

# S.C.O.R.E

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## 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                         |

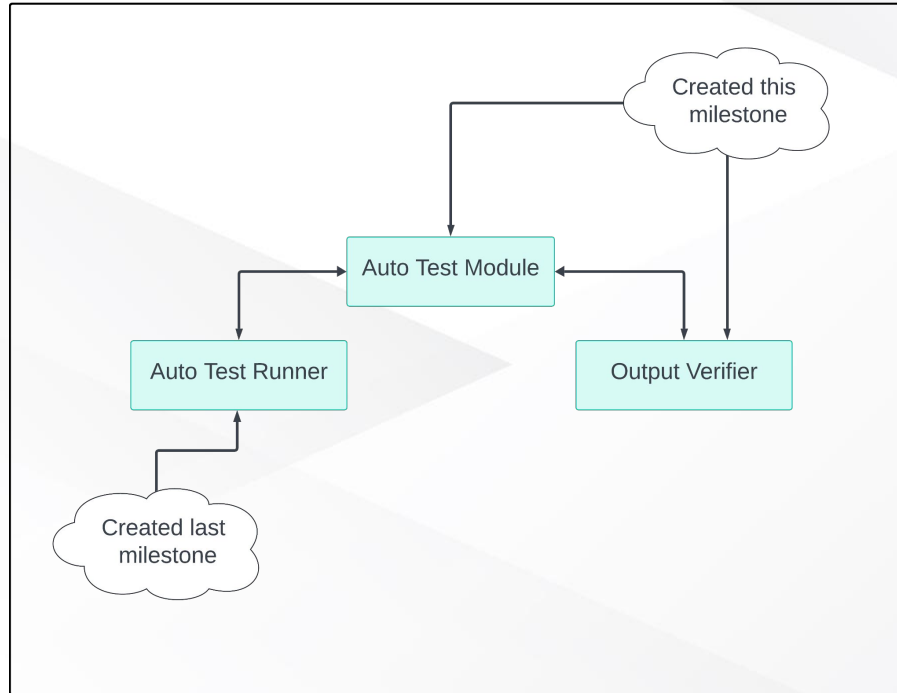
# Auto-Testing and Feedback

# 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
- All functionality is present, but we plan to still improve UI and aesthetics

