Reflection Report

Reception Management dashboard for y WeDeliverTECH™ company

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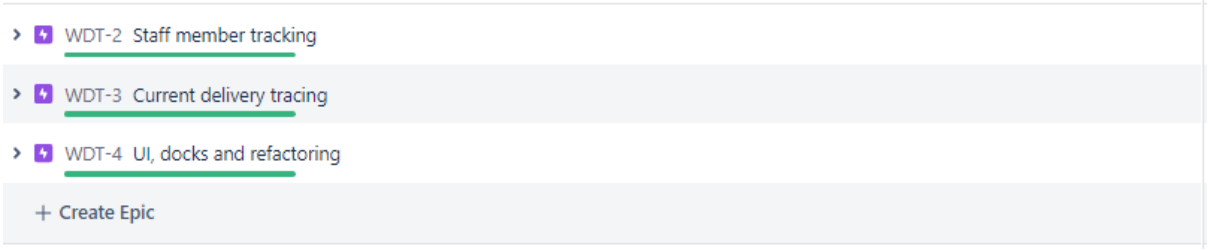
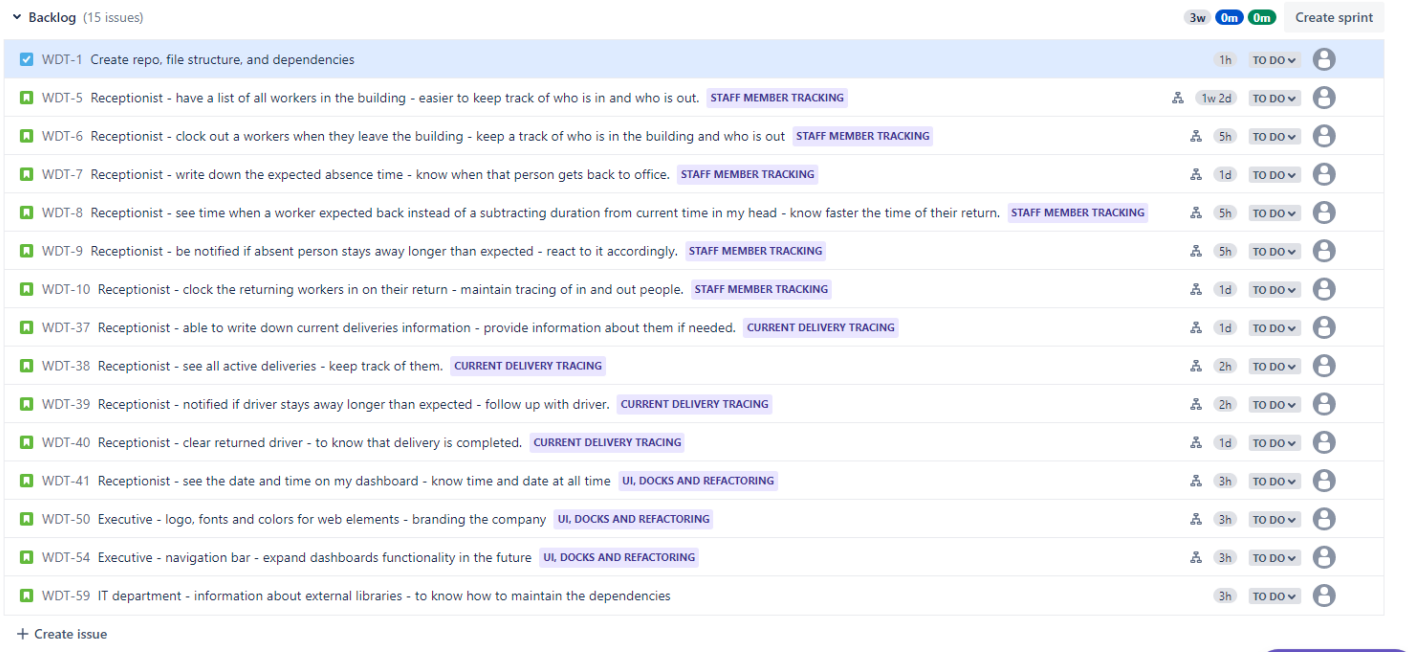
18.12.2022

