



# Student Code Online Review and Evaluation 2.0

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# Milestone 4

- Complete Automatic Grading Rubric
- Complete Google Cloud Run Hosting
- Complete Importing Roster
- Integrate AI detection results into the submission workflow
- Evaluate AI detection accuracy using sample student submissions
- Connect AI detection output to the web interface for professor review
- Create a Cluster Algorithm for COPS with visualization


# Milestone 4 – Completion Matrix

Task	Dorothy	Patrick	Shamik	Rak	To Do
1. Rubric Autograder Completion	90%	0%	0%	0%	Add rubric to student assignment dashboard
2. Complete Google Cloud Run Hosting	0%	0%	0%	0%	
3. Import Roster Completion	0%	0%	80%	0%	Display the list of students from CSV file or manual add students
4. AI Detection Integration & Testing	0%	0%	0%	80%	Connect AI results to dashboard. Evaluate detection accuracy. Refine ensemble scoring.
5. Complete COPS Matrix	%	%	%	%	

# Automatic Rubric Based Grading

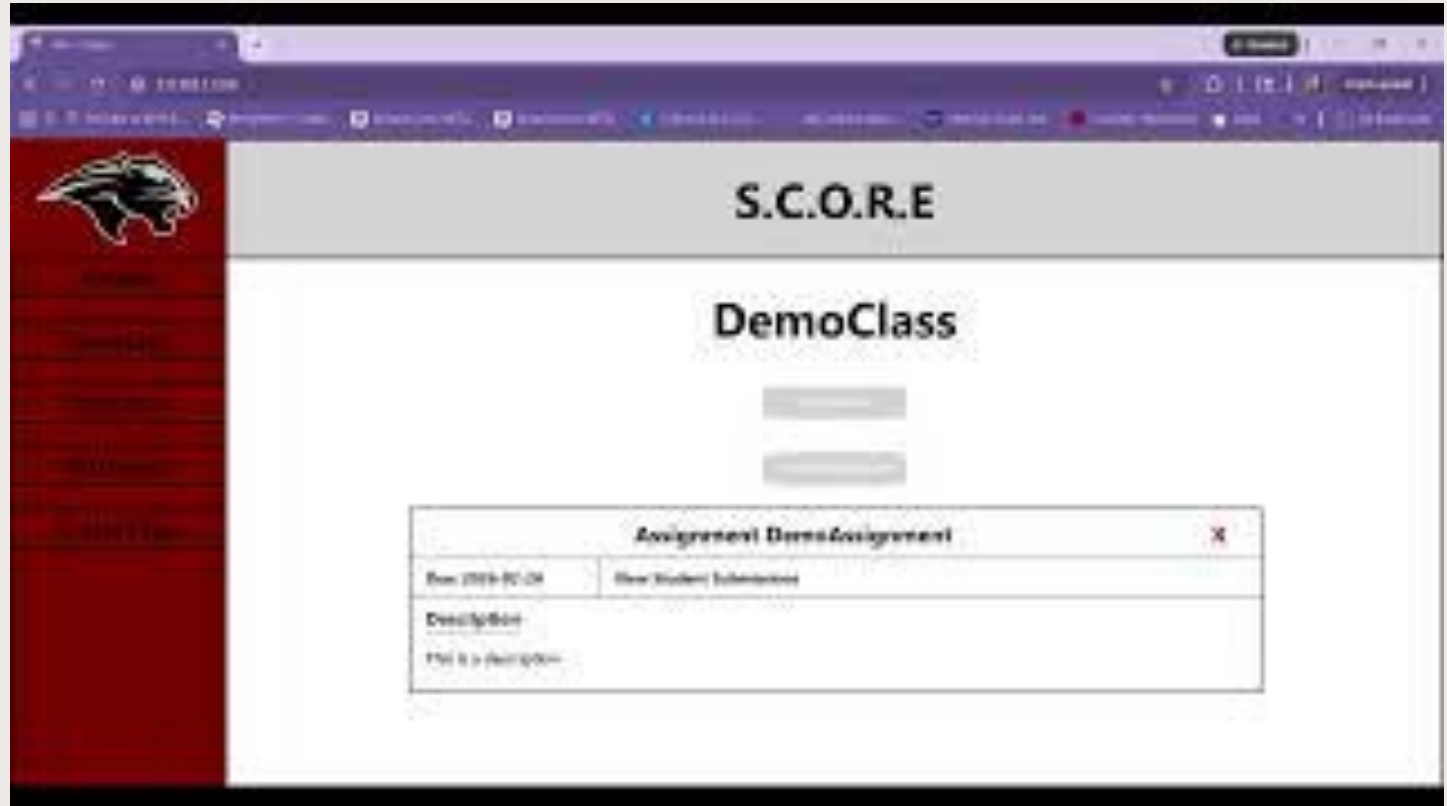
- When a student makes a code submission, the autograder will use the professor-created rubric in order to give students a grade

Criteria	Points
Total	10
Compilation	5
Attempt	3
Under 100 Seconds	1
After 5 Days Late (deduction)	5

grade test	
Assigned:	Due
Highest Score: 11/10	<a href="#">View Most</a>
Test Case tc1	
	
Description	
Visible Test Cases	
Sample Input	Sample Output
Hello World!	Hello World!

