

Deliverable 3

Weekly Cycles

University of Ottawa

Software Project Management

SEG4105

By:

Zayd Ghazal, Ilyas Hassan, Alexander Choukeir & Hened Saade

Submitted on:

December 5, 2023



uOttawa

November 6th:

Meeting Minutes:

- Discussed how to filter report based on parameters set by user
- Discussed how to protect client sensitive data
- Review timesheet submission functionality
- Made comments and requests to changes
- Created concrete timeline for the remainder of the semester

Zayd Ghazal Update, Future Plans, Blocks, Pull Request Summary:

Past week: The past week, I have been looking into the user roles and permissions aspect of the reports feature. With our current system, there shouldn't be any limitations and I will be able to implement it into the report feature with the same methods.

Next week: Next, I'll finalize the plan and documentation and start implementing the roles and permissions into the report page. I'll make sure that the respective roles can execute the respective queries.

Blocks: I haven't encountered anything blocking me right now, but I might need to coordinate with Ovais who is responsible for the queries when I arrive at that part.

Alexander Choukeir Update, Future Plans, Blocks, Pull Request Summary:

Past week: This past week I worked on some timesheet UI updates, the timesheet submission functionality and the ability to view a timesheet.

Next week: This week, I will be working on the timesheet approval workflow/functionality. I will also be working on the timesheet table UI.

Blocks: Currently, I do not have any major blockers. The timesheet table element has been causing some styling issues.

Pull Request Summary: No pull requests were created just yet.

Hened Saade Update, Future Plans, Blocks, Pull Request Summary:

Past week: This past week, I worked on fixing up the Validators for the text input within the timesheet table. For now, the way I implemented it makes it harder for me to implement another section which is having all the hours added up in another column called "Total".

Next week: This week, I will be working on fixing up the Validators and then working on implementing the "Total Addition" part of the table.

Blocks: So far I do not have any blockers, it's just a bit time consuming implementing the timesheet changes due to consistent UI change requests from the client. Furthermore, I had to rewrite the UI for the timesheet table to enable being able to put in Validators for the text inputs.

Pull Request Summary: No pull requests have been created as of date.

Ilyas Hassan Update, Future Plans, Blocks, Pull Request Summary:

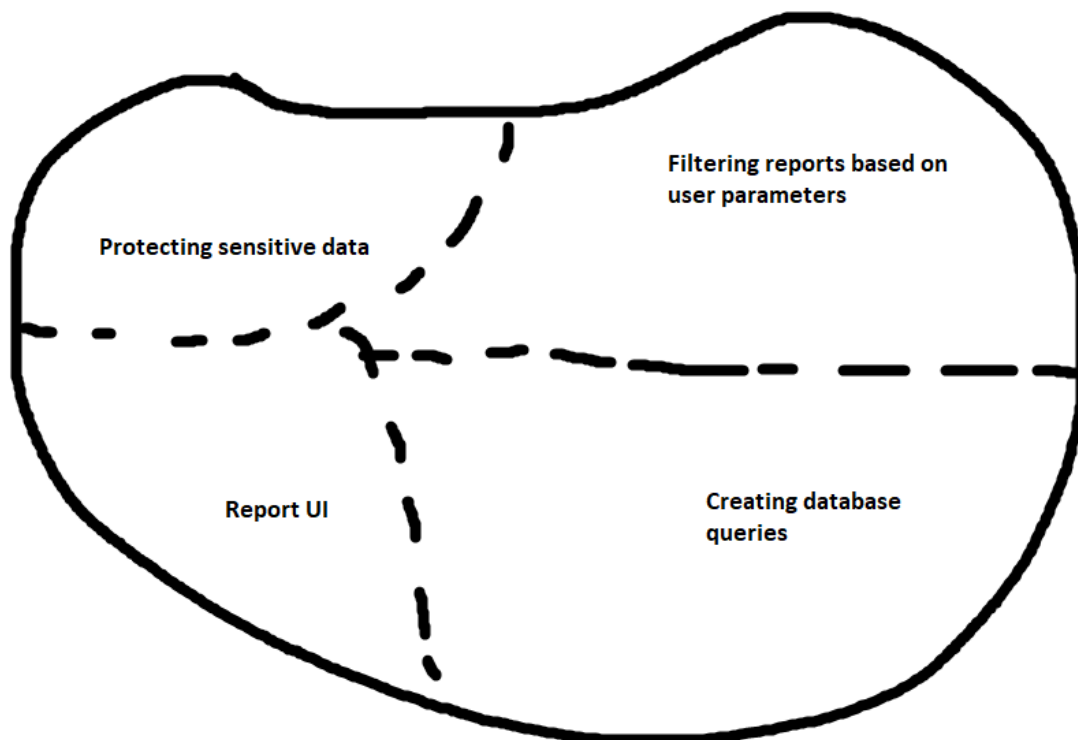
Past week: This past week I've worked on the database. More specifically, adjusting the dto's, models, and entities for the report.

