# Student Code Online Review and Evaluation 2.0

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# Milestone 5

- Complete AI detection model

- Release SCORE 2.0 into classrooms

- Complete export grade functionality

- Address reliability issues (multiple users at once, large data, security breaches)

- Conduct evaluation and analyze results

- Create poster for Senior Design Showcase

- Complete COPS integration

# Milestone 5 – Completion Matrix

| Task | Dorothy | Patrick | Shamik | Rak | To Do |
|---|---|---|---|---|---|
| 1. Complete Google Cloud Run Hosting | 100% | 0% | 0% | 0% | This was completed however, once some updates were pushed to the project, the MiB of ram allowed was exceeded, we need to discuss other options |
| 2. Work with our advisor to demo a release into classrooms | 0% | 0% | 0% | 0% | Resolve hosting issues |
| 3. Test and correct bugs and security concerns | 90% | 0% | 0% | 0% | Fix add students function, fix multiple assignments per class and test |
| 4. Complete C.O.P.S | 0% | 100% | 0% | 0% | |
| 5. Complete AI detection | 0% | 0% | 0% | 0% | |
| 6. Add export grades functionality/finish import | 90% | 0% | 10% | 0% | |
| 7. Create Senior Design poster | 0% | 0% | 80% | 0% | |

# Hosting

- Containerized the project
- Pushed to the Google Cloud Run client
- Site was hosted until changes were updated
- RAM allowed for free tier was exceeded
- Explored other options: Oracle, Replit, Render, GitHub Pages + Actions; all coming across the same RAM limitations
- Next steps to consider: create a downloadable application, advocate for Florida Tech to host the site

# Bug Fixes

- FIXED late penalty from rubric (it deducts the rubric points PER DAY)
- FIXED delete assignment (deletes all submissions and rubrics and test cases)
- ADDED download grades button (exports Canvas style CSV)
- FIXED grading portal page
- FIXED view assignment page info on professor side
- FIXED assigned date on student page
- FIXED brief description + moved description to be a downloadable file
- FIXED extra rubric button, added popup for creating rubric
- FIXED removed extra buttons from the assignment creation page

# Grading Portal

- Accessed through viewing the submission on the professor's side.
- The portal shows which students submitted the assignment with their email, grade, and the date it was submitted.
- The button is added to allow for the download of student grades on an assignment.
- The downloaded file is in a CSV format to be uploaded to a Canvas assignment.

**Demo**

# C.O.P.S

- Developed backend system to compare student submissions

- Generated similarity matrix between all student files

- Used algorithm to calculate similarity scores (0–100%)

- Structured data for frontend visualization

- Helps identify potential plagiarism and collusion

- Designed for future integration into real classroom use

# Milestone 6 – Task Matrix

| Task | Dorothy | Patrick | Shamik | Rak |
|---|---|---|---|---|
| Complete any remaining bug fixes | 50% | 25% | 0% | 25% |
| Release project | 100% | 0% | 0% | 0% |
| Create Developer Manual | 25% | 25% | 25% | 25% |
| Create User Manual | 25% | 25% | 25% | 25% |
| Create video tutorials | 25% | 25% | 25% | 25% |

# Questions?