

Final Demonstration

Team 9: Five for Fighting



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- Overview
- Initial product requirements

Motivation

- Features
- Challenges

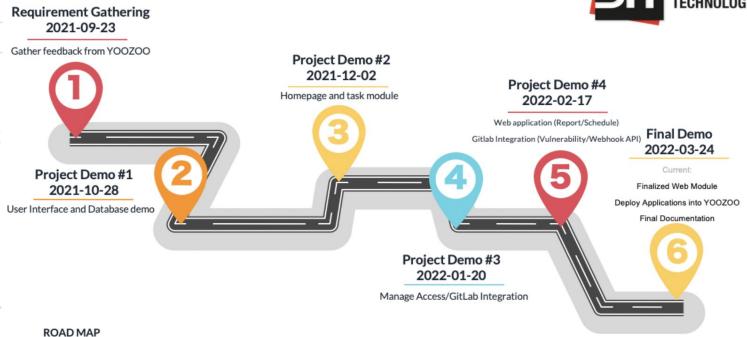
04 Demonstration 05 Future Work

- All Modules

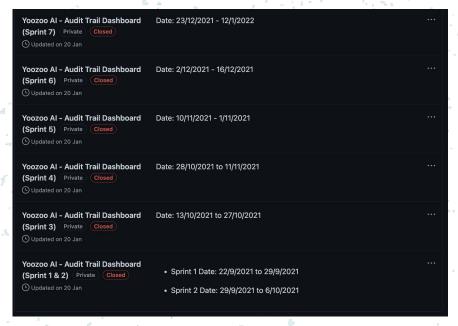
Next Deliverables

RoadMap





Sprints



川 0 Open 📴 11 Closed		Sort ▼
Yoozoo AI - Audit Trail Dashboard (Sprint 12) Private Closed © Updated 36 minutes ago	02/03/2022 - 24/03/2022	
Yoozoo Al - Audit Trail Dashboard (Sprint 11) Private Closed Updated 22 days ago	17/2/2022 - 3/03/2022	
Yoozoo AI - Audit Trail Dashboard (Sprint 10) Private Closed © Updated on 17 Feb	3/2/2022 - 16/2/2022	
Yoozoo Al - Audit Trail Dashboard (Sprint 9) Private Closed ① Updated on 3 Feb	Date: 20/1/2022 - 3/2/2022	

Requirements



Requirements

Scheduler Module

An admin should be able to allocate users to specific time slots

Task Module

- When operators detects some issue, they will go to the dashboard and add their issue in
- Once developers have fixed the issue, they will need to provide the link to the fix and tag the operator to verify that the item has been fixed

Report Module

- IV Drop in a docker container to be integrated into Gitlab CI/CD pipeline for static code analysis
- V Drop in a docker container to be integrated into Gitlab CI/CD pipeline for code quality checks
- VI Drop in a docker container to be integrated into Gitlab CI/CD pipeline for DAST

Lark

- VII Operators will receive an email and webhook alert to check-in for operations
- VIII Developers will receive an email when an issue is created

Added Features

Login Module

- Separate authorisation for Admin, Operators and Developers
- ii Store cookies to auto login

Manage Access Module

- 7 roles for employees: Admin, Operator High/Medium/Low, Developer High/Medium/Low
- Admin is able to change role for employees under his group/department



User Stories

User Stories



Administrator

As an Administrator

I want to assign issues to operators, so That they can debug and assign tasks

As an Administrator

I want log events in my repositories, so That I can audit them later



Operators

As an Operator

I want to assign issues to developers, so That they can resolve the issues.

As an Operator

I want to view my schedules, so That I know when to login to the system.



