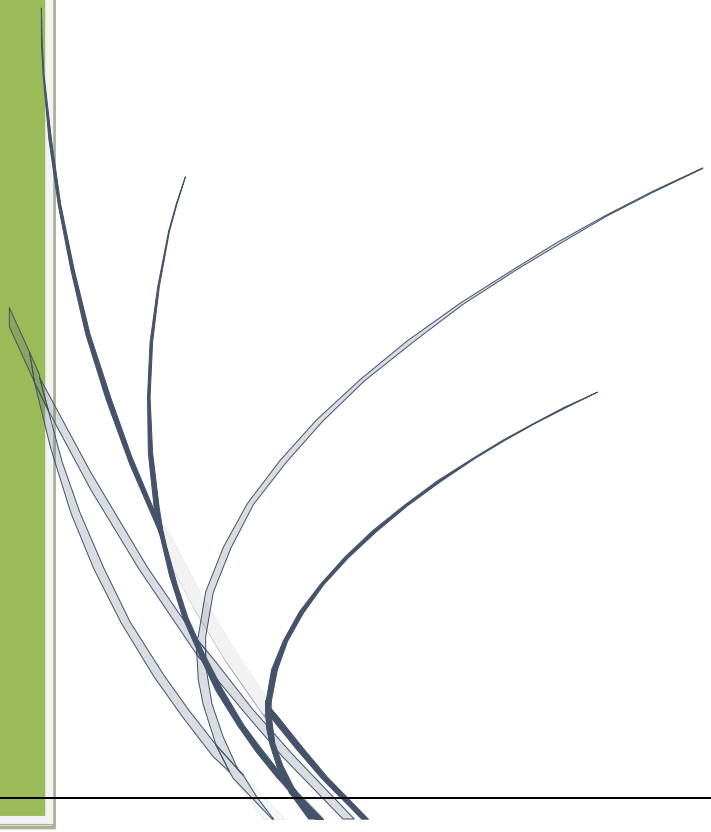
IBM

SPRINT 1 REPORT

SMARTFARMER – IOT ENABLED
SMART FARMING APPLICATION



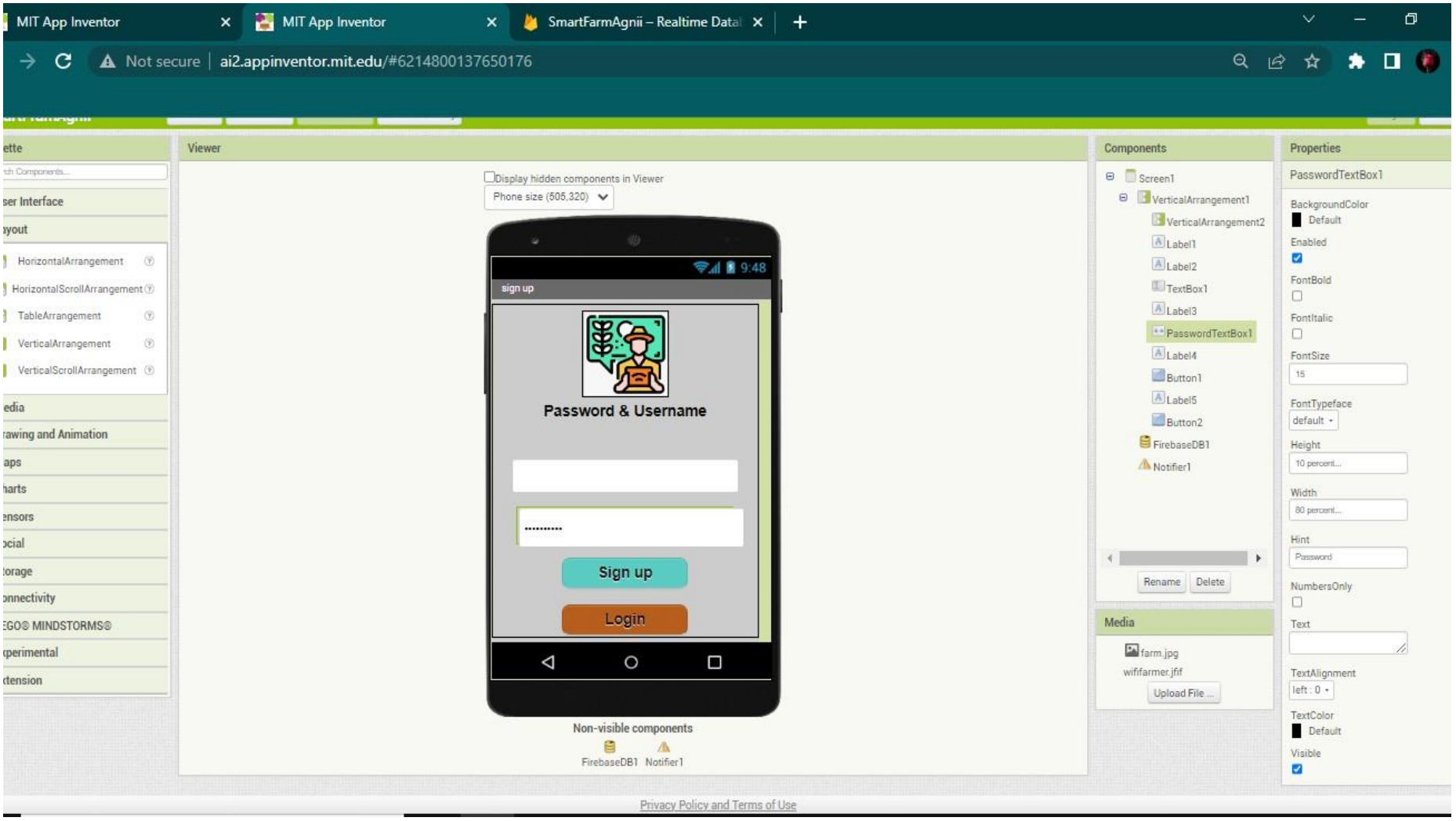
TEAM ID – PNT2022TMID38289

- **TEAM LEADER : NIRMAL KUMAR A**
- **TEAM MEMBER : ARUN KUMAR G**
- **TEAM MEMBER : DHYANESHWARI G**
- **TEAM MEMBER : RAJI R**

Project Tracker