Next week: This next week, I plan to work on figuring out how to seed the report entity with data. I also plan on figuring out which roles we will need for the report (we will probably need a client role) and work to implement it.

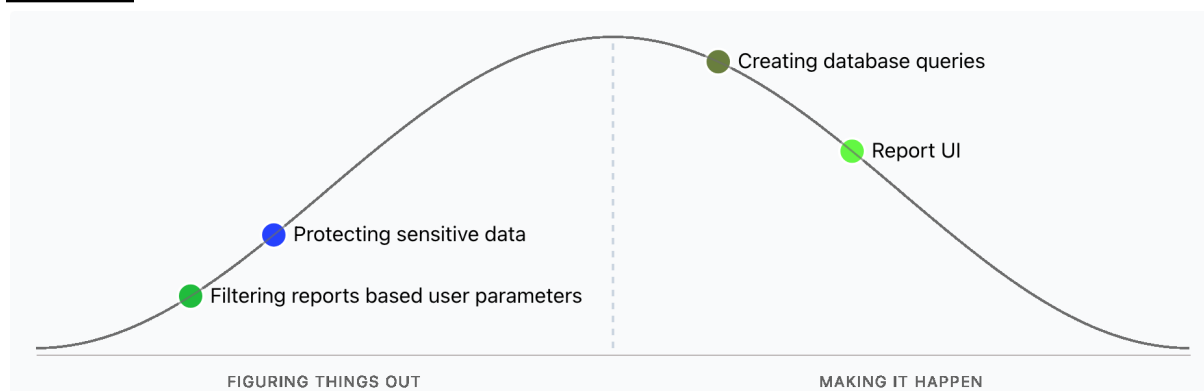
Blocks: Nothing blocking me at the moment

Pull Request Summary: No Pull Requests done yet

Scope Map:



Hill Chart:



Screenshots:

One row of the report using dummy data (not pulled from the database, not filtered)

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SM

Sadye McLaughlin
Sadye_McLaughlin4@yahoo.com

Supervisor

Manage Resources

Pending Approvals

Projects

Timesheet Approvals

Cost Reports

Report Bugs

Logout

Cost Reports

Client Name	Project Name	User Name	Task Name	Month	Position	Hours Worked	Cost Rate	Total Cost
Client A	Project X	User 1	Task Alpha	January	Developer	160	30	4800

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Tempus

November 13th:

Meeting Minutes:

- Demoed our current application to the client
- Client asked if there was validation for the number of hours (max 24)
- Created a timesheet and submitted (timesheet submission)
- There should be validation if you select something, it removed it from the second dropdown list
- Client specified that as resources submit their timesheets, they can see them
- Client said that a supervisor is not linked to a project
- We asked the client if there is a supervisor for a supervisor
- Client stated that you should be able to login as client (CLIENT role)
- Client stated that the admin can see everything
- Client said that he expects us to show him the same reports run for each role to show the difference in what each of them can see

Zayd Ghazal Update, Future Plans, Blocks, Pull Request Summary:

Past week: The past week, I've set up the module that will be involved with the report generation feature. I've created an API controller and a service file that will have all the functions needed. I created the skeleton of the service file by defining all the functions we are going to need. I've also implemented other API functions that were requested for other features. As the team moves forward with the front-end, we notice some required API calls are missing so I've been implementing the back end for those missing aspects.

Next week: Next, I'll keep on implementing the back end for the report feature. Now that I have the skeleton created, I will start writing the function implementations and create the database queries.

Blocks: I don't really have anything blocking me right now. The front end is being developed in parallel so I'll have to keep communicating with the team to make sure everything

Commit:

<https://github.com/tempus-app/tempus/commit/81b4eee4b99e21428b78efb8116b5d6542e5f27b>

Alexander Choukeir Update, Future Plans, Blocks, Pull Request Summary:

Past week: This past week I worked on fixing up the timesheet table UI and adding the translation strings. Also worked on adding the timesheet approval view.