Developers

As a Developer

I want to read and update issues, so That they can be resolved

As a Developer

I want inform operators that I have resolved an issue, so That they can test the updates



User Story 1

I want to assign projects to operators, so That they can check on issues

Accept Criteria

- · User can only submit by filling in all required fields
- User will be able to see available
- User will receive notification when task is successfully assigned



User Story 1

As an Administrator I want to assign projects to operators, so That they can check on issues

Accept Criteria

User will be able to see available

· User will receive notification when

task is successfully assigned

- · User can only submit by filling in all · User can only submit by filling in all required fields required fields
 - User will be able to see available

That they can check on issues

As an Administrator

· User will receive notification when task is successfully assigned

User Story 1

I want to assign projects to operators, so

Accept Criteria



User Story 2

I want to assign issues to developers, so That they can resolve the issues.

- User can only submit by filling in all required fields
- User will be able to see available Developers
 - User will receive notification when task is successfully assigned



User Story 2

I want to assign issues to developers, so That they can resolve the issues.

Accept Criteria

- · User can only submit by filling in all required fields
- User will be able to see available
- · User will receive notification when task is successfully assigned



User Story 2

Accept Criteria

· User can only submit by filling in all

User will be able to see available

· User will receive notification when

task is successfully assigned

required fields

That they can resolve the issues.

want to assign issues to developers, so I want to read and update issues, so That they can be resolved

Accept Criteria

User Story 3

- · User can only submit by filling in all required fields
- User will update existing fields.
- · User will receive notification when task is successfully resolved and



User Story 3

As a Developer want to read and update issues, so That they can be resolved

Accept Criteria

- User can only submit by filling in all required fields
- User will update existing fields.
- User will receive notification when task is successfully resolved and



User Story 3

I want to read and update issues, so That they can be resolved

Accept Criteria

- · User can only submit by filling in all required fields
- User will update existing fields.
 - · User will receive notification when task is successfully resolved and

Product Feature 3



Login Module

Features:

Verification

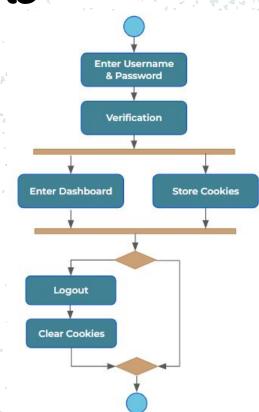
Authentication

Login Credential Cookies

Challenges:

React Routing

Cookie Management



Scheduler Module



CRUD

Drag and Drop

Month and Week View

Challenges:

Library built before React v16.8

Flexibility

Integration



DevExpress

Scheduler that represents scheduled data and allows a user to manage it.

Task Module

Features:

Hierarchical "ShowMore"

Status Dynamic Commits

Challenges:

Poor Planning Recursive

Status Completion of Sub-Task

Constraints Conditions

	Project	Sub-Task	Issue
Admin	V	V	V
Operator	X	V	V
Developer	X	X	V

Report Module

Features:

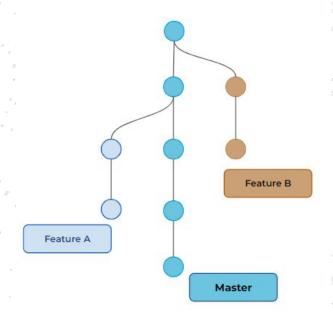
Branching

Code Analysis & Vulnerability Test

Challenges:

Displaying Results

Unable to determine task status



Manage Access Module

Features:

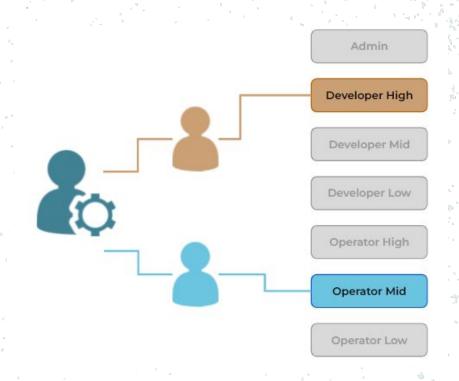
Role Setting

Access Control

Challenges:

