





















# Horizon Scheduling Board

Report Fri July 28<sup>th</sup> (reflect work July 26 – 27)

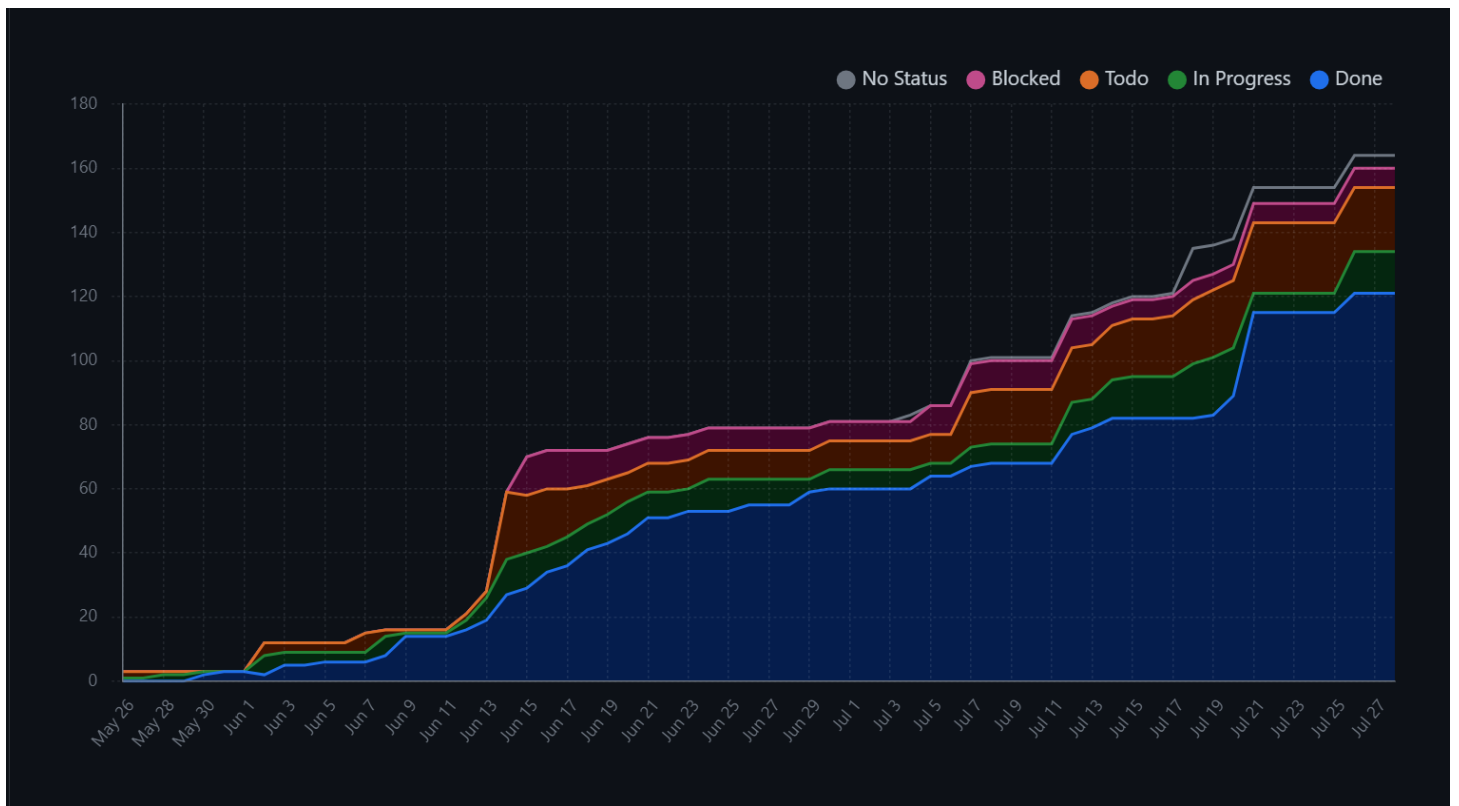
## Completed Tasks

132	 Refresh functionality - done :) #244		Done
133	 Refresh functionality and list #243	 JordoRob	Done
134	 Better message display #247	 Zecr	Done
135	 Bug fix custom sort editor #246	 Zecr	Done
136	 Sort filter state retention #242	 Zecr	Done