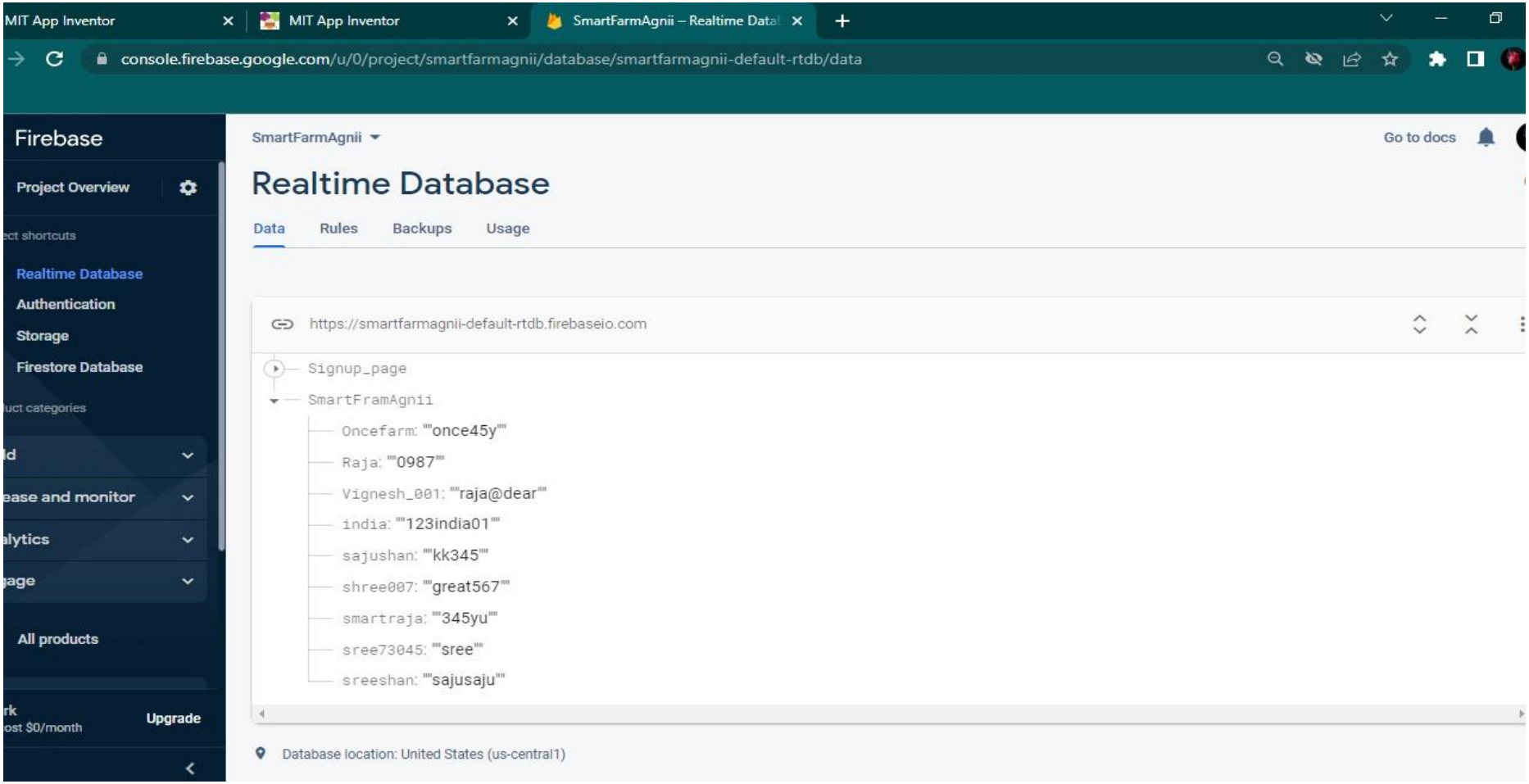
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	15	5 Days	26 Oct 2022	30 Oct 2022	15	30 Oct 2022
Sprint-2	15	7 Days	31 Oct 2022	06 Nov 2022		07 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022		13 Nov 2022
Sprint-4	15	6 Days	13 Nov 2022	18 Nov 2022		18 Nov 2022 – 19 Nov 2022