Epics



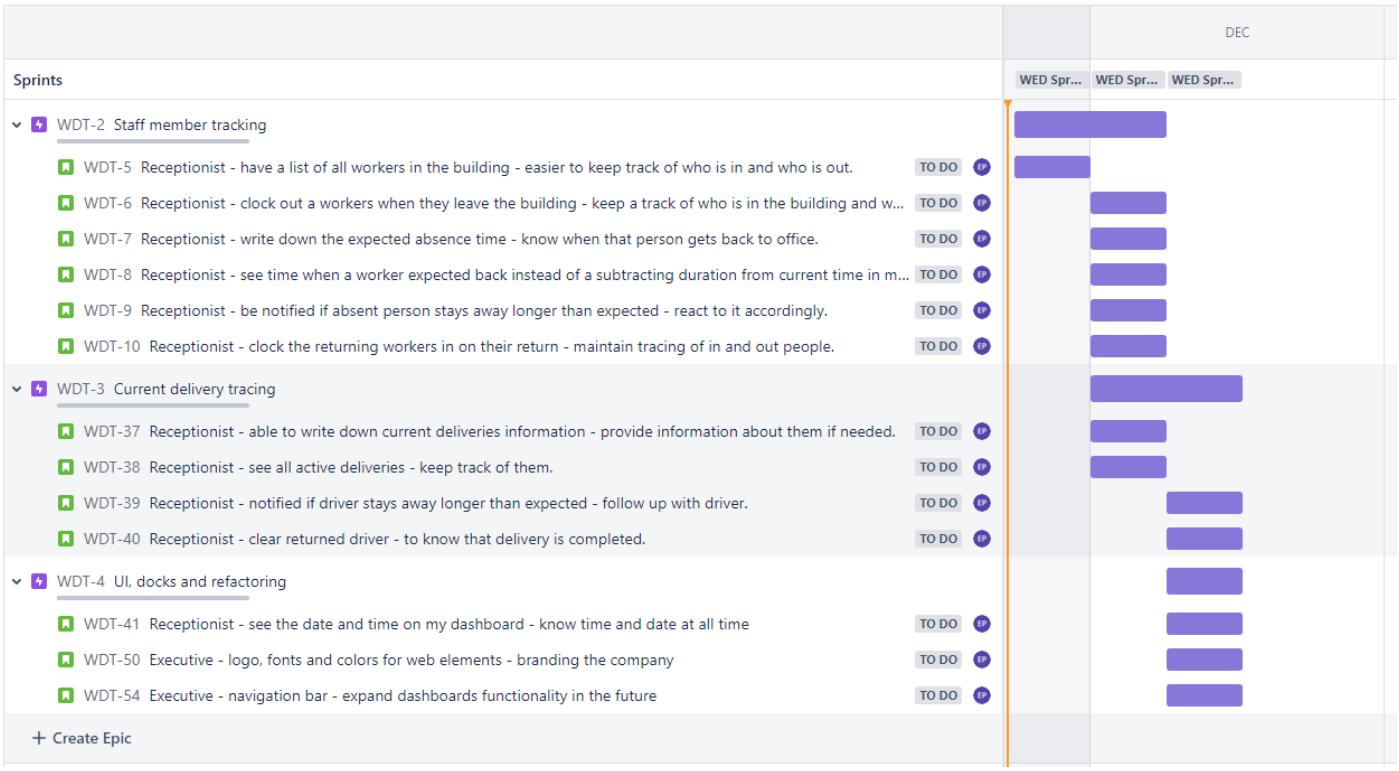
Company had 4 needs, 2 first were main functionalities of the web app and last two were esthetics and clock. Two first, based on complexity, were natural to have each as its own epic, last two are not similar by nature, but because of the size, they were put together under one epic.