Test Cases					
Input	Output	Feedback	Points	Verifier	Visibility
<div>Upload Input</div> <div>HelloWorldOutput.txt</div>	<div>Upload Output</div> <div>HelloWorldOutput.txt</div>	<div>This is feedback</div>	<div>2</div>	<div><input checked="" type="checkbox"/> Diff</div> <div><input type="checkbox"/> Custom</div>	<div><input checked="" type="checkbox"/> Visible</div> <div><input type="checkbox"/> Hidden</div>

# Automatic Rubric Based Grading Demo



# Roster Import

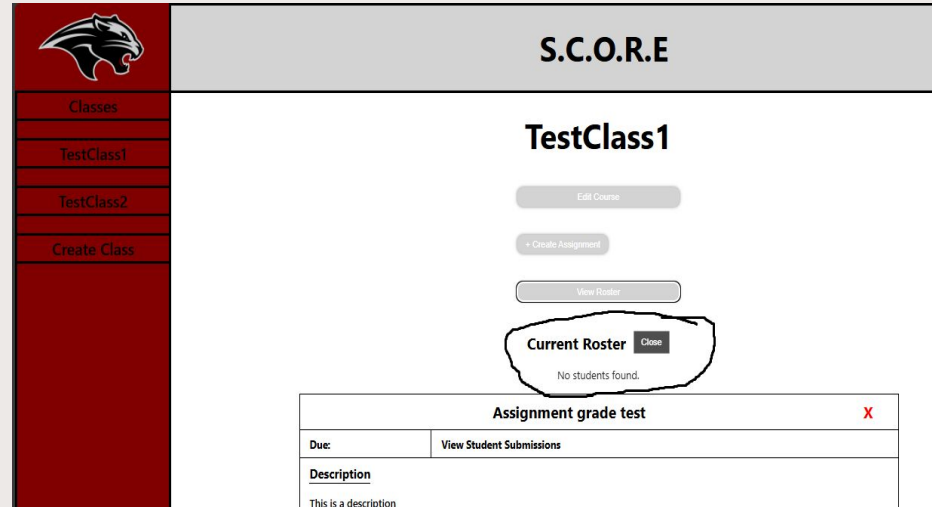
- Under each course, the button for seeing the current roster is implemented, so whatever students has been added or imported through CSV file will be shown in that panel.

The screenshot displays the S.C.O.R.E. (Student Course Overview and Reporting Environment) interface. On the left is a dark red sidebar with a white cougar head logo at the top. Below the logo are menu items: 'Classes', 'TestClass1', 'TestClass2', and 'Create Class'. The main content area has a light gray header with 'S.C.O.R.E.' in bold. Below the header, 'TestClass1' is displayed in large bold text. To the right of 'TestClass1' are three buttons: 'Edit Course', '+ Create Assignment', and 'View Roster'. The 'View Roster' button is circled in black, and a hand-drawn arrow points to it from the left. Below these buttons is a table with the title 'Assignment grade test' and a red 'X' icon in the top right corner. The table has two columns: 'Due:' and 'View Student Submissions'. Under the 'Due:' column, there is a section titled 'Description' with the text 'This is a description'.

Assignment grade test	
Due:	View Student Submissions
<b>Description</b> This is a description	

# Roster Import (P2)

- Inside of the panel for roster view, the professor would see the list of students' name and/or email that have recently been added.
- Currently, it's showing that no students have been added to the roster since displaying the student's information from the data is remaining.



The screenshot displays the S.C.O.R.E. (Student Course Overview and Reporting Environment) interface. On the left is a dark red sidebar with a white cougar head logo and navigation links: **Classes**, **TestClass1**, **TestClass2**, and **Create Class**. The main content area has a light gray header with the text **S.C.O.R.E**. Below the header, the title **TestClass1** is centered. Underneath the title are four buttons: **Edit Course**, **+ Create Assignment**, **View Roster**, and **Current Roster**. The **Current Roster** button is circled in black, and a **Close** button is next to it. Below the buttons, the text **No students found.** is displayed. At the bottom, there is a table with the title **Assignment grade test** and a red **X** icon in the top right corner. The table has three columns: **Due:**, **View Student Submissions**, and **Description**. The **Description** column contains the text **This is a description**.

# AI Detection Integration

- Integrated AI detection into backend submission workflow
- Created API endpoint to analyze student code
- Returns AI probability score in JSON format
- Supports multiple detection models (ensemble system)

# AI Detection Testing & Evaluation

- Tested using human-written and AI-generated code samples
- Verified probability consistency
- Handled API failures safely
- Preparing dashboard visualization for professors

# Milestone 5 – Task matrix

Task	Dorothy	Patrick	Shamik	Rak
1. Complete Google Cloud Run Hosting	100%	0%	0%	0%
2. Work with our advisor to demo a release into classrooms	25%	25%	25%	25%
3. Test and correct security bugs	50%	0%	50%	%
4. Complete C.O.P.S	0%	100%	0%	0%
5. Complete AI detection	0%	0%	0%	100%
6. Add export grades functionality/finish import	0%	0%	100%	0%



Questions?