## In Progress

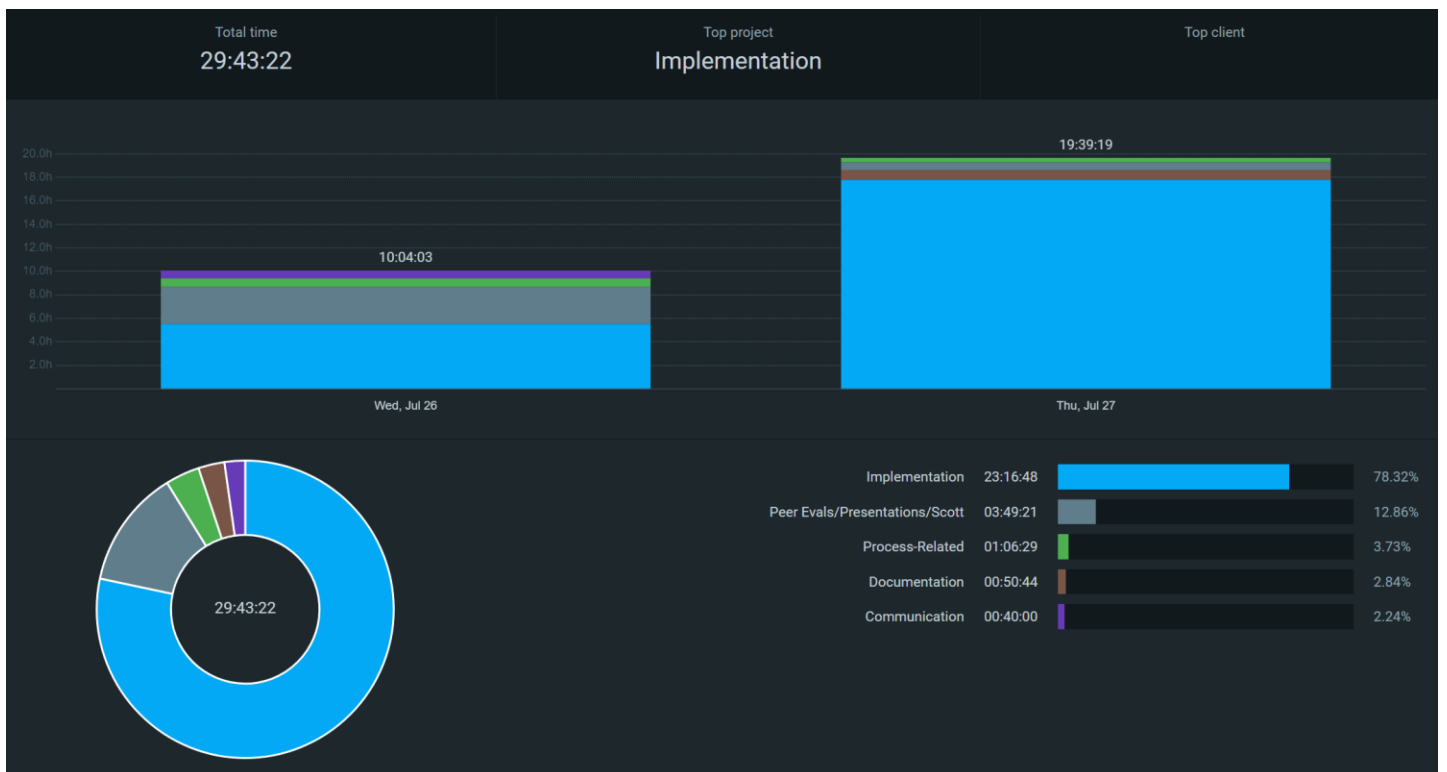
137	 Job Details Overlay Window - Styling #98	 JordoRob	In Progress
138	 Front end testing setup #250	 trtin1	In Progress
139	 Archive Employee Button #154	 Zecr	In Progress
140	 Delete employee Back-End Refactoring + Updates #253	 trtin1	In Progress
141	 Delete Employee Front End + Connect to backend #239	 trtin1	In Progress
142	 Show Archive Employee Date + Make Editable #200	 Zecr	In Progress
143	 History Screen - Crazy Query #261	 AdamFipke	In Progress
144	 History Screen #220	 AdamFipke and Jor...	In Progress
145	 Prompt Users with Temp Passwords to Change Password #213	 Zecr	In Progress
146	 Add superintendent role #144	 Zecr	In Progress
147	 Edit employee name #257	 Zecr	In Progress
148	 Account page finishing #259	 Zecr	In Progress
149	 Change static dropdown options to dynamically pull from ... #148	 Zecr	In Progress
150	 Recent password change prompt #262	 Zecr	In Progress