Backlog and issues



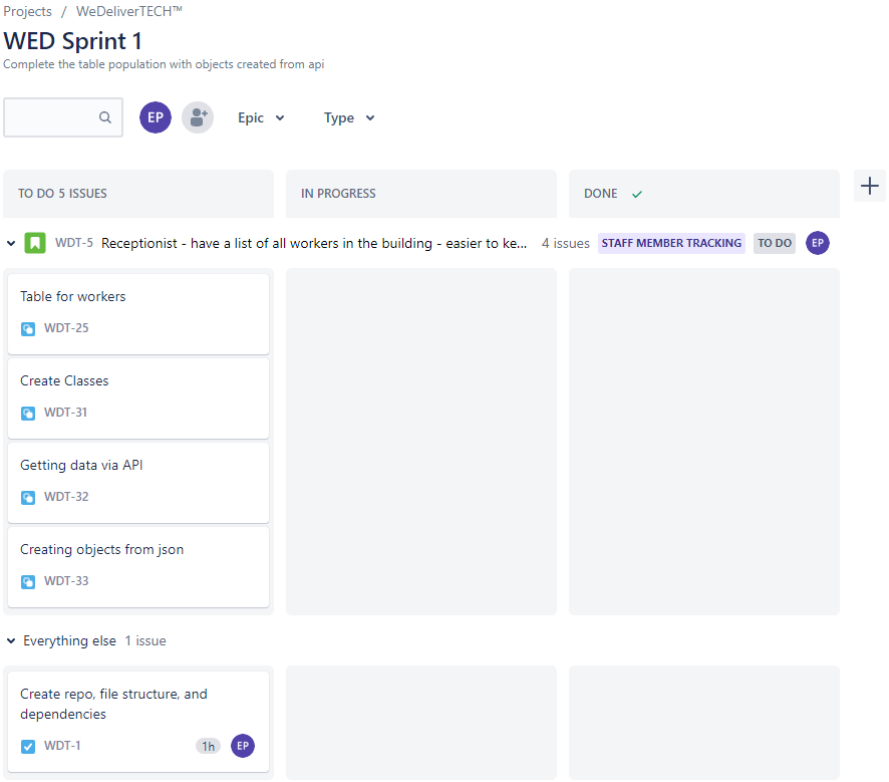
All the user stories that could be found in the company needs were converted to issues, then all the issues were divided between corresponding epics.

Roadmap and sprints



Initially I created 3 sprints, one for each epic.

Board



Under each issue, I crated subtask with time estimates.

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Burnup report

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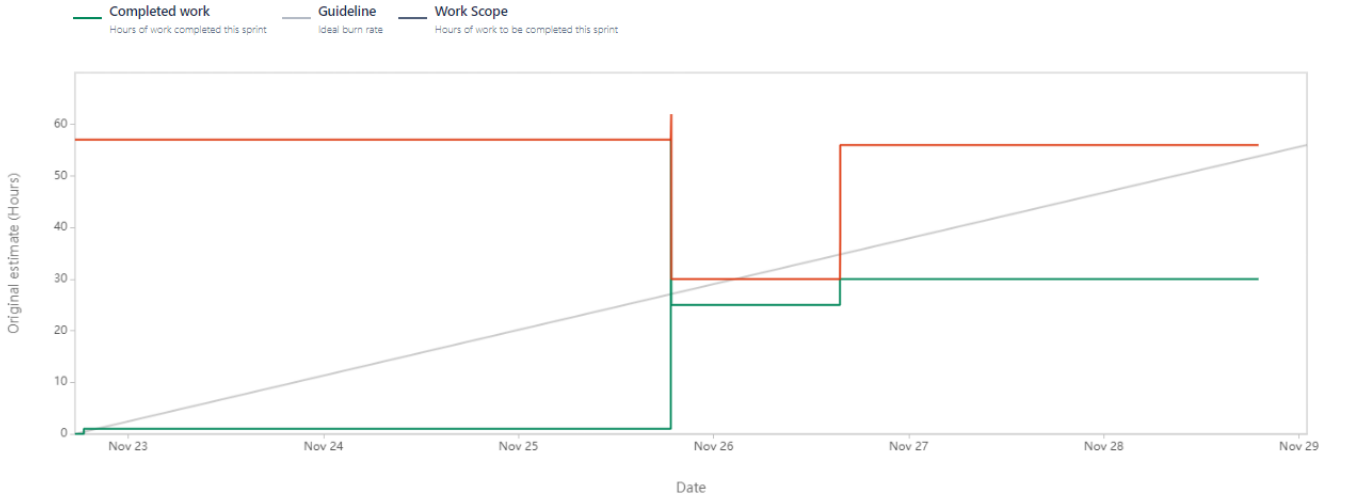
Sprint: WED Sprint 1 | Estimation field: Time