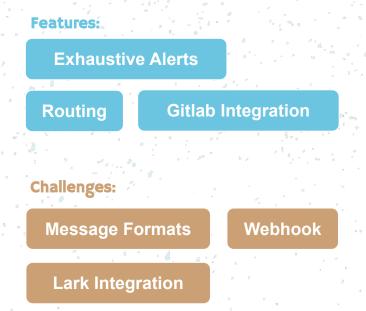
Determining Roles

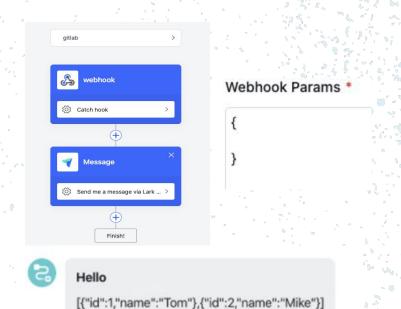
Admin Interaction





Lark Module





GitLab Integrations





Webhooks

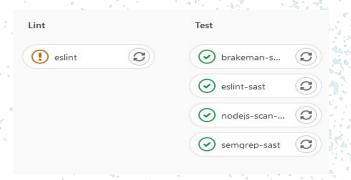
Event Recording

Report Generation

Challenges:

Comparison of linting tools

Documentation



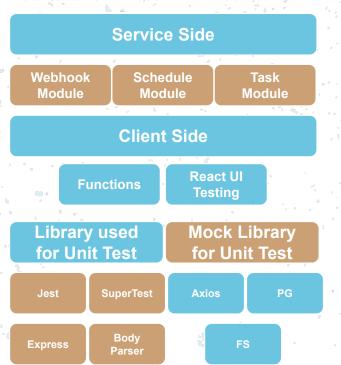
commit_id [PK] character varying (40)	project_id uuid	
a5da2747cbba3ce215bcf1a650bef53ffd6d0893	7b64cc52-afd0-49d7-bcec-ec0e22df0613	

Demonstration



Unit Testing

Additional Unit Test which need to be done



File		% Stmts	% Branch	% Funcs	% Lines	Uncovered Line #s
All files		36.36	28.57	39.24	37.63	
server		100	100	100	100	i
db.js		100	100	100	100	i
server/rout	es	36.07	28.57	39.24	37.34	į
commits.js		100	100	100	100	İ
project.js		100	100	100	100	
schedule.j		42.22	100	35.71	42.22	78-152,277,283,300-403
task.js		19.43	50	22.22	20.77	83-299,463-588,603-727,739-817
user infor	mation.js	100	100	100	100	
user login	. js	100	100	100	100	i
utility.js		100	100	100	100	i
webhook.js		5.92	0	0	6.25	15-385
Statements Branches Functions	: 36.36% : 28.57%	(240/660	Coverage sur)	nmary ====		

Unit Testing

Challenges

Poor Code Structure

Mocking of library

Require use of multiple library

File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Line #s
All files	36.36	20 57	30.34	37.63	
	36.36	28.57	39.24	37.63	ļ
server	100	100	100	100	l,
db.js	100	100	100	100	l
server/routes	36.07	28.57	39.24	37.34	1
commits.js	100	100	100	100	l
project.js	100	100	100	100	
schedule.js	42.22	100	35.71	42.22	78-152,277,283,300-403
task, js	19.43	50	22.22	20.77	83-299,463-588,603-727,739-817
user_information.js	100	100	100	100	
user_login.js	100	100	100	100	1
utility.js	100	100	100	100	I
webhook.js	5,92	0	0	6.25	15-385

Statements + 36.26% (240/660)

Branches : 28.57% (6/21)
Functions : 39.24% (31/79)
Lines : 37.63% (239/635)

Test Suites: 8 passed, 8 total
Tests: 53 passed, 53 total

Snapshots: 0 total **Time:** 3.386 s Ran all test suites.

Add-on

Further Add-on

Display Status of Team Members

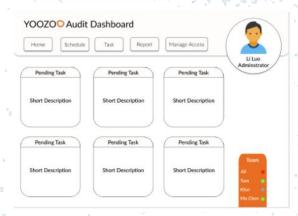
Schedule User to multiple time slot at a go

Access right control for different types of roles

Email Notification

User Management Module

Set Profile Picture for the Users





Thank you!