## Burnup



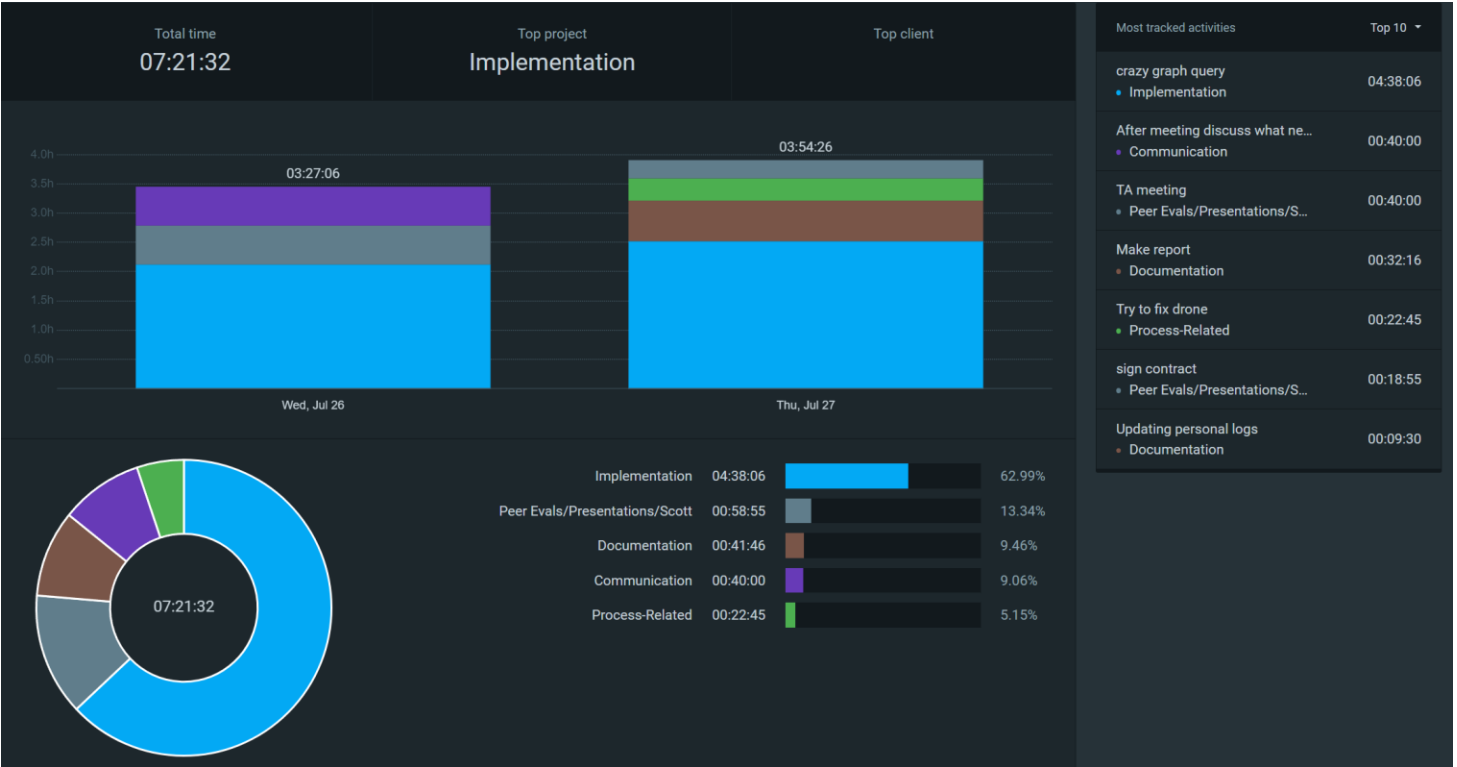
GitHub finally mostly fixed their stuff! The cliff is now visible! Though I will say the numbers are still a little off and the categories are still not updated, hopefully next week it'll be fixed!