Next week: This week, I will be working on the approval/rejection UI and the timesheet view UI. I will also be working and adding the edit and delete timesheet functionality.

Blocks: Currently, I do not have any major blockers.

Pull Request Summary: Add timesheet submission UI, timesheet submission functionality and ability to view a timesheet.

Ilyas Hassan Update, Future Plans, Blocks, Pull Request Summary:

Past week: This past week I worked on figuring out how to seed data into the database for the reports.

Next week: This next week I plan to work on allowing users to generate reports and automatically download it as a CSV file.

Blocks: Nothing blocking me at the moment

Pull Request Summary:

Hened Saade Update, Future Plans, Blocks, Pull Request Summary:

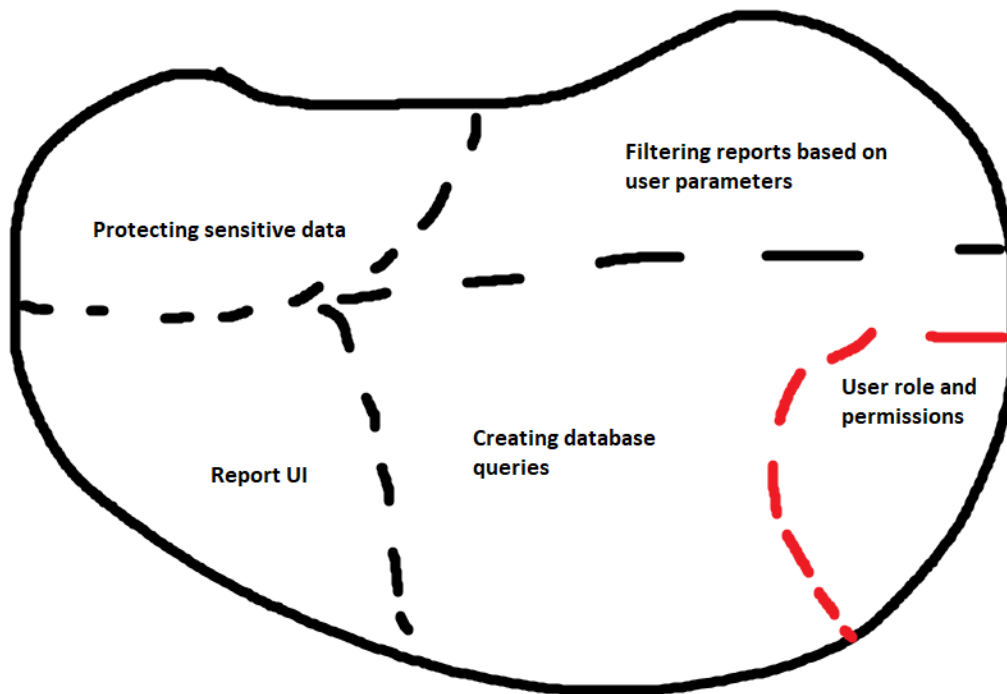
Past week: This past week, I worked on finalizing the Validators for the timesheet and discussed how to implement the Validators for multiple rows in the timesheet

Next week: This week, I will be working on implementing the solution to have the Validators extend to multiple rows for different projects.

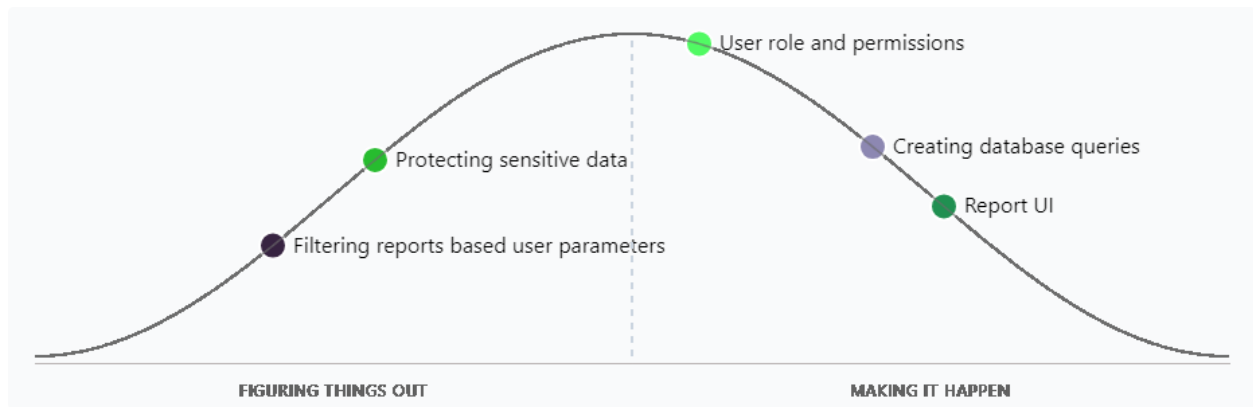
Blocks: So far I do not have any blockers.