Date - November 23rd, 2022 - November 30th, 2022

Sprint goal - Complete the table population with objects created from api



Date	Event	Issue	Completed	Scope
Wed, Nov 23 2022, 4:26pm	Sprint started	WDT-1 Create repo, file structure, and dependencies WDT-5 Receptionist - have a list of all workers in the building - easier to keep track of who is in and who is out.	0m	1w 2d 1h
Wed, Nov 23 2022, 5:33pm	Issue completed	WDT-1 Create repo, file structure, and dependencies	0m → 1h	1w 2d 1h
Sat, Nov 26 2022, 5:44pm	Issue completed	WDT-5 Receptionist - have a list of all workers in the building - easier to keep track of who is in and who is out.	1h → 1w 2d 1h	1w 2d 1h
Sat, Nov 26 2022, 5:48pm	Added to sprint	WDT-6 Receptionist - clock out a workers when they leave the building - keep a track of who is in the building and who is out	1w 2d 1h	1w 2d 1h → 1w 2d 6h
Sat, Nov 26 2022, 5:49pm	Estimate updated	WDT-5 Receptionist - have a list of all workers in the building - easier to keep track of who is in and who is out.	1w 2d 1h → 3d 1h	1w 2d 6h → 3d 6h
Sun, Nov 27 2022, 2:33pm	Issue completed	WDT-6 Receptionist - clock out a workers when they leave the building - keep a track of who is in the building and who is out	3d 1h → 3d 6h	3d 6h
Sun, Nov 27 2022, 2:34pm	Added to sprint	WDT-7 Receptionist - write down the expected absence time - know when that person gets back to office.	3d 6h	3d 6h → 4d 6h
Sun, Nov 27 2022, 2:34pm	Added to sprint	WDT-8 Receptionist - see time when a worker expected back instead of a subtracting duration from current time in my head - know faster the time of their return.	3d 6h	4d 6h → 1w 3h
Sun, Nov 27 2022, 2:34pm	Added to sprint	WDT-9 Receptionist - be notified if absent person stays away longer than expected - react to it accordingly.	3d 6h	1w 3h → 1w 1d
Sun, Nov 27 2022, 2:35pm	Added to sprint	WDT-10 Receptionist - clock the returning workers in on their return - maintain tracing of in and out people.	3d 6h	1w 1d → 1w 2d
Tue, Nov 29 2022, 6:02pm	Sprint completed	WDT-1 Create repo, file structure, and dependencies WDT-5 Receptionist - have a list of all workers in the building - easier to keep track of who is in and who is out. WDT-6 Receptionist - clock out a workers when they leave the building - keep a track of who is in the building and who is out WDT-7 Receptionist - write down the expected absence time - know when that person gets back to office. WDT-8 Receptionist - see time when a worker expected back instead of a subtracting duration from current time in my head - know faster the time of their return. WDT-9 Receptionist - be notified if absent person stays away longer than expected - react to it accordingly. WDT-10 Receptionist - clock the returning workers in on their return - maintain tracing of in and out people.	3d 6h	1w 2d

Soon after starting with the first sprint and writing some code, I realized that my initial idea of how I'm going to build this app and my time estimates were completely wrong.