## Time Summary



Team activities					
TEAM MEMBER	LATEST ACTIVITY		TOTAL TRACKED (JUL 26 - JUL 27)		
AD Adam	Make report • Documentation	00:01:09 In progress	07:21:32	<div><div></div></div>	
ED Edwin	IP Agreement read and accept • Peer Evals/Presentations/Scott	00:16:46 an hour ago	06:41:32	<div><div></div></div>	
YU Yuan	personal log • Documentation	00:05:32 2 hours ago	06:51:47	<div><div></div></div>	
JO Jordan	logs • Documentation	00:03:26 2 hours ago	03:41:59	<div><div></div></div>	
EZ Eddy Zhang	mannual backup and upload • Implementation	01:00:17 3 hours ago	05:06:32	<div><div></div></div>	

Adam



Overall let’s say 2 cards done

Fri July 27th

overall time spent: 4h

- Read over contract
- Finished making the crazy query
- Update personal logs
- create report

Wed July 26th

overall time spent: 3.5h

- TA meeting

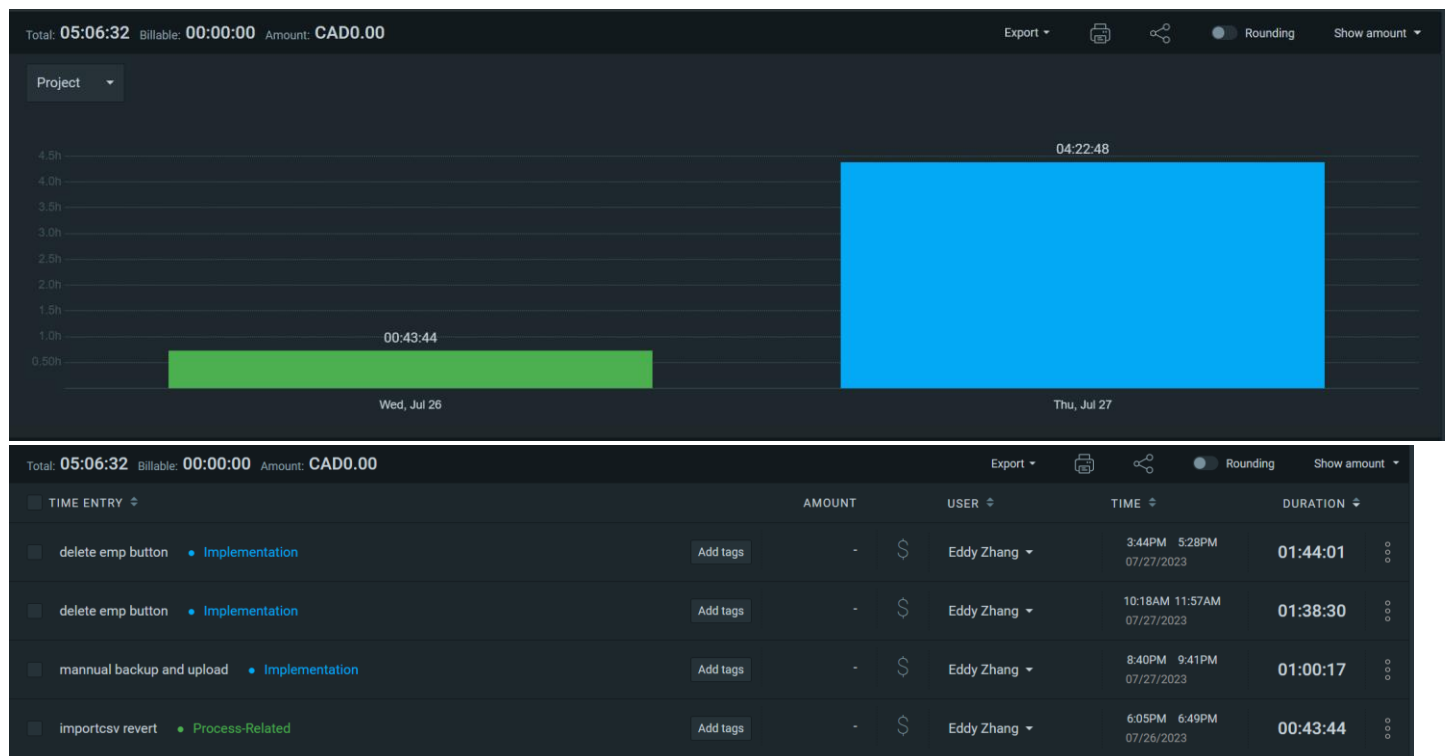
- After meeting discussions on what still needs to be done (delete emp and job, archive emp and job, superintendent, more) and how
- Started making a crazy query that will be used for charts with the following columns (jobid (can be set to a specific job), day (YYYY-MM-DD), actual\_emp\_count, predicted\_emp\_count, isOver (if actual > predicted), isBeforeStart, isAfterEnd, isNow)

