

S.C.O.R.E

Milestone 4

Team

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

Faculty Advisor/Client

- Dr. Mohan

Milestone 4

- Finish implementing auto testing and feedback
- Implement, test, and demo front end web app
- Implement, test, and demo user authentication
- Integrate server components

Milestone 4 Completion Matrix

Task	Completion	Charlie	Logan	Michael	Tommy	To Do
Finish Auto Test	90%	20%	40%	0%	40%	Handle custom verifiers
Implement User Auth	100%	50%	0%	50%	0%	N/A
Implement Web App Front End	75%	35%	35%	30%	0%	Sign in component, view submission component
System Integration	90%	60%	0%	20%	20%	Handle file transfer

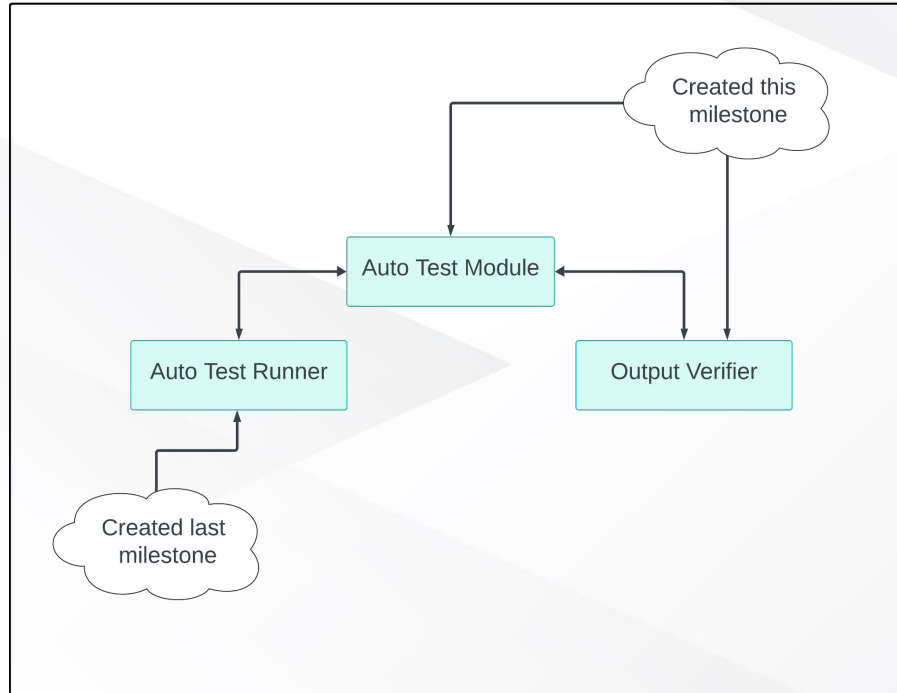
Auto-Testing and Feedback

Auto-Testing and Feedback

- Previously, the auto test component was just a python script
 - Converted that script into an object
- Created an object that handles feedback creation
 - Currently only works with “diff”
- Created a python application that manages auto test and feedback

Auto Testing and Feedback

Auto-Test Module



Web App Front End

Web App Front End

- Started the second interface for our application
- Created with the React framework
- Only front end
 - The Node.js backend is planned for next milestone
- Most of the functionality is present, but we plan to still improve UI and aesthetics

