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Toopairs/2.0

Velocity

For this report, we will be focusing on Sprints 3, 4, and 5 since we discussed Sprints 1 and 2 in Metrics 1. While these are the reports generated by JIRA, the points committed are inaccurate, particularly for Sprint 3 and 5. Disclaimer: I am incredibly confused as to how JIRA generated the story point numbers on this overall velocity graph since they do not at all reflect the story point numbers they show for linked individual velocity graphs.

Overall Velocity (Inaccurate)
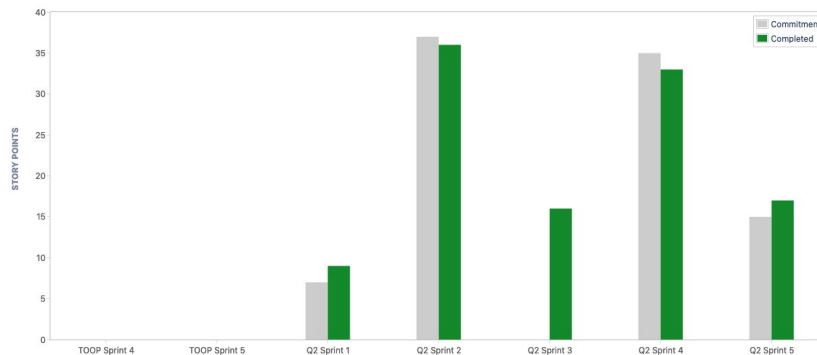
Sprint	Commitment	Completed
TOOP Sprint 4	0	0
TOOP Sprint 5	0	0
Q2 Sprint 1	7	9
Q2 Sprint 2	37	36
Q2 Sprint 3	0	16
Q2 Sprint 4	35	33
Q2 Sprint 5	15	17

Points scored
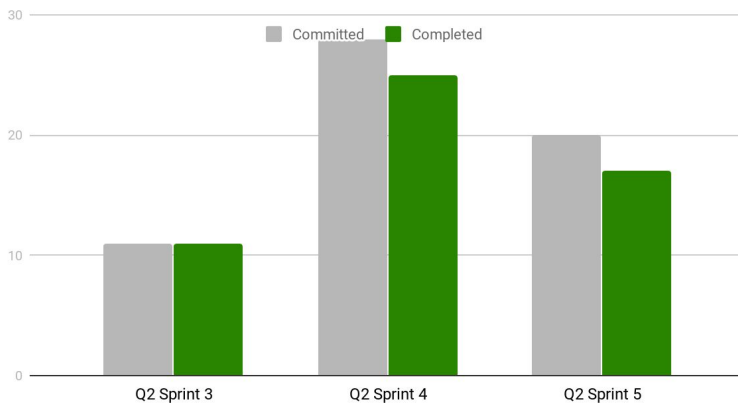
Sprint	Committed	Completed
Q2 Sprint 3:	11	11
Q2 Sprint 3:	28	25
Q2 Sprint 3:	20	17

Overall Velocity (Accurate)

Sprint 3: 11 points committed, 11 points completed (100% completion)

Completed Issues   View in Issue navigator

Key	Summary	Issue Type	Priority	Status	Story Points (11)
TOOP-182 *	(Back button) As a user, I want a back button, so that I can quickly and clearly return to the page I was on before view property.	Story	Medium	DONE	1
TOOP-191 *	40% Coverage Unit/Integration Testing Frontend (3pt) - shoot for 50%	Task	Medium	DONE	-
TOOP-192 *	75% Coverage Unit Testing API (2pt) - shoot for 100%	Task	Medium	DONE	-
TOOP-193 *	Linter Frontend (started already)	Task	Medium	DONE	-
TOOP-194 *	Linter Backend	Task	Medium	DONE	-
TOOP-195 *	Error Messages for UI Forms	Task	Medium	STAGED	-
TOOP-196 *	Login Error Messages: As a user of Homepairs, I want to be alerted if and why my login credentials are invalid, so that I can quickly and clearly correct them and easily recognize if I've properly logged in or not. (2pt)	Story	Medium	STAGED	2
TOOP-197 *	Property Create/Edit Error Messages: As a property manager, I want to be alerted if and why my new property credentials are invalid, so that I can quickly and clearly correct them and easily recognize if I've properly logged in or not. (2pt)	Story	Medium	STAGED	2
TOOP-198 *	Property Create/Edit Error Messages: As a property manager, I want to be alerted if and why my new property credentials are invalid, so that I can quickly and clearly correct them and easily recognize if I've properly logged in or not. (2pt)	Story	Medium	STAGED	2
TOOP-199 *	Token Auth: As a user of Homepairs, I want to be able to maintain my login session if I close the application or open a second instance of it, so that I can clearly know if I'm logged in or not. (3pt)	Story	Medium	STAGED	3
TOOP-200 *	Roopairs property sync (ticket)	Task	Medium	DONE	-
TOOP-201 *	Frontend Merging Tenant Homepage (ticket)	Task	Medium	STAGED	-
TOOP-203 *	Merge CI (frontend and backend) into development branch	Task	Medium	STAGED	-
TOOP-204 *	View Appliances (start, DB only): As a user, I can view the details of appliances for a property, and optionally by room, so that I can easily locate and sort appliances that might need repair. (1pt)	Story	Medium	STAGED	1

Sprint 4: 28 points committed, 25 points completed (89% completion)