Login Screen Creation



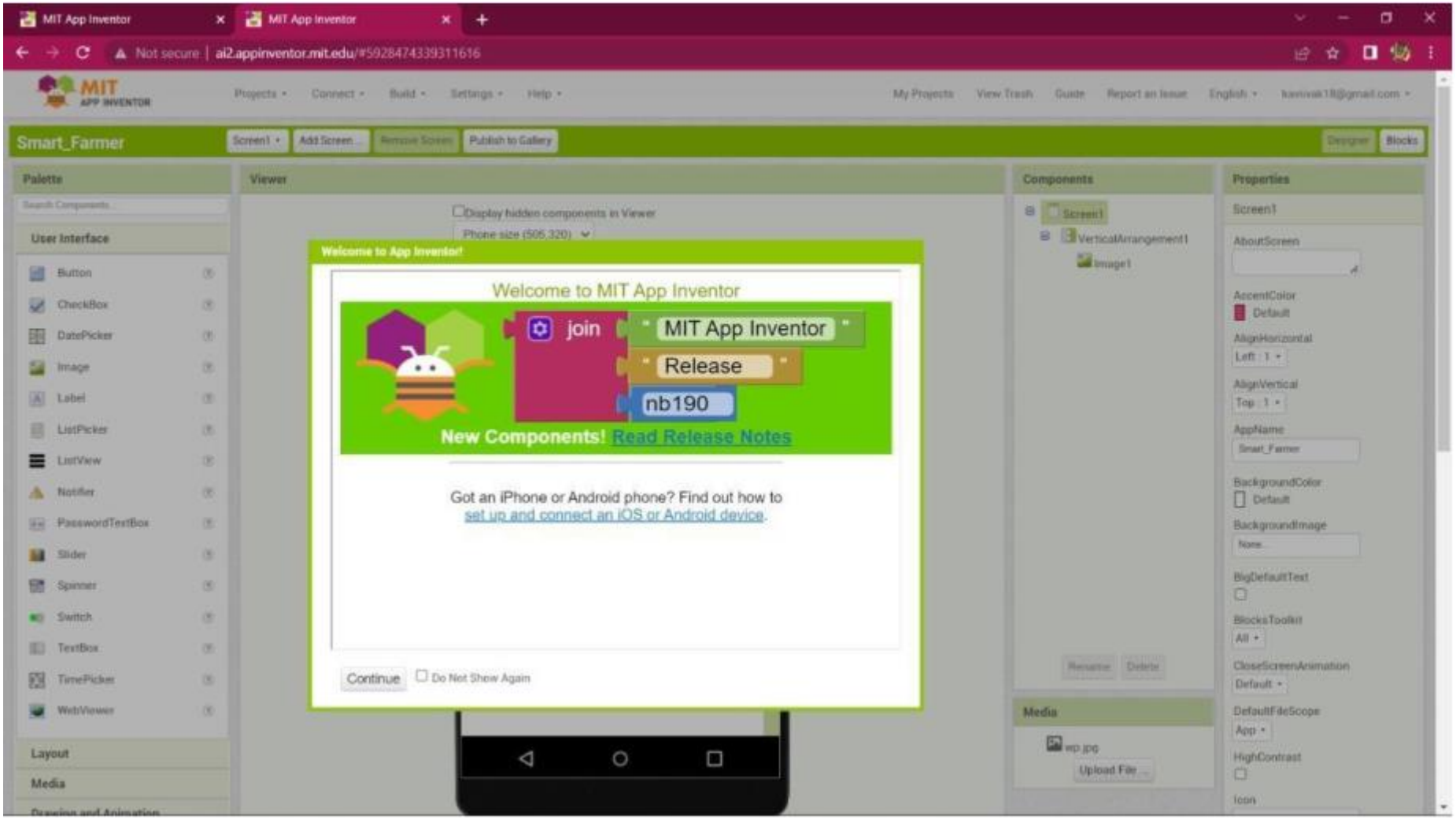
User Account Creation & Testing

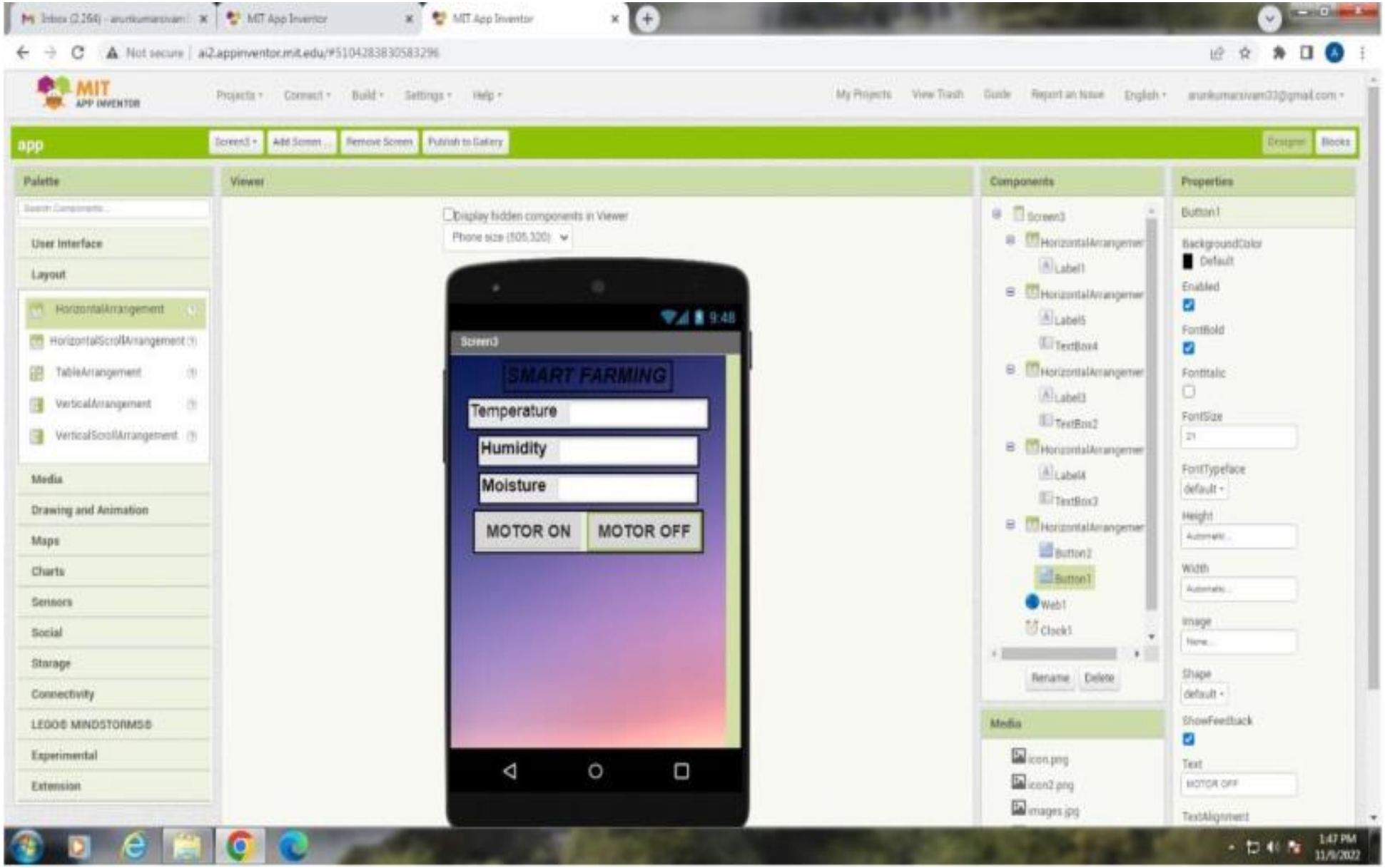
We created nearly 10 accounts for testing and login purposes. During testing we found that our app is working correctly.