Pull Request Summary: Add timesheet submission UI, timesheet submission functionality and ability to view a timesheet.

Scope Map



Hill Chart:



Screenshots:

Multiple rows for the report (data pulled from database) (not based on filters):

AD

Allene Durgan

Allene_Durgan58@gmail.com

Supervisor

Manage Resources

Pending Approvals

Projects

Timesheet Approvals

Cost Reports

Report Bugs

Logout

Cost Reports

Client Name	Project Name	User Name	Task Name	Month	Position	Hours Worked	Cost Rate	Total Cost
DuBuque - Orn	Tasty Granite Bike	Caterina.Terry	input	August	Global Factors Officer	3	57	189
Haley Inc	Oriental Frozen Shirt	Santos.Barrows	program	February	Customer Data Executive	3	95	188
Moen, Beier and Kautzer	Unbranded Concrete Ball	Adonis.Considine	program	July	Regional Mobility Supervisor	3	134	145
Erdman - Kulas	Modern Concrete Computer	Justen74	generate	April	Direct Program Architect	3	146	188
Denesik, Jerde and Klocko	Gorgeous Plastic Shirt	Keong4	synthesize	November	Corporate Paradigm Engineer	7	87	151

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Tempus

November 22nd:

Meeting Minutes:

- Went over the progress for each team member(timesheet submission)
- Closing the current sprint and creating the new one
- Cost/billing reports are still in progress
- Roles permissions still need to be done(like creating the client)
- Internal deadline for everything except testing: November 30th (8 days from now)
- Client needs to approve timesheets
- Went over Jira(assign some tasks as ongoing like creating the report UI)
- Merged Alex's branch to Zayd's on GitHub
- Discussed certain details such as the addition of the total hours and cleaning up code and whatnot

Zayd Ghazal Update, Future Plans, Blocks, Pull Request Summary:

Past week: The past week, I have worked on implementing the API calls for the report feature. There are multiple filters applicable to the reports, so I've created function calls to populate all the dropdowns on the client side. I've also made it so different roles will have different options in the dropdowns.

Next week: Next, I will be creating the queries that will be used to get all the data from the database. I will need to add the right role permissions for the queries as well. I will also need a lot more data to be able to test the queries.

Blocks: I don't really have major blocks on my side. I will probably have to work alongside Ilyas to help me with adding data to the database for the testing.

Commit:

<https://github.com/tempus-app/tempus/commit/f3e84d7d3a55aafb3ae0e070b49423beb5b81d5a>

Alexander Choukeir Update, Future Plans, Blocks, Pull Request Summary:

Past week: This past week I worked on finalizing the timesheet approval functionality, worked on the approval/rejection UI and the timesheet view UI. I also worked on adding the edit and delete functionality.

Next week: This week, I will be working on the ability to submit multiple timesheets at once and working on the second round of approval functionality.

Blocks: Currently, I do not have any major blockers.

Pull Request Summary: Add timesheet approvals, timesheet UI updates, and assign supervisor functionality. Add edit and delete functionality for timesheets.

Ilyas Hassan Update, Future Plans, Blocks, Pull Request Summary:

Past week: This past week I made progress on allowing users to generate reports and output it to a CSV file. I tested out ways to get it done and did research on how it can be done.

Next week: This next week, I plan to fix issues within the reports. Such as, making sure resources cannot see information related to cost in the report.

