S.C.O.R.E

Milestone 5



Team

- Charlie Collins
- Tommy Gingerelli
- Logan Klaproth
- Michael Komar

Faculty Advisor/Client

· Dr. Mohan



Milestone 5

- Implement, test, and demo web app backend
- Implement, test, and demo grading portal
- Conduct evaluation and analyze results
- Create poster for senior design showcase



Milestone 5 Completion Matrix

Task	Completion	Charlie	Logan	Michael	Tommy	To Do	
Implement web app back end	80%	60%	0%	40%	0%	View submissions	
Implement grading portal	90%	25%	35%	20%	20%	Handle modification of individual grades	
Conduct evaluation and analysis	50%	25%	25%	25%	25%	In class trial run	
Create senior design poster	70%	25%	25%	25%	25%	Create final draft	



Web App Back End



Web App Back End

Completed:

- NodeJS
- Handle all database interaction using Mongoose
 - One unified interface between the application and the database
 - Assignment details, creating assignments, viewing submissions, and handling submissions, file uploads
- Front-end endpoints for authentication

TO-DO:

- Multi-file submissions
- Course creation



Demo

https://youtu.be/Sj3Fvzzg02s



Grading Portal



Grading Portal

Professor-only feature displaying all submissions for an assignment

- Completed:
 - Front end table displays names and email addresses
 - Backend pulls data from database
- TO-DO:
 - Manually adjust grades



Example



S.C.O.R.E

Classes

cse2050

cse2010

Switch View

Grading Portal

Grading Portal

Student Email	Numeric Grade
mkomar 2021@my. fit.edu	9/10
tgingerelli2021@my.fit.edu	8/10
lklaproth2021@my.fit.edu	9/10
ccollins2021@my.fit.edu	10/10



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Analysis and Evaluation



Analysis and Evaluation

- Validation of requirements
 - Implemented functionality was compared against requirements specification to validate the intended functionality of the system
- Auto-Testing accuracy
 - Must guarantee that every interaction with the testing platform generates expected results
 - If submitted code output differs from the expected, the system should consider it a failed test case
 - The system successfully handled all of the tests we performed



Design Poster



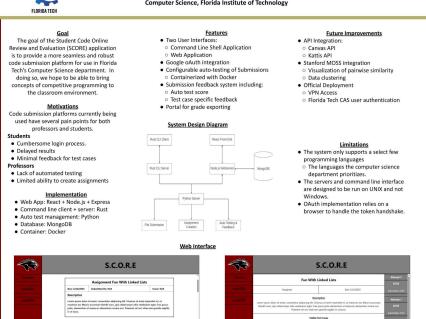
Design Poster

- Created rough draft of the poster
- Plan to make design improvements and potentially add an evaluation section

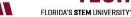


Student Code Online Review and Evaluation

Charlie Collins, Thomas Gingerelli, Logan Klaproth, Michael Komar Faculty Advisor(s): Dr. Raghuveer Mohan, Dept. of Electrical Engineering and Computer Science, Florida Institute of Technology







Milestone 6

- Implement, test, and demo Canvas integration
- Implement, test, and demo MOSS integration
- After meeting with Dr. Mohan, the above two features were removed from the plan and deployment was added
 - Prefers we focus on finishing existing features and deploying the system rather than adding new integrations
- Finish remaining tasks: polishing and system bundling
- Deploy system to a server
- Conduct live test demo of the system
- Create user/developer manual
- Create demo video



Milestone 6 Task Matrix

Task	Charlie	Logan	Michael	Tommy
Finish remaining tasks: polishing, documentation, and system bundling	20%	30%	20%	30%
System deployment	30%	20%	30%	20%
Conduct test run evaluation	25%	25%	25%	25%
Create user manual	25%	25%	25%	25%
Create demo video	25%	25%	25%	25%



Questions?