As a one-man scrum team, I did some adjustments. I kept the subtask as they were (some remained irrelevant) -just adjusting they time estimates and moved some of the issues (user stories) from later sprints up to earlier ones (reduced sprints from 3 to 2).

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Burnup report

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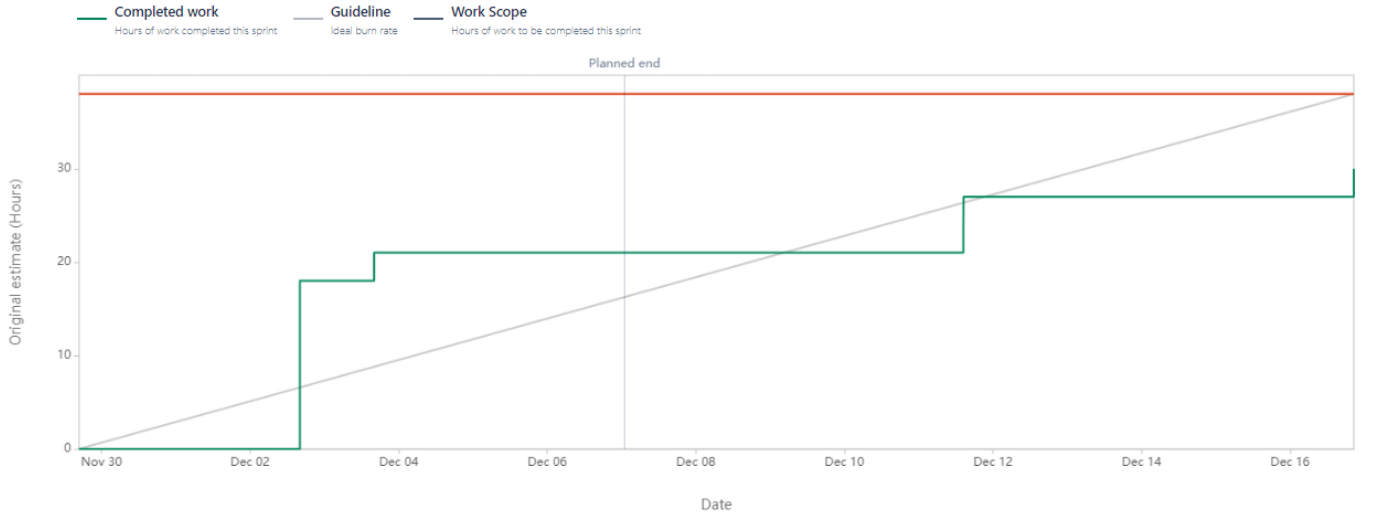
Sprint: WED Sprint 2

Estimation field: Time

Date - November 30th, 2022 - December 8th, 2022

Sprint goal - Complete all functionalities for worker tracing and start on the delivery part