Blocks: Nothing blocking me at the moment

Hened Saade Update, Future Plans, Blocks, Pull Request Summary:

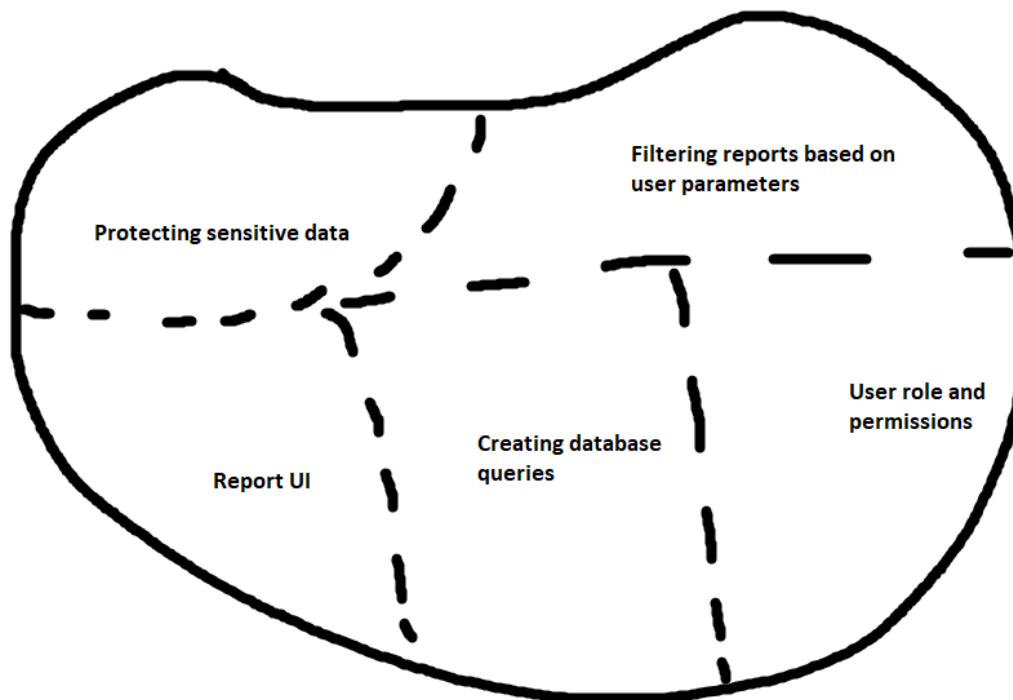
Past week: This past week, I finished the Validators for the hours input and worked on the Validation for the total hours and how to implement the Validators for multiple rows for different projects.

Next week: This week, I will be working on finalizing the Validators for multiple rows to make sure you can't have two rows for the same project.

Blocks: So far I do not have any blockers, just having to wait for the implementation of the rows before starting the implementation of the Validators for the rows.

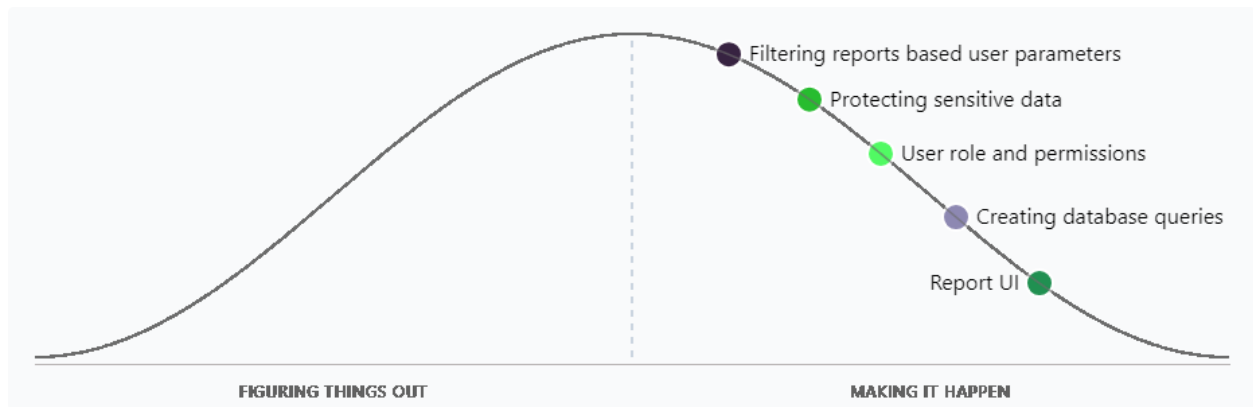
Pull Request Summary: No pull requests have been created as of date, once the rows are complete, I will create a PR.

Scope Map (remained the same as no new tasks were discovered and none were finished yet):



p:

Hill Chart:



Screenshots (if applicable):

Dropdown menu UI:

The screenshot displays a web application interface for generating reports. On the left is a sidebar with a user profile for Carey Runte (Supervisor) and a list of navigation items: Manage Resources, Pending Approvals, Projects, Timesheet Approvals, Reports (highlighted), Report Bugs, and Logout. The main content area is titled 'Reports' and contains five dropdown menus for filtering: Project (set to 'Project'), User (set to 'User'), Client (set to 'Client'), Month (set to 'Month'), and Year (set to 'Year'). Below these filters is a large blue button labeled 'GENERATE REPORT'. The footer shows the brand name 'Tempus'.