## I Present: The Query

```
-- used to get a table that gives every date from start date to end date
WITH RECURSIVE cte AS (
  -- customize start date here (currently starting from today - 1 year)
  SELECT DATE_SUB(CURDATE(), INTERVAL 1 YEAR) AS idate
  UNION ALL
  SELECT DATE_ADD(idate, INTERVAL 1 day) AS idate FROM cte
  -- customize end date here (currently finishing at today + 1 year)
  WHERE DATE_ADD(idate, INTERVAL 1 day) <= DATE_ADD(CURDATE(), INTERVAL 1 YEAR)
)

SELECT job.title,
       idate,
       IF(idate > CURDATE(), NULL, COUNT(employee_id)) AS actual_emp_count,
       IFNULL(outlook.count, 0) AS predicted_emp_count,
       IF(COUNT(employee_id) >= IFNULL(outlook.count, 0), TRUE, FALSE) AS isOver,
       IF(job.start_date IS NULL, NULL, IF(EXTRACT(YEAR_MONTH FROM idate) < EXTRACT(YEAR_MONTH FROM
       job.start_date), TRUE, FALSE)) AS isBeforeStart,
       IF(job.end_date IS NULL, NULL, IF(EXTRACT(YEAR_MONTH FROM idate) > EXTRACT(YEAR_MONTH FROM
       job.end_date), TRUE, FALSE)) AS isAfterEnd,
       IF(idate = CURDATE(), TRUE, FALSE) AS isNow
  -- cte cross join job is basically the base table where every job gets every day attached to it
FROM cte CROSS JOIN job
  -- join outlook on only where the job_ids match and the months match (this should create a
  functional dependency, but CTEs don't have primary keys so mysql can't figure it out)
LEFT OUTER JOIN outlook ON (job.id = outlook.job_id AND EXTRACT(YEAR_MONTH FROM idate) =
EXTRACT(YEAR_MONTH FROM outlook.date))
  -- for the assignment to be joined, it must start after idate and before end date (or if
  assignments.end_date is null)
LEFT OUTER JOIN assignments ON (assignments.job_id = job.id AND idate >= assignments.start_date
AND IF(assignments.end_date IS NULL, TRUE, idate <= assignments.end_date))
  -- only really grouping by id and idate, outlook.count has a functional dependency but mysql can't
  see that
GROUP BY id, idate, outlook.count
ORDER BY id ASC, idate ASC
```