S.NO	Tools & Technology Used
1	MIT App Inventor – For Creating Application
2	Firebase – Used as a Database for user credentials
3	Manual Testing – Apps are tested manually

Application in Mobile




MIT App Inventor
app
Palette
Viewer
Components
Properties
Screen3
SMART FARMING
Temperature
Humidity
Moisture
MOTOR ON
MOTOR OFF

Roadmap

Give feedback | Share | Export

Status category

	OCT						NOV							NOV							NO
	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1
Sprints		SFDP Sprint 1																						
Releases																								
SFDP-1 This Epic is to accomplish user s...																								
SFDP-2 This Epic is to accomplish user s...																								
SFDP-3 This Epic is to create a dashboar...																								
SFDP-4 This Epic is to accomplish the lo...																								
SFDP-5 This Epic is to accomplish to sol...																								
SFDP-6 This Epic is to accomplish to sol...																								
SFDP-7 This Epic is to accomplish to sol...																								
SFDP-8 This Epic is to accomplish the c...																								
SFDP-9 This Epic is to accomplish to ap...																								
+ Create Epic																								

Today | Weeks | Months | Quarters

Backlog

Share

Search backlog

N A R D

Only My Issues | Recently Updated

Insights

VERSIONS

EPICS

SFDP Sprint 2 5 issues

Start sprint

Add dates

View linked pages

N A R D

Least Devices and Better Output	IoT Device Setup	D	SFDP-18	2
Graphical / Pictorial Representantion for app and web ui	Dashboard	N	SFDP-15	3
Low cost setup	IoT Device Setup	A	SFDP-19	2
Single Widget Representation	Dashboard	R	SFDP-16	5
Organised widget section	Dashboard	S	SFDP-14	3

+ Create issue

5 issues Estimate 15

+ Create issue

5 issues Estimate 15

SFDP Sprint 3 5 issues

Add dates

View linked pages

Multiple sensors in setup	IoT Device Setup	SFDP-20		2
Manual guide creation for application	User Problems	SFDP-21		3
Solution to the Queries	Query Clarification	SFDP-24		4
Query form in the application	User Problems	SFDP-23		2
Provide commands through application	Application	SFDP-29		4

+ Create issue

5 issues Estimate 15

SFDP Sprint 4 4 issues

Add dates

View linked pages

Only Authorised person access	Particular Access	SFDP-27	4
Testing the application in multiple android platform and ensures the working	User Problems	SFDP-22	3
Testing the hardware setup and ensure the working	Connection with IoT De...	SFDP-28	4
Agricultural Notes	Application	SFDP-30	4