November 29th:

Meeting Minutes:

- Discussed progress with each team member
- Discussed what's left to do to finalize project before December 5th
- Discussed issues we have discovered in the application and things that need to be fixed
- Finalizing features and tasks to hand off the project to client
- Discussed presentation on the 5th of December
- Discussed displaying the report data directly on the report page vs only having the report be downloaded as a CSV file

Zayd Ghazal Update, Future Plans, Blocks, Pull Request Summary:

Past week: The past week, I finished querying the data for the timesheet reports. After that, I worked with Ilyas to help me output the data into a csv file. He worked on the downloading of the file so we had to work together. I created the data querying and he formatted the output data. We also had to create the client role. Clients didn't have their own roles so we added that so they will be able to log into the system and also download reports.

Next week: Next, I'll be doing some more intensive testing on the report feature. I'll also be making sure the client role cannot access any confidential information from the company since they are external users.

Blocks: So far, I have nothing blocking me.

Commit:

<https://github.com/tempus-app/tempus/commit/23d9a7c39563622f56ac178fea7d2ca2e0d78228>

Alexander Choukeir Update, Future Plans, Blocks, Pull Request Summary:

Past week: This past week I worked on the multi row timesheet table UI, the ability to submit multiple timesheets at once and worked on the second round of approval functionality.

Next week: This week, I will continue to work on the multi row timesheet table UI, the ability to submit multiple timesheets at once, and the second round of approval functionality. I will also be working on fixing and finalizing all front-end features.

Blocks: Currently, I do not have any major blockers.

Pull Request Summary: No pull requests were created just yet. Once I finish all my tasks, I will create a PR.

Ilyas Hassan Update, Future Plans, Blocks, Pull Request Summary:

Past week: Worked on making minor changes related to the reports. For example, making sure that resources aren't able to see cost information in the report, and outputting reports to CSV.

Next week: Continue work for the demo presentation. I plan to fix issues related to the reports. For example, adding timesheets which are in "Client Review" to the reports. Right now, the only timesheets that are included in the report are ones that have passed both supervisor review and client review. The client pointed out that as long as a supervisor has reviewed a timesheet, it can go directly in the reports.

Blocks: Nothing blocking me at the moment

Hened Saade Update, Future Plans, Blocks, Pull Request Summary:

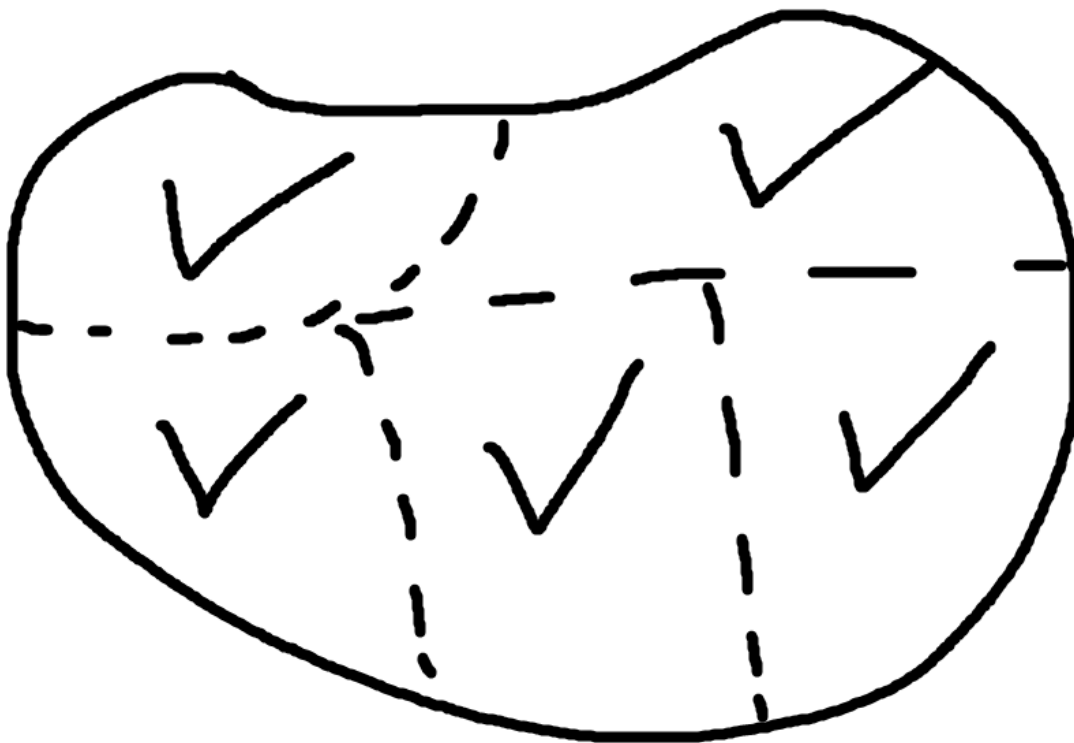
Past week: This past week, I worked on finalizing the Validators for multiple rows and for the total hours in both "Viewing" mode and "Creating New Timesheet" mode.