# Eddy



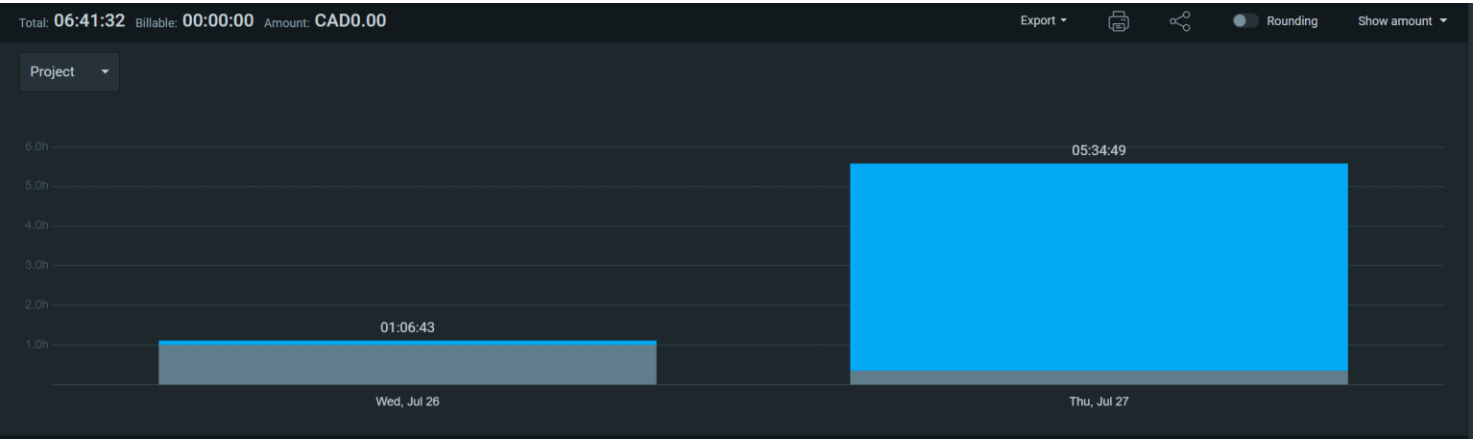
WED, JUL 26 - 40 min

- revert import csv commit
- readd reverted codes

THU, JUL 27, - 4.5 hr

- Delete employee frontedn
- Delete employee backend refactor
- Download backup

Edwin



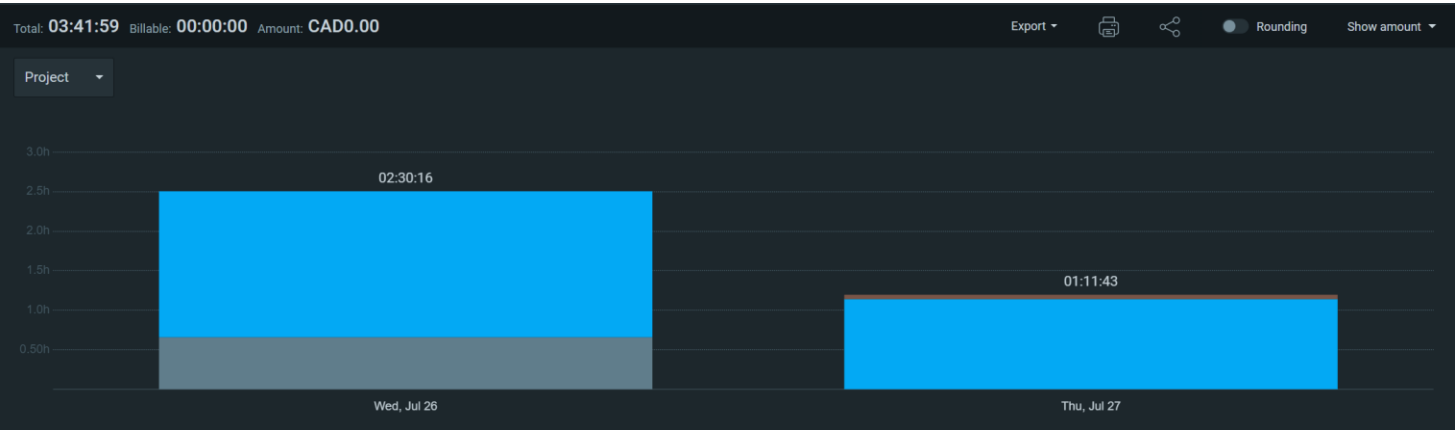
Total: 06:41:32 Billable: 00:00:00 Amount: CAD0.00