+ Create issue

4 issues Estimate 15

Backlog 0 issues

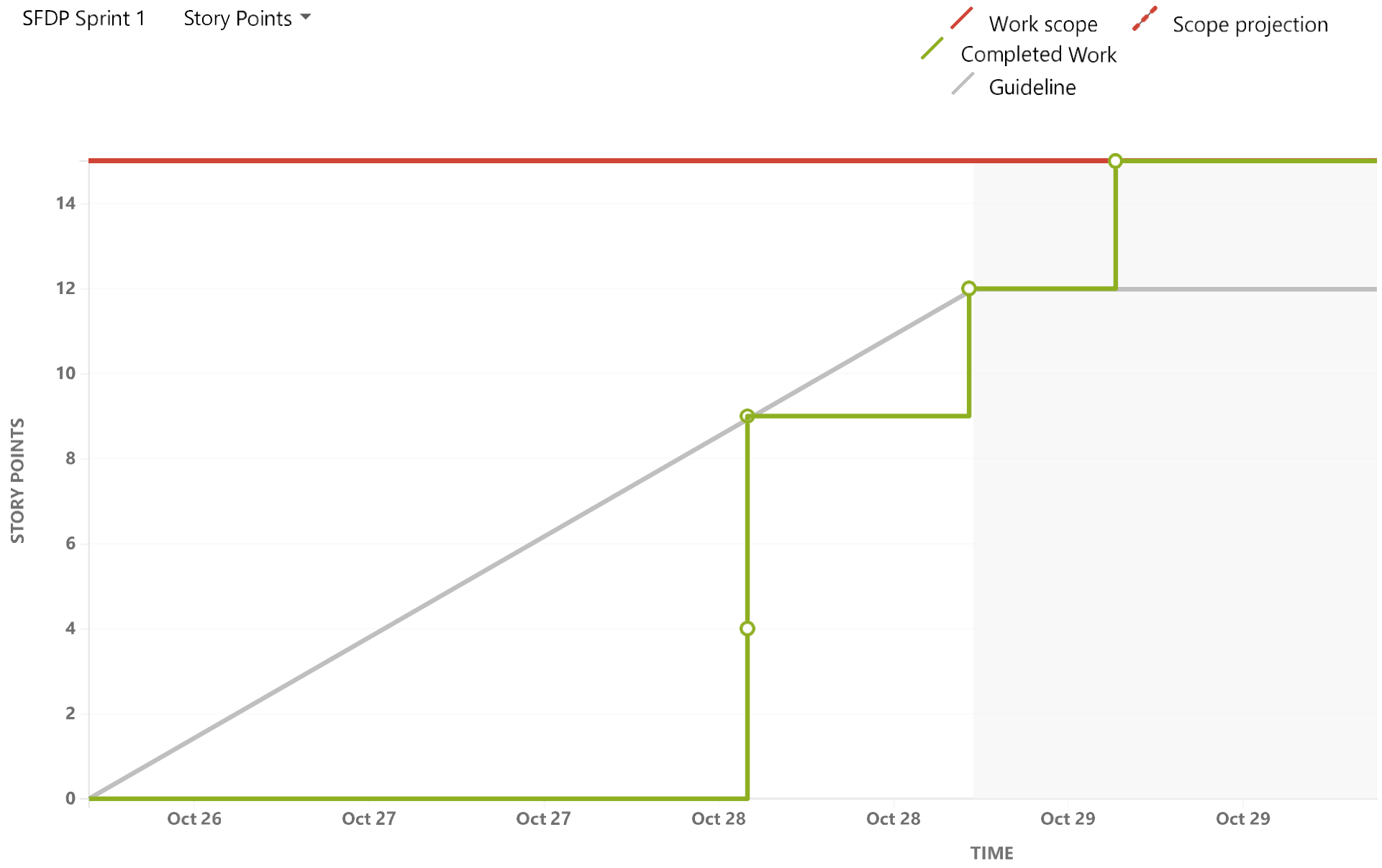
Create sprint

Your backlog is empty.