Demo

<https://youtu.be/o19M97EE8DY>

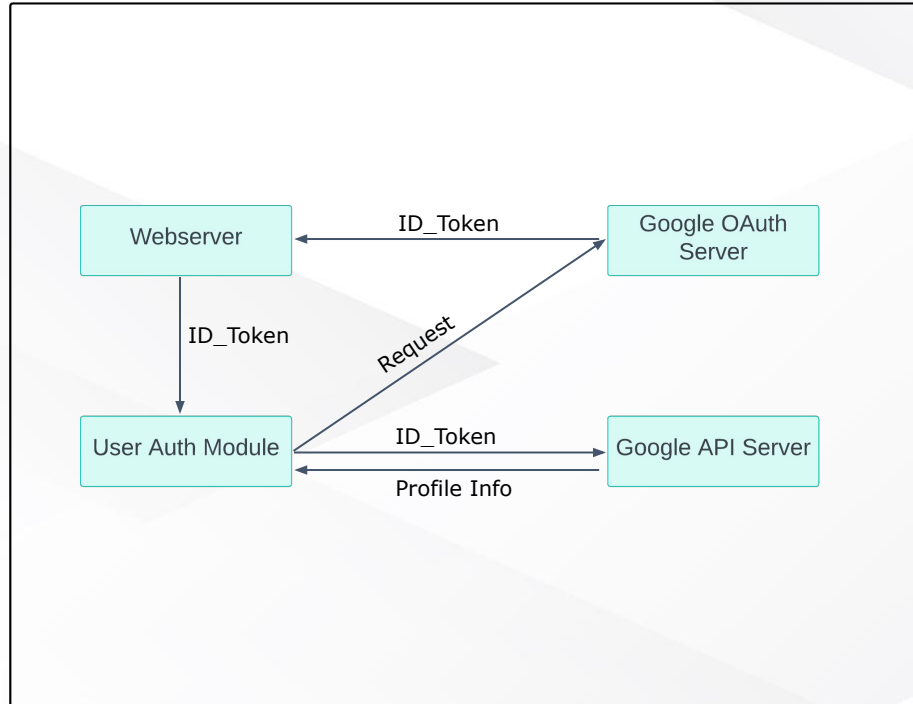
User Authentication

User Authentication

- Used Google OAuth for authentication
- OAuth allows the user to authorize our application to access the user's google profile
 - We only need the user email
- Once we receive the user's email from Google's server, the user is signed in

User Authentication

OAuth Module



Demo

<https://youtu.be/ID6OBmoDdBc>

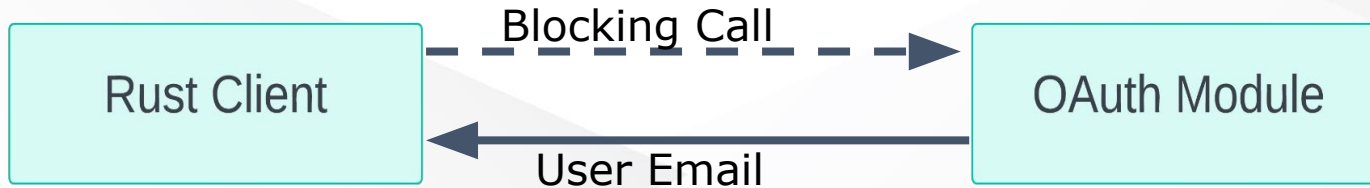
Server Integration

Server Integration

- Several functionalities of SCORE existed as separate modules
 - We wanted to combine them into one cohesive server
- Integrate user auth into rust client
- Integrate auto test with rust server

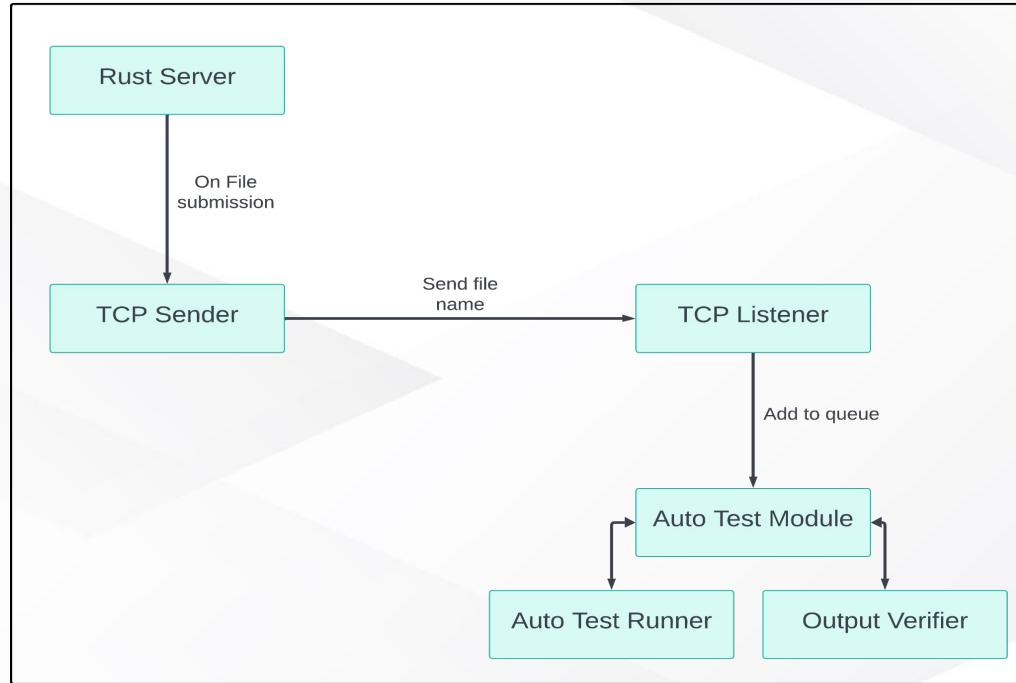
Server Integration

User-Auth Integration



Server Integration

Auto Test Integration



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 Task Matrix

Task	Charlie	Logan	Michael	Tommy
Implement web app back end	40%	20%	40%	0%
Implement grading portal	20%	20%	0%	60%
Conduct evaluation and analysis	25%	25%	25%	25%
Create senior design poster	10%	40%	40%	10%

Questions?