Export Print Share Rounding Show amount

TIME ENTRY	AMOUNT	USER	TIME	DURATION
<input type="checkbox"/> Archive emp button and edit archived date • Implementation <span>Add tags</span>	- \$	Edwin	3:02PM 5:03PM 07/27/2023	02:00:34
<input type="checkbox"/> Account page • Implementation <span>Add tags</span>	- \$	Edwin	8:36PM 10:29PM 07/27/2023	01:53:22
<input type="checkbox"/> Meeting • Peer Evals/Presentations/Scott <span>Add tags</span>	- \$	Edwin	9:50AM 10:50AM 07/26/2023	01:00:00
<input type="checkbox"/> Superintendent • Implementation <span>Add tags</span>	- \$	Edwin	2:07PM 3:02PM 07/27/2023	00:54:43
<input type="checkbox"/> Account page • Implementation <span>Add tags</span>	- \$	Edwin	7:57PM 8:22PM 07/27/2023	00:25:04
<input type="checkbox"/> IP Agreement read and accept • Peer Evals/Presentations/Scott <span>Add tags</span>	- \$	Edwin	10:36PM 10:53PM 07/27/2023	00:16:46
<input type="checkbox"/> Merge conflict resolution and merge • Implementation <span>Add tags</span>	- \$	Edwin	12:00AM 12:06AM 07/26/2023	00:06:43
<input type="checkbox"/> Update logs and cleanup • Peer Evals/Presentations/Scott <span>Add tags</span>	- \$	Edwin	10:29PM 10:33PM 07/27/2023	00:04:20

Meeting, merge conflicts	2023-07-26	67	1.116666667
Superintendent, archive, edit name & archive date, account page, force change password, styling, etc.	2023-07-27	320	5.333333333