+ Create issue

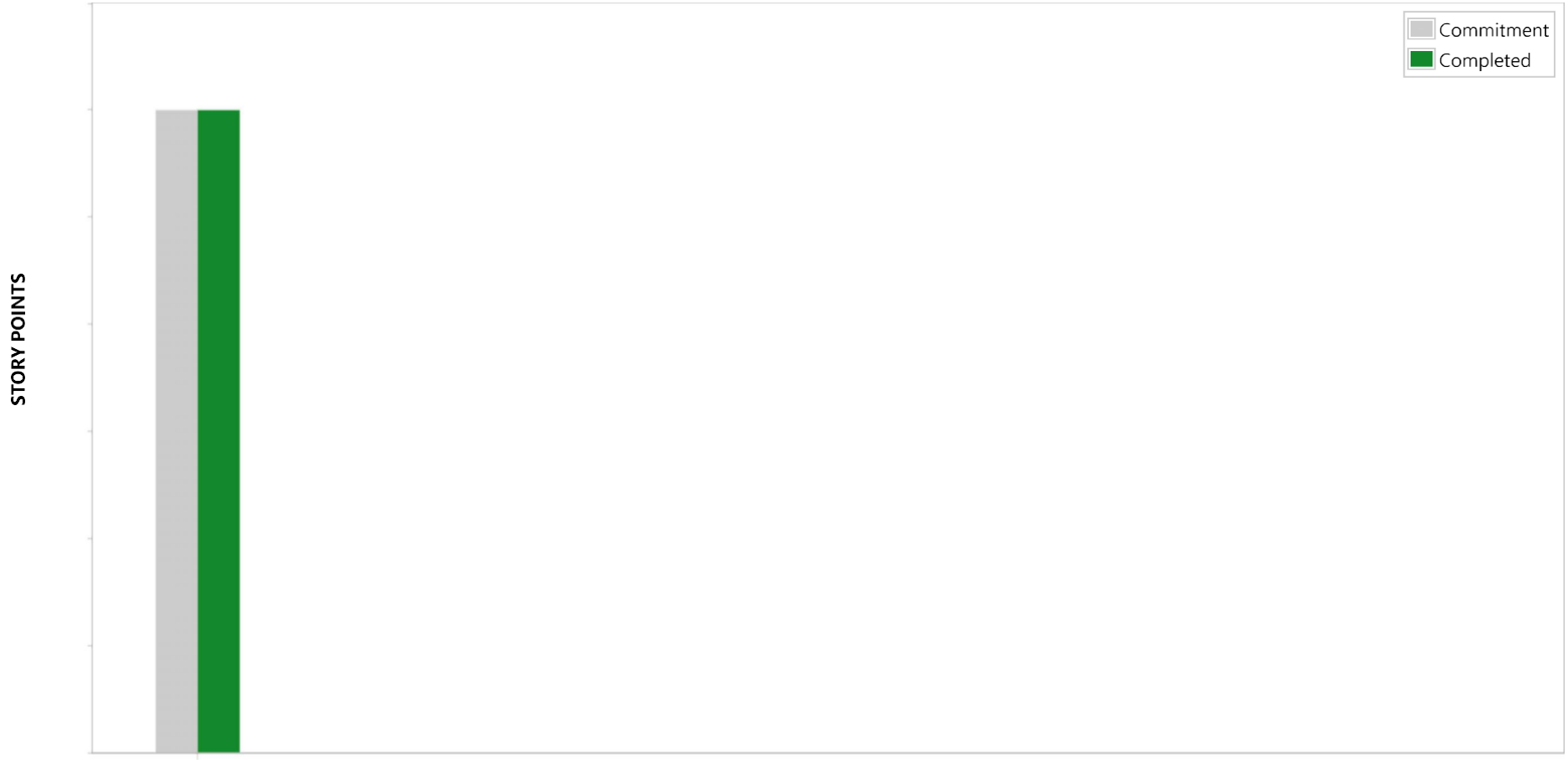
Burnup Chart

SFDP Sprint 1 Story Points



Date	Event Type	Issue	Completed Work	Work scope
26/Oct/22 11:16 AM	Sprint started	SFDP-10 Creation of Login page in Application SFDP-11 Developing Logic for Sign in and Sign Up and Database Integration SFDP-12 Testing the created sign in and sign up page in our app and ensure the working of the app SFDP-13 User can log into application by entering the email and password	0	15
28/Oct/22 8:28 AM	Issue completed	SFDP-10 Creation of Login page in Application	0 → 4	15
28/Oct/22 8:28 AM	Issue completed	SFDP-11 Developing Logic for Sign in and Sign Up and Database Integration	4 → 9	15
28/Oct/22 11:41 PM	Issue completed	SFDP-12 Testing the created sign in and sign up page in our app and ensure the working of the app	9 → 12	15
29/Oct/22 9:44 AM	Issue completed	SFDP-13 User can log into application by entering the email and password	12 → 15	15
31/Oct/22 3:17 PM	Sprint finished	SFDP-10 Creation of Login page in Application SFDP-11 Developing Logic for Sign in and Sign Up and Database Integration SFDP-12 Testing the created sign in and sign up page in our app and ensure the working of the app SFDP-13 User can log into application by entering the email and password	15	15

