime Numbers
 - Feedback: The function currently treats 0 and 1 as prime numbers, which is incorrect. Remember that prime numbers are positive integers greater than 1. Adjust the condition to exclude 0 and 1 from being considered prime.
2. Issue: Returning True When Divisor Is Found
 - Feedback: The function returns True as soon as it finds any divisor. However, it should return False if no divisors are found. Consider changing the return value when a divisor is found.
3. Issue: Loop Range
 - Feedback: The loop should run up to number // 2 (or even better, int(number**0.5) + 1) for efficiency. Currently, it runs up to number - 1, which is unnecessary.

```
def is_prime(number):  
    ...  
    Incorrect function to check if a number is prime.  
    ...  
    if number <= 1:  
        return False # Incorrect: Treating 0 and 1 as prime numbers  
  
    for i in range(2, number):  
        if number % i == 0:  
            return True # Incorrect: Returning True if any divisor is found  
  
    return False # Incorrect: Should return False if no divisors are found  
  
# Example usage  
print(is_prime(7)) # Incorrect output: True  
print(is_prime(10)) # Incorrect output: True
```

Figma Link : [click here](#)