Next week: This week, I will be working on finishing up this last piece of code before being done with this feature as a whole.

Blocks: I had one blocker which was a personal technical issue. My computer had reset and wiped all of my files. Unfortunately, all of my progress was done locally and I did not push it to GitHub until it was fully functional. Therefore, I had to restart and implement my solution once more. I was able to restore part of it from my OneDrive but this put me behind in my progress.

Pull Request Summary: No pull requests have been created as of date, once I finish all my tasks, I will create a PR.

Scope Map (all major aspects of the report feature are now implemented):



Hill Chart (all tasks are on the furthest side since they are all complete):



Screenshots (if applicable):

Client Role:

The screenshot shows a web application interface for a client role. On the left is a sidebar with a user profile for Alexandre Zboncak, including a circular avatar with 'AZ', the name 'Alexandre Zboncak', email 'Alexandre_Zboncak@hotmail.com', and a 'Client' role tag. Below the profile are links for 'Primary View', 'My Views', 'My Projects', 'Personal Information', 'Timesheets', 'Report Bugs', and a 'Logout' button with a gear icon. The main content area has a header with 'INVITE' and 'ASSIGN' buttons, a search bar with 'Search...' text, and a 'FILTER' button. Below the header is a table with columns: 'Resource', 'Location', 'Assignment', 'Project', and 'Client'. The table is empty, and the text 'No Resources to Show' is displayed in the center. At the bottom right of the table area, there is pagination information: 'Items per page: 10', '0 of 0', and navigation arrows. The footer of the page shows the 'Tempus' logo.

Delivery

<https://github.com/tempus-app/tempus>

Screenshots and explanation of the feature:

Report Filters:

The screenshot displays the 'Reports' section of the Tempus application. On the left is a sidebar with the user's profile (Felix Langworth, Admin) and navigation links: Manage Resources, Pending Resource Approvals, Projects, Timesheet Approvals, Reports (highlighted), Report Bugs, and Logout. The main content area is titled 'Reports' and contains five dropdown filters: Client (set to 'Client'), Project (set to 'Project'), Resource (set to 'Resource: Angie Hand'), Month (set to 'Month: October'), and Year (set to 'Year: 2023'). At the bottom right of the filter section is a blue button labeled 'GENERATE REPORT'.

As you can see, the dropdowns are used to control the parameters for the report. This includes the: client, project, resource, month, and year.

When the “Generate Report” button is clicked, an excel spreadsheet (CSV file) will be downloaded for the user containing all the necessary data. If no timesheets matching the parameters set are found, an appropriate error message will be shown.

Here is an example of a report for an Admin showing all timesheets for a specific month:

