
Student Code Online Review and Evaluation 2.0

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Milestone 6


- Complete remaining bug fixes
- Create user manual
- Create developer manual
- Create demo video
- Make any final touches
- Fix visualization errors

Milestone 6 – Completion Matrix

Task	Dorothy	Patrick	Shamik	Rak	To Do
1. Complete any remaining bug fixes	80%	20%	0%	0%	
2. Release project	100%	0%	0%	0%	
3. Create User Manual	100%	0%	0%	0%	
4. Create Developer Manual	50%	0%	50%	0%	
5. Create video tutorials	50%	0%	0%	0%	Figure out how to upload to YouTube (denied for issues with personal information)
6. Complete finishing touches	50%	20%	0%	0%	Finish website for showcase

AI and Collusion Detection

- Completed adding AI scores and similarity scores for student submissions
- AI score represents how likely the code was to be machine generated
- AI scores are generated at the time of submission
- Similarity scores are generated by comparing student submissions
- Results are displayed using a similarity matrix and heatmap



Classes

Demo Course 1

Demo Course 2

Demo Course 3

Create Class

S.C.O.R.E

[View Roster](#)

Demo Assignment Submissions

[Export CSV](#)
[Generate Collusion Map](#)

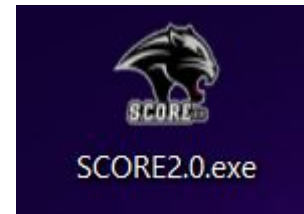
Student Name	Student Email	Numeric Grade	Percent AI	Date	Download
Dorothy Ammons	dammons2022@my.fit.edu	10/10	99%	4/17/2026, 11:40:01 AM	Download Collusion1.py
Rak Alsharif	ralsharif2022@my.fit.edu	8/10	12%	4/17/2026, 11:41:03 AM	Download Collusion3.py
Shamik Bera	sbera2022@my.fit.edu	10/10	99%	4/17/2026, 11:39:47 AM	Download Collusion1.py
Patrick Kelly	pkelly2022@my.fit.edu	9/10	41%	4/17/2026, 11:45:51 AM	Download Collusion2.py

Collusion Heatmap

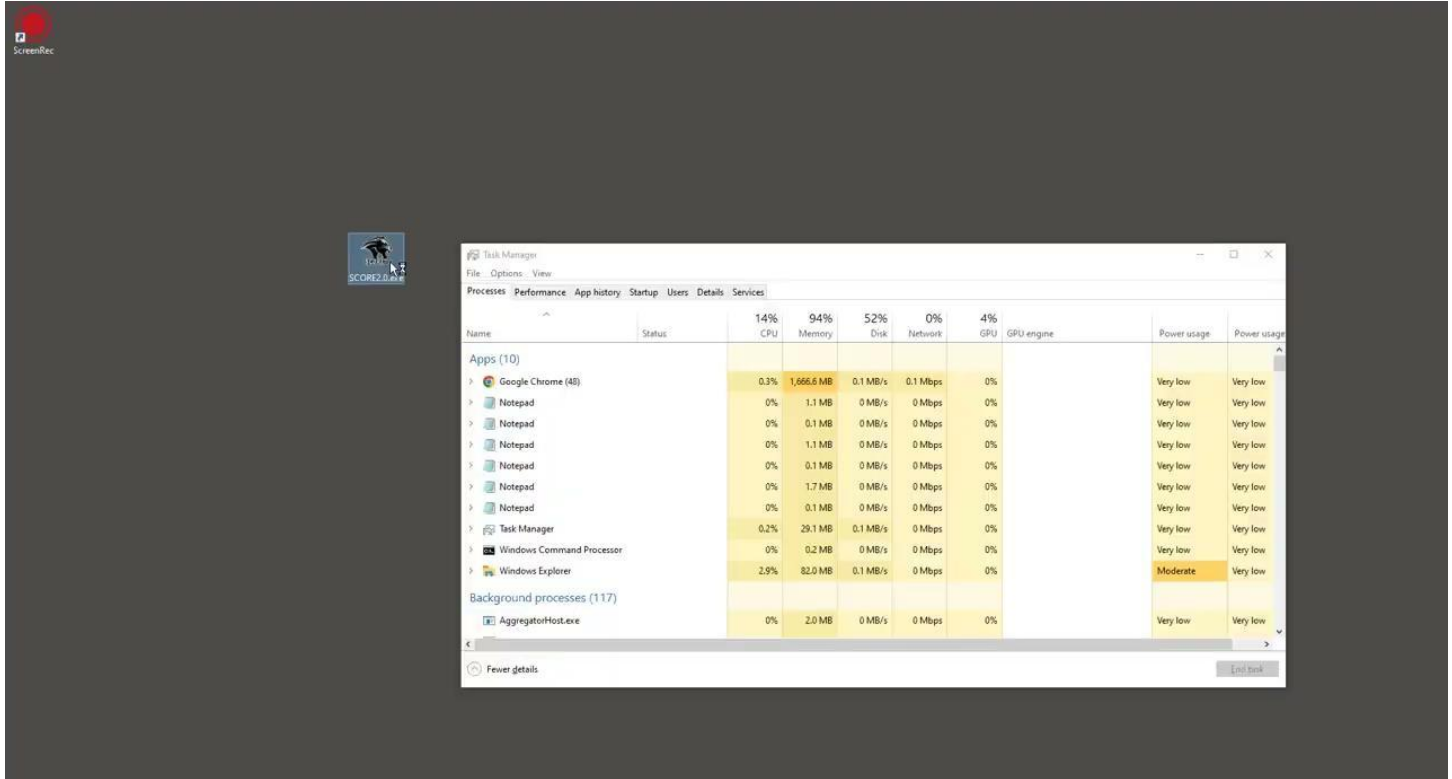
	dammons2022	ralsharif2022	sbera2022	pkelly2022
dammons2022	-	29.4	100	40.9
ralsharif2022	29.4	-	29.4	20
sbera2022	100	29.4	-	40.9
pkelly2022	40.9	20	40.9	-