# Demo

<https://youtu.be/dPd7ASIGBHc>

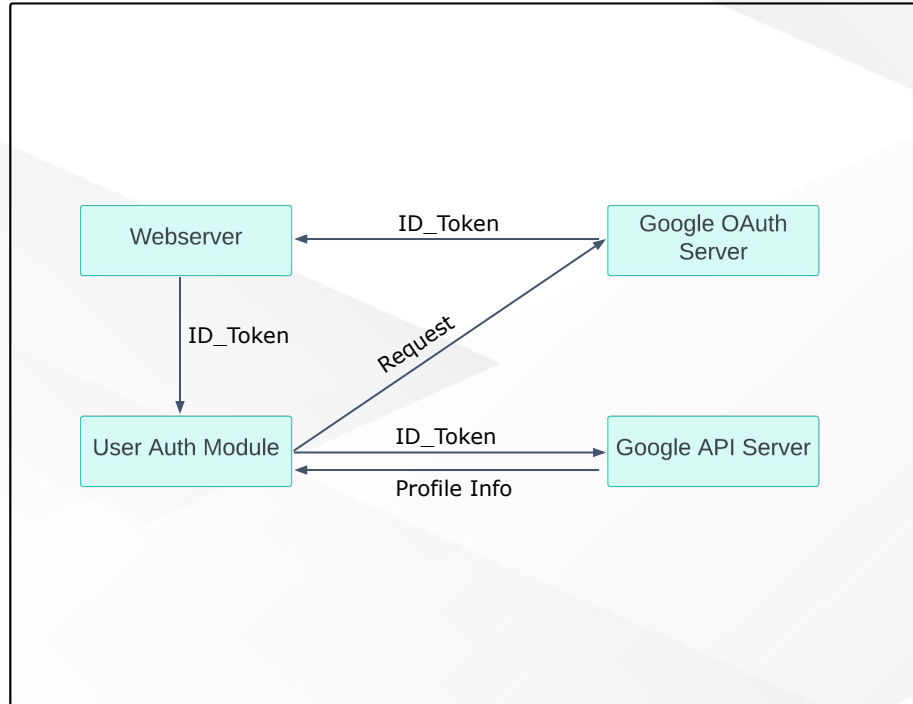
# User Authentication

# 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

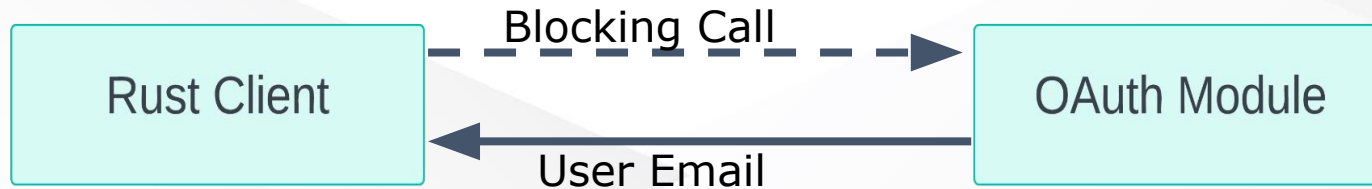
# Server Integration

- 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



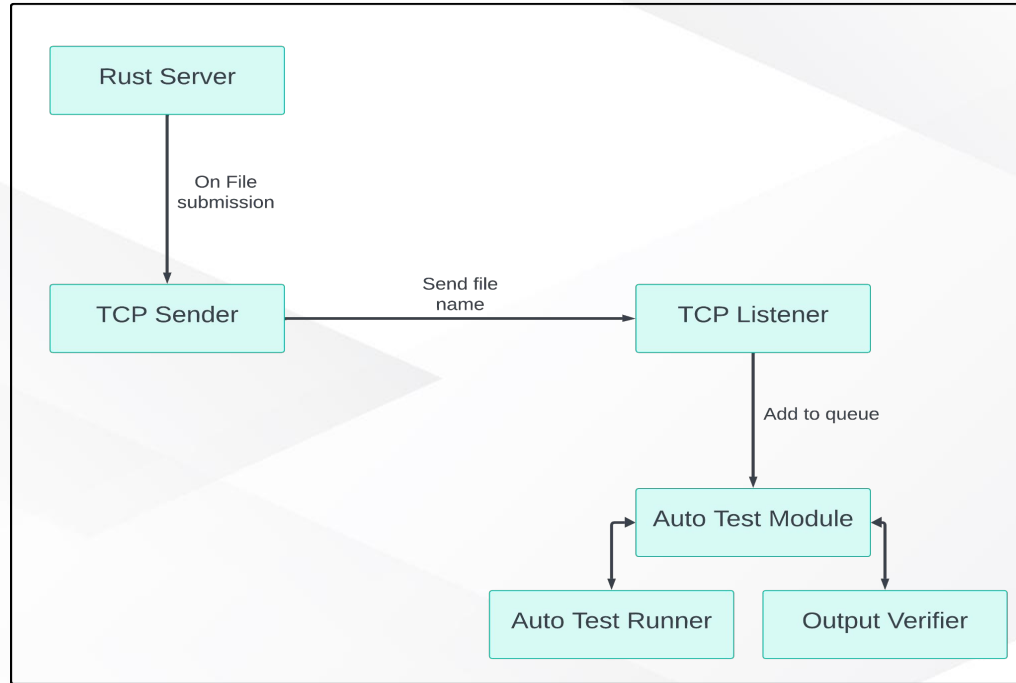
# Server Integration

## 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?

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