	A	B	C	D	E	F	G	H	I
1	Client Name	Project Name	Resource Name	Timesheet Week	Hours Total	Cost Rate	Total Cost	Bill Rate	Total Bill
2	Bayer - Huel	Baht	Angie Hand	Sun Oct 08 2023	25	30	750	50	1250
3	Bayer - Huel	blue	Angie Hand	Sun Oct 15 2023	25	12	300	12	300
4	Bayer - Huel	Baht	Angie Hand	Sun Oct 22 2023	35	30	1050	50	1750
5	Bayer - Huel	Baht	Angie Hand	Sun Oct 29 2023	56	30	1680	50	2800
6	Bayer - Huel	Baht	Santina Lind	Sun Oct 29 2023	56	12	672	12	672
7	Bayer - Huel	Baht	Vicente Shields	Sun Oct 29 2023	40	12	480	12	480
8	Bruen Inc	XSS	Terry Gerlach	Sun Oct 01 2023	25	30	750	50	1250
9	Bruen Inc	XSS	Arlo Medhurst	Sun Oct 29 2023	56	12	672	12	672
10	Bruen Inc	XSS	Berenice Graham	Sun Oct 29 2023	53	12	636	12	636
11	Bruen Inc	XSS	Terry Gerlach	Sun Oct 29 2023	35	30	1050	50	1750
12	Bruen Inc	AGP	Mikel Sanford	Sun Oct 29 2023	25	30	750	50	1250
13	Bruen Inc	XSS	Obie Harvey	Sun Oct 29 2023	42	12	504	12	504
14	Bruen Inc	AGP	Velda Hamill	Sun Oct 29 2023	49	12	588	12	588
15	Roberts LLC	magnetic	Gayle Bode	Sun Oct 29 2023	42	12	504	12	504
16	Roberts LLC	magnetic	Mikel Sanford	Sun Oct 29 2023	35	12	420	12	420
17	Roberts LLC	magnetic	Vicente Shields	Sun Oct 29 2023	28	30	840	50	1400

This report includes all timesheets and details all of the cost and billing information. However, if a resource (a regular employee), tries to view a report. This is an example of what they will see:

	A	B	C	D	E
1	Client Name	Project Name	Resource Name	Timesheet Week	Hours Total
2	Bayer - Huel	Baht	Angie Hand	Sun Oct 08 2023	25
3	Bayer - Huel	blue	Angie Hand	Sun Oct 15 2023	25
4	Bayer - Huel	Baht	Angie Hand	Sun Oct 22 2023	35
5	Bayer - Huel	Baht	Angie Hand	Sun Oct 29 2023	56

As you can see, they are not shown any cost and billing information. Instead, they are shown their total hours worked for that week. And they can only view their own timesheet data.

Meanwhile, this is what the client report looks like:

	A	B	C	D	E	F	G
1	Client Name	Project Name	Resource Name	Timesheet Week	Hours Total	Bill Rate	Total Bill
2	Bayer - Huel	Baht	Angie Hand	Sun Oct 08 2023	25	50	1250
3	Bayer - Huel	Baht	Angie Hand	Sun Oct 22 2023	35	50	1750
4	Bayer - Huel	Baht	Angie Hand	Sun Oct 29 2023	56	50	2800
5	Bayer - Huel	Baht	Santina Lind	Sun Oct 29 2023	56	12	672
6	Bayer - Huel	Baht	Vicente Shields	Sun Oct 29 2023	40	12	480

As you can see, the client can only see timesheets related to their own projects. Also, they can only see the billing information, not the cost information.

Finally, the supervisor report looks like this:

	A	B	C	D	E	F	G
1	Client Name	Project Name	Resource Name	Timesheet Week	Hours Total	Cost Rate	Total Cost
2	Bruen Inc	XSS	Terry Gerlach	Sun Oct 01 2023	25	30	750
3	Bruen Inc	XSS	Arlo Medhurst	Sun Oct 29 2023	56	12	672
4	Bruen Inc	XSS	Terry Gerlach	Sun Oct 29 2023	35	30	1050
5	Bruen Inc	XSS	Obie Harvey	Sun Oct 29 2023	42	12	504
6	Bruen Inc	XSS	Berenice Graham	Sun Oct 29 2023	53	12	636
7	Bruen Inc	AGP	Mikel Sanford	Sun Oct 29 2023	25	30	750
8	Roberts LLC	magnetic	Gayle Bode	Sun Oct 29 2023	42	12	504
9	Roberts LLC	magnetic	Mikel Sanford	Sun Oct 29 2023	35	12	420
10	Bayer - Huel	Baht	Angie Hand	Sun Oct 08 2023	25	30	750
11	Bayer - Huel	Baht	Angie Hand	Sun Oct 22 2023	35	30	1050
12	Bayer - Huel	Baht	Santina Lind	Sun Oct 29 2023	56	12	672
13	Bayer - Huel	Baht	Angie Hand	Sun Oct 29 2023	56	30	1680

The supervisor can only see timesheets related to employees that they are assigned to. Also, they can only see the cost related information, not the billing.

Overall, we managed to complete the Cost and Billing Report feature during our 6 week cycle. The client was pleased with it when we showed it to him and we view it as a success. The code is available to view in our Github.