Completed Issues   View in Issue navigator

Key	Summary	Issue Type	Priority	Status	Story Points (25)
TOOP-205	As a Property Manager, I can select a property and create a create a tenant for that property (Front End)	Story	Medium	DONE	2
TOOP-206	Create Tenant (Back end)	Story	Medium	DONE	2
TOOP-207	As a Property Manager, I can edit a tenant assigned to a property. (Front End)	Story	Medium	DONE	2
TOOP-208	Edit Tenant (BackEnd)	Story	Medium	DONE	2
TOOP-209	As a Property Manager, I can select a tenant assigned to a property and remove them from that property. (BackEnd)	Story	Medium	STAGED	2
TOOP-211	As a Property Manager, I can select a property and create a new appliance for that property. (Front End)	Story	Medium	DONE	2
TOOP-212	Create Appliance (Back End)	Story	Medium	DONE	2
TOOP-213	As a Property Manager, I can select a property and edit an appliance for that property (Front End)	Story	Medium	DONE	2
TOOP-214	Edit Appliance (back end)	Story	Medium	DONE	2
TOOP-216	Delete Appliance (back end)	Story	Medium	DONE	2
TOOP-217	Error messages from Backend (Front End)	Story	Medium	DONE	2
TOOP-219	Testing (front end)	Task	Medium	DONE	-
TOOP-220	Testing (back end)	Task	Medium	DONE	-
TOOP-221 *	Edit Property: Changing Address to Pre-existing Property Causes Deadlock	Bug	Medium	DONE	-
TOOP-223 *	Primary Contact Component: As a tenant, I can see the primary contact information for my property manager so that I am easily informed and up to date on how to contact them.	Story	Medium	DONE	2
TOOP-224 *	Service Requests Component (UI only): As a user, I can see the number and status of service requests for a property, so that I can easily recognize if issues have been reported, recognized, and addressed.	Story	Medium	DONE	1

Issues Not Completed   View in Issue navigator

Key	Summary	Issue Type	Priority	Status	Story Points (3)
TOOP-218	Storing property Id and token (front end)	Story	Medium		3

Sprint 5: 20 points committed, 17 points completed (85% completion)

Completed Issues   View in Issue navigator

Key	Summary	Issue Type	Priority	Status	Story Points (12 → 17)
TOOP-218	Storing property Id and token (front end)	Story	Medium	DONE	3
TOOP-225	Service Provider CRUD (Backend only): As a property manager, I can manage a list of my favorite service providers, so that I don't have to check Roopairs / can rehire my favorite providers.	Story	Medium	DONE	2 → 3
TOOP-227	View Service Request Details (Frontend): As a property manager, I can view the details of a service request, so that I know the specifics of that service request	Story	Medium	DONE	2
TOOP-228	View Service Requests By Property (Backend): As a property manager, I can view my current service requests by property, so that I know what needs to be dealt with	Story	Medium	DONE	3
TOOP-229	Service Request Details CRUD (Backend): As a property manager, I can manage the details of a service request, so that I know the specifics of that service request	Story	Medium	DONE	2 → 3
TOOP-231	Get Heroku Back up (backend)	Task	Medium	DONE	-
TOOP-232	Send address to make the google formatted address.	Task	Medium	DONE	-
TOOP-233 *	React-router-native Web Navigation: As a user, I can put in a URL of appropriate format, and be navigated to the right page	Story	Medium	DONE	- → 3

Issues Not Completed   View in Issue navigator

Key	Summary	Issue Type	Priority	Status	Story Points (3)
TOOP-222	Navigation Header Not Properly Navigating Backwards.	Bug	High		-
TOOP-226	View Service Requests By Property (Frontend): As a property manager, I can view my current service requests by property, so that I know what needs to be dealt with	Story	Medium	IN PROGRESS	3
TOOP-234 *	Take advantage of class based views (backend)	Task	Medium	IN PROGRESS	-

Sprint 3 had a rather low velocity of 5.5 points per week (11 points completed / 2 weeks). This was primarily attributed to learning and setting up tests for previous code as well as a lot of other finishing touches and cleaning up from the last sprint. So although this velocity seems low, that is primarily because a lot of the work done involved tasks rather than stories. Additionally, because sprint 2 had been our first big sprint, with a lot of unfinished work involving testing, it makes sense that the velocity for this sprint wasn't that high (it may be more accurate to judge Sprint 2 and 3 with a combined velocity since they had so much overlapping work). Therefore, it makes sense that Sprint 3's velocity is low, and this isn't necessarily a bad thing.

Sprint 4 & 5 were one week sprints with velocities of 25 points per week and 17 points per week respectively. The improved velocity makes a lot of sense considering we were more proficient and had established our development environment by this point. Sprint 4 and 5 were destined to be "catchup sprints" anyhow, to try to accelerate development to keep development on schedule with our goals. Considering Sprint 4 was so intense, it made sense that we slowed down a bit by Sprint 5. These fast-paced 1 week sprints were not a stable means of developing long term. This is reflected not only in lower velocity, but also completion dropping from 89% to 85%. This is a good sign that we're doing well since we have gotten better and were able to catch up with our schedule with success.

It is interesting to note that completion wasn't 100% when we were at our higher velocity. That is to say, when we're getting more done we do not necessarily get everything done. We did a good job of avoiding higher point stories these sprints, as we learned from Metrics 1. The stories that weren't completed were 3 points, the highest we had. Unfortunately, complex issues are unavoidable. So 80-90% completion, having one higher value story perhaps not be completed, makes sense. For 100% completion, it would likely be best to go back to two week sprints, since you don't always have enough time to tackle complex issues in one week. Additionally, to avoid future rushed "catchup sprints", it is likely a good idea to plan our backlog out further, as well as perhaps aim for 20-25 points per sprint (velocity of 10-12.5 per sprint). This seems like a good rate for securing 100% completion and a pace that would be easy to consistently maintain, and we could always work ahead if all committed tasks were completed.