

ENG 4000

Weekly Meeting Minutes



Every week, this document should be presented to the supervisor, as this will be the basis for grading.

Project Name	Pantheon 3D Smart Material Management
Date & Time of Meeting	March 14th, 2025 @ 2:30 pm

Attendees			
#	Name	Student ID	Username (email)
1	Luca Filippelli	217902461	lfilippelli5@gmail.com
2	Jean Granato	218986943	Jeangran@my.yorku.ca
3	Luqmaan Irshad	217222365	luq21@my.yorku.ca
4	Tharuveen Raveendran	217863986	parask02@my.yorku.ca
5	Paras Kumar	217832478	thar7@my.yorku.ca
6	Ethan Tran	217048604	trane01@my.yorku.ca
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Decision Made / Agenda / Objectives / Plan for the Coming Week
<p>Standup Notes</p> <ul style="list-style-type: none"> - Luca <ul style="list-style-type: none"> o Huge migraine, gave updates via Discord (get better soon!) <ul style="list-style-type: none"> ▪ Completed the QR page QA. Waiting on the listener to be complete before QAing the notification bar ▪ Helped debug the MQTT listener ▪ Got the service and controller refactoring down. Holding off on a PR so we can fold the websocket stuff in ▪ Got the DB env variable story down o Also provided us some talking points for the meeting <ul style="list-style-type: none"> ▪ Shelf instillation date (adding circuitry, 3D printed components, testing) ▪ Websocket story status + Mosquito went down - Tharuveen <ul style="list-style-type: none"> o CSV file downloads o Luca and Paras gave feedback to refactor, so will need to tackle that - Luqmaan <ul style="list-style-type: none"> o Worked closely with Ethan on designing circuitry for scale and display housings o Been responsible for Arduino uptime; ensuring its online for testing <ul style="list-style-type: none"> ▪ Looked into the MQTT failures; root caused the error to mosquito broker being down o Next steps to help mech team install the circuitry and verify everything is functioning properly o May help out Paras on listener bug if time permits - Ethan <ul style="list-style-type: none"> o Designing the housing for the scale and breadboards

- Challenging because of swapping between 2 different softwares
 - Sent models to Nick and scheduled printing jobs, should be ready by Monday
 - Check up on Nick
- Paras
 - With Luca's help, got more progress on system panel
 - Need to work on frontend parts and add mailer to it
 - Finished ENV variables for backend to frontend communication
 - Working on refactoring
 - Aiming to get the system panel done by today or tomorrow
- Jean
 - Completed the model printing for the desiccant holders and decided on which one to use
 - Nick said to use the smallest one
- Shelf installation date
 - Splitting into 2 dates
 - Interior fitting (desiccant holder and spool racks) | Thursday @ 3:30pm, or Monday @ 3:00pm
 - Circuitry (DHT11, scale and Breadboard housing) | Monday @ 3:00pm
 - Circuit verification on Monday → Desiccant verification Tuesday
 - Ethan: SCRUM 105 to do on Monday as well
- Websocket: Paras mentioned the frontend and the mailer need to be completed for the websocket issues, aiming to complete tonight
 - Bug with the material low stock listener; still prints out a warning after all materials replenished
- MQTT downtime; looking into creating an exception in case the backend cannot connect to the broker due to it being down
 - Given the time, verification standards and resource constraints, it would be very difficult to set up our own MQTT broker
 - Current uptime was very long, a day outage is significant, but backups in place for abnormal downtimes
 - Technicians can edit mass manually if needed
 - Temp and humidity can be displayed using the auxillary Govee sensor
 - Not ideal, but it should be sufficient to cover an outage lasting 24-48h
- Reimbursement due date: end of March; BOM may be due a little earlier
 - Ethan planning to spend the rest on 3D printing
 - Luqmaan also needs a USB-B to wall adapter to power the Arduino
- Paras: does Pantheon have a domain?
 - Follow up: Paras mentioned it may not be needed, since we have the Vercel app which makes it unique
 - Get Nick's answer on this
- Went over feedback from report
 - More emphasis on budget analysis; compare budget to our competitors, add graphs / data to show costs from different sectors / other more detailed cost analytics
 - Temp and humidity testing – adding logging data to show stability
 - This is something we pretty much have, need to mention it in the report

- Discussed final deliverables
 - Final SCRUM ends March 24th
 - April 4th is capstone presentation to class
 - April 15th report is due
 - April 25th Final Capstone day
 - Mech team will be arriving early (by 7am) to bring the shelf to Vari hall
 - Jean will bring dolly to move the shelf
 - Will look into creating and working on presentation boards

Team Responsibilities for the Coming Week		
#	Name	Responsibility
1	Luca Filippelli	Complete assigned stories
2	Jean Granato	Complete assigned stories
3	Luqmaan Irshad	Complete assigned stories
4	Tharuveen Raveendran	Complete assigned stories
5	Paras Kumar	Complete assigned stories
6	Ethan Tran	Complete assigned stories
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Progress Report on Last Week's Activities			
#	Name	% Completed	Comment (provide the reasoning only if 100% is not completed)
1	Luca Filippelli	100	
2	Jean Granato	100	
3	Luqmaan Irshad	100	
4	Tharuveen Raveendran	100	
5	Paras Kumar	100	
6	Ethan Tran	100	
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