Date	Event	Issue	Completed	Scope
Wed, Nov 30 2022, 3:43pm	Sprint started	WDT-37 Receptionist - able to write down current deliveries information - provide information about them if needed. WDT-38 Receptionist - see all active deliveries - keep track of them. WDT-39 Receptionist - notified if driver stays away longer than expected - follow up with driver. WDT-40 Receptionist - clear returned driver - to know that delivery is completed. WDT-41 Receptionist - see the date and time on my dashboard - know time and date at all time WDT-50 Executive - logo, fonts and colors for web elements - branding the company WDT-54 Executive - navigation bar - expand dashboards functionality in the future WDT-59 IT department - information about external libraries - to know how to maintain the dependencies	0m	4d 6h
Sat, Dec 03 2022, 3:03pm	Issue completed	WDT-38 Receptionist - see all active deliveries - keep track of them.	0m → 2h	4d 6h
Sat, Dec 03 2022, 3:03pm	Issue completed	WDT-39 Receptionist - notified if driver stays away longer than expected - follow up with driver.	2h → 1d 2h	4d 6h
Sat, Dec 03 2022, 3:05pm	Issue completed	WDT-40 Receptionist - clear returned driver - to know that delivery is completed.	1d 2h → 2d 2h	4d 6h
Sun, Dec 04 2022, 3:02pm	Issue completed	WDT-41 Receptionist - see the date and time on my dashboard - know time and date at all time	2d 2h → 2d 5h	4d 6h
Mon, Dec 12 2022, 1:29pm	Issue completed	WDT-54 Executive - navigation bar - expand dashboards functionality in the future	2d 5h → 3d	4d 6h
Mon, Dec 12 2022, 1:31pm	Issue completed	WDT-50 Executive - logo, fonts and colors for web elements - branding the company	3d → 3d 3h	4d 6h
Sat, Dec 17 2022, 7:34pm	Issue completed	WDT-59 IT department - information about external libraries - to know how to maintain the dependencies	3d 3h → 3d 6h	4d 6h
Sat, Dec 17 2022, 7:35pm	Sprint completed	WDT-37 Receptionist - able to write down current deliveries information - provide information about them if needed. WDT-38 Receptionist - see all active deliveries - keep track of them. WDT-39 Receptionist - notified if driver stays away longer than expected - follow up with driver. WDT-40 Receptionist - clear returned driver - to know that delivery is completed. WDT-41 Receptionist - see the date and time on my dashboard - know time and date at all time WDT-50 Executive - logo, fonts and colors for web elements - branding the company WDT-54 Executive - navigation bar - expand dashboards functionality in the future WDT-59 IT department - information about external libraries - to know how to maintain the dependencies	3d 6h	4d 6h

After adjustments, all than last issue in the last sprint were completed in time. Unforeseen privet matter caused the brake in working on the project, resulting in that the last issue in last sprint were not completed in time. Returning to the project after sprints due time was the reason that last sprint was completed after intended time.

Summary

Not being able to see whole application in advance in my head, I started by doing some pseudo code and solving simple tasks. As I searched for solutions and got code working, I came over new problems that weren't considered or foreseen when I created the issues in Jira.

The more code I written, more new issues appeared that I couldn't foresee, luckily almost all of them weren't complicated enough that a simple google search or js/jquery/bootstrap documentation couldn't help to solve. It did cause a bit chaotic commit history in gilt repo, but I feel confident that with every practical exercise I'm getting better to pre-solve issues and foresee how each issue depends on or effect related functionality and/or the system as whole.

Some of the worth mentioning challenges I had building the app was related to "isLate" functions.

By OOP principles it should a part of class method. Concentrating on getting it to work for a app user, I went for having those as a separate functions as I initially concluded that it should be solved with setTimeout() (for staff - I did later thought to use loop that checks for status and compares current time to return time, but wouldn't been able to try it out in time or give it more thought which approach is more or less resource demanding).
One of the challenges with that was "how to control the multiple timeouts" – this were solved by reading up on setTimout() – that every setTimeout() have unique ID you can target when you want to clear specific timeout.

Next issue that caused me some headache was adding the digital clock to the app. Initially adding the clock caused the severe delays in "isLate" toasts. This send me to a rabbit hole of going in dept on js event loops and trying out writing clock function in different ways (for example in plain js without using moment.js) – solution to this issue was to change out setInterval() with setTimeout().

One minor challenge was how to keep the connection between objects in arrays and in the html table, that was simply solved by adding unique id -s to objects and pass them as id -s to corresponding table row in html.