Jordan



Total: 03:41:59

Billable: 00:00:00

Amount: CAD0.00

Export

☒ Rounding

Show amount

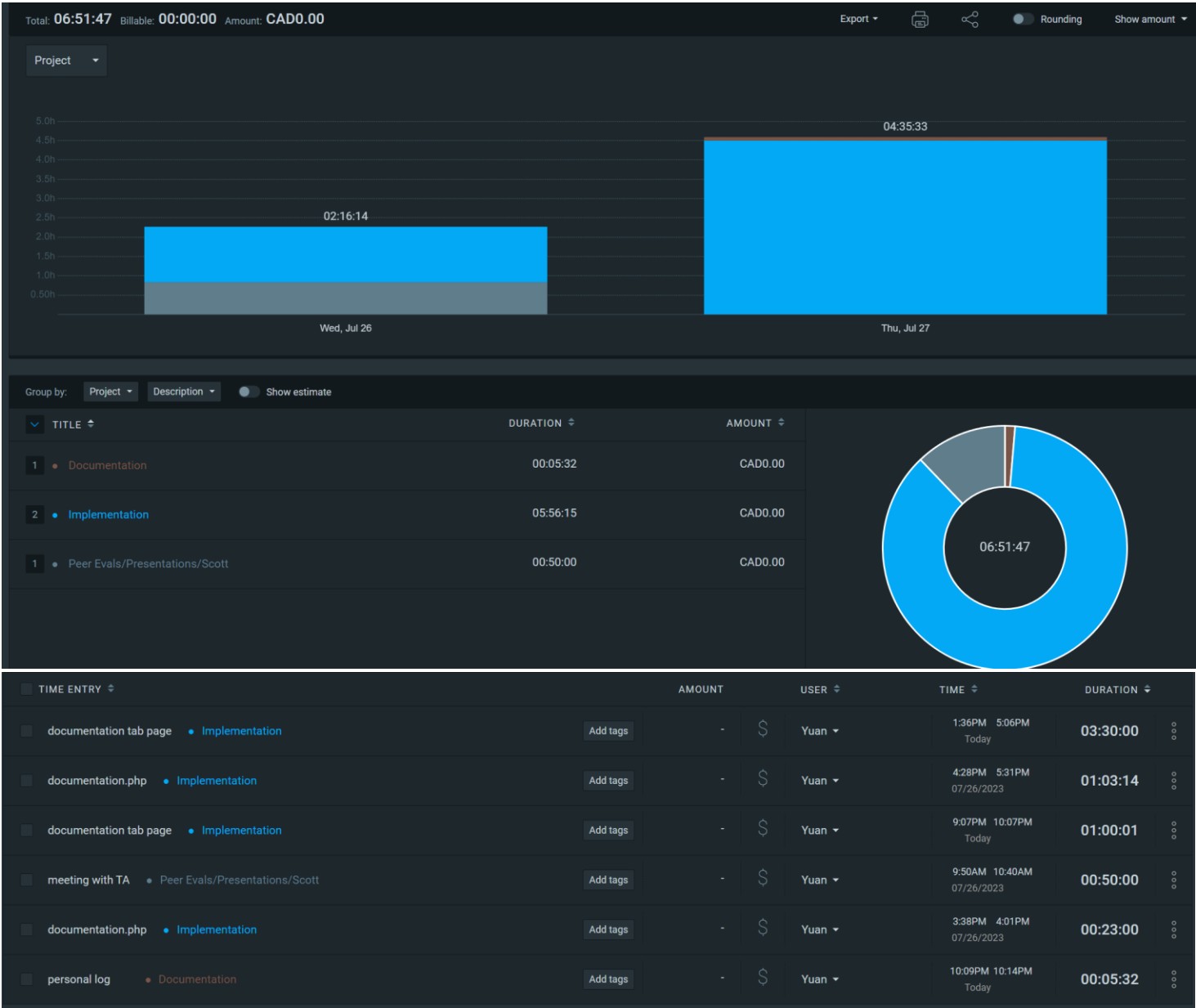
TIME ENTRY			AMOUNT		USER	TIME	DURATION	
<input type="checkbox"/> Overlay stuff	<div><div>Implementation</div></div>	<div>Add tags</div>	-	\$	Jordan	<div>8:51PM 9:59PM</div> <div>Today</div>	01:08:17	<div></div>
<input type="checkbox"/> Job Overlay	<div><div>Implementation</div></div>	<div>Add tags</div>	-	\$	Jordan	<div>12:01AM 1:02AM</div> <div>07/26/2023</div>	01:00:47	<div></div>
<input type="checkbox"/> Meeting	<div><div>Peer Evals/Presentations/Scott</div></div>	<div>Add tags</div>	-	\$	Jordan	<div>9:50AM 10:29AM</div> <div>07/26/2023</div>	00:39:20	<div></div>
<input type="checkbox"/> Overlay stuff	<div><div>Implementation</div></div>	<div>Add tags</div>	-	\$	Jordan	<div>3:37PM 4:06PM</div> <div>07/26/2023</div>	00:29:07	<div></div>
<input type="checkbox"/> Overlay stuff	<div><div>Implementation</div></div>	<div>Add tags</div>	-	\$	Jordan	<div>6:25PM 6:46PM</div> <div>07/26/2023</div>	00:21:02	<div></div>
<input type="checkbox"/> logs	<div><div>Documentation</div></div>	<div>Add tags</div>	-	\$	Jordan	<div>9:59PM 10:03PM</div> <div>Today</div>	00:03:26	<div></div>

Jul 26 2h 30m

- Job overlay additions
  - 1h 50m
- Meeting
  - 40m

Jul 27 1h 25m

- Job overlay additions
  - 1h 10m
- This
  - 15m



Wednesday, July 26, 2023

- meeting with TA - 0.75h
- documentation tab - 1.5h

Thursday, July 27, 2023

- documentation tab - 4.5h
- personal log - 0.15h