PyInstaller

- We decided the easiest way to distribute the web application to students and professors was to bundle everything into an executable file
- The file opens a window that manages the running of the application
- A tab opens with a loading screen
- After about 30 seconds S.C.O.R.E (2.0) opens in a new tab
- The file is supported on Windows and Linux operating systems



Demo



The screenshot displays the Windows Task Manager Performance tab. At the top, system resource usage is summarized: CPU at 14%, Memory at 94%, Disk at 52%, Network at 0%, GPU at 4%, and GPU engine at 0%. Below this, a table lists running applications and their resource usage. The 'Apps (10)' section includes Google Chrome (48), five instances of Notepad, Task Manager, Windows Command Processor, and Windows Explorer. The 'Background processes (117)' section includes AggregatorHost.exe. Power usage is indicated as 'Very low' for most apps and 'Moderate' for Windows Explorer.

Name	Status	14% CPU	94% Memory	52% Disk	0% Network	4% GPU	GPU engine	Power usage	Power usage
Apps (10)									
Google Chrome (48)		0.3%	1,666.6 MB	0.1 MB/s	0.1 Mbps	0%		Very low	Very low
Notepad		0%	1.1 MB	0 MB/s	0 Mbps	0%		Very low	Very low
Notepad		0%	0.1 MB	0 MB/s	0 Mbps	0%		Very low	Very low
Notepad		0%	1.1 MB	0 MB/s	0 Mbps	0%		Very low	Very low
Notepad		0%	0.1 MB	0 MB/s	0 Mbps	0%		Very low	Very low
Notepad		0%	1.7 MB	0 MB/s	0 Mbps	0%		Very low	Very low
Notepad		0%	0.1 MB	0 MB/s	0 Mbps	0%		Very low	Very low
Task Manager		0.2%	29.1 MB	0.1 MB/s	0 Mbps	0%		Very low	Very low
Windows Command Processor		0%	0.2 MB	0 MB/s	0 Mbps	0%		Very low	Very low
Windows Explorer		2.9%	82.0 MB	0.1 MB/s	0 Mbps	0%		Moderate	Very low
Background processes (117)									
AggregatorHost.exe		0%	2.0 MB	0 MB/s	0 Mbps	0%		Very low	Very low

User Manual

Manual includes:

- About S.C.O.R.E (2.0)
- Starting the web application
 - Running the executable
 - Signing in
 - Dashboard
- Professors
 - Class operations
 - Assignment Operations
 - Grading and Integrity Operations
- Students
 - Class and Assignment Navigation
 - Assignment Submission

Developer Manual

Manual includes:

- Requirements for S.C.O.R.E (2.0)
- System Architecture and Explanation
- File Organization including GitHub repository and Frontend and Backend files
- Automated Grading System
- User Roles and Permissions
- Database
- Building the application

Lesson Learned

- Exact requirements that are going to make it into the final product are extremely hard to predict. Before beginning the development process, limitations and other uncertainties are easily overlooked until you are met with a problem.
- Documentation throughout the development process is crucial, not just in the early stages. Because features are often changed from how they are originally designed, referencing those starting documents can become confusing. Log every change you make, where you made it, how to use it, how to test it, how it should act, etc.
- Team collaboration and communication is very important for a project of this size. Everyone needs to be on the same page as to where the project is at, what's next, and who should do what.

Questions?