Velocity Chart



Sprint	Commitment	Completed
SFDP Sprint 1	15	15

Epic Burndown

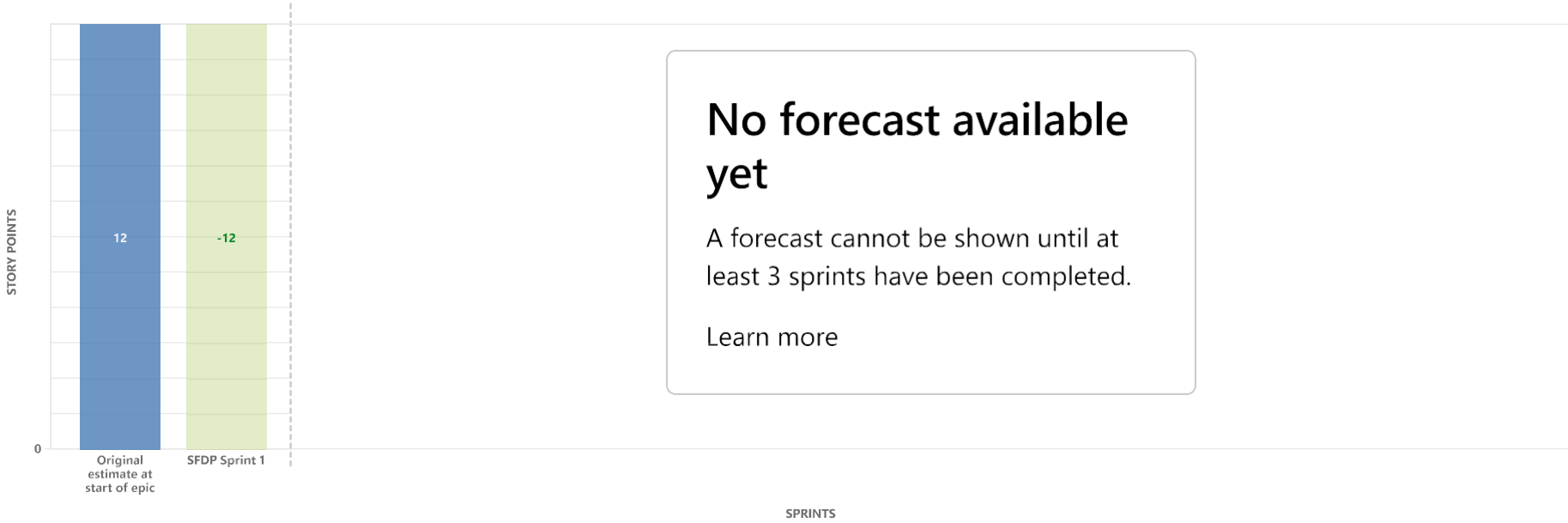
SFDP-1: Registration

View linked pages

0% unestimated issues

12 of 12 completed (story points)

Work completed
Work remaining
Work forecast
Work added



No forecast available yet

A forecast cannot be shown until at least 3 sprints have been completed.

Learn more

Viewing options

Align sprints at the base of the chart

Use this view to see trends in the scope for the epic.

Epic

SFDP-1 This Epic is to accomplish user should able to register in our app

Completed Issues

SFDP Sprint 1 26/Oct/22 - 31/Oct/22

View in Issue Navigator

Key	Summary	Issue Type	Priority	Status	Story Points (12)
SFDP-10	Creation of Login page in Application	Story	Highest	DONE	4
SFDP-11	Developing Logic for Sign in and Sign Up and Database Integration	Story	Highest	DONE	5
SFDP-12	Testing the created sign in and sign up page in our app and ensure the working of the app	Story	High	DONE	3

Epic Burndown

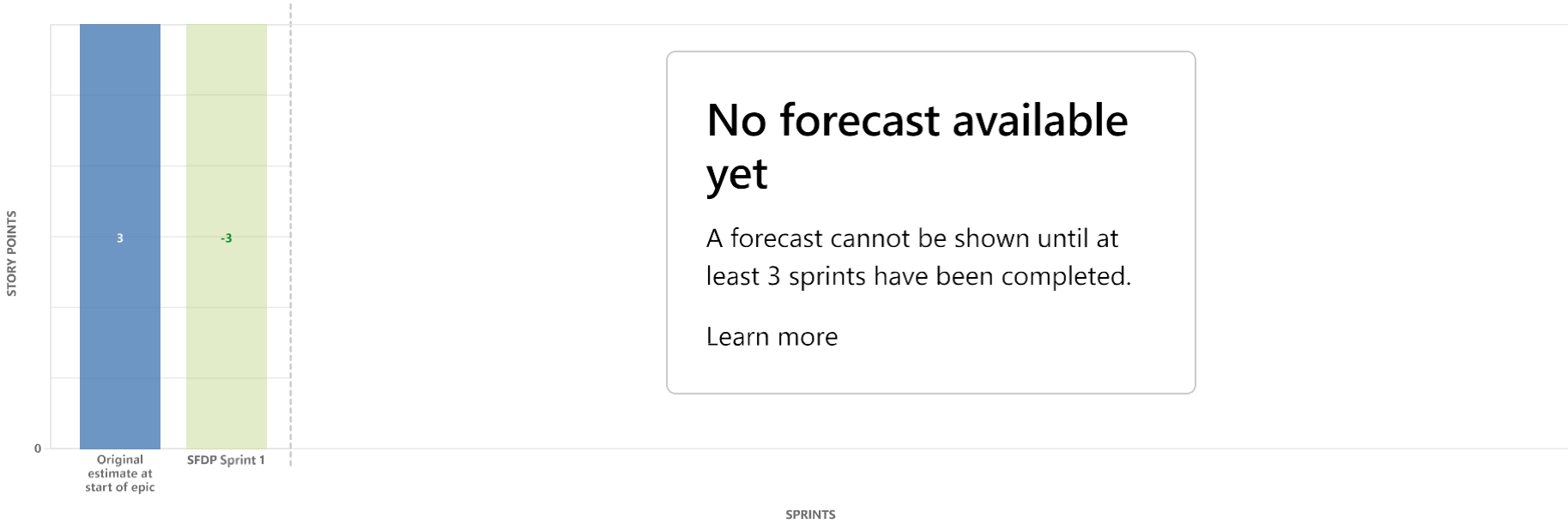
SFDP-2: Login

View linked pages

0% unestimated issues

3 of 3 completed (story points)

Work completed
Work remaining
Work forecast
Work added



No forecast available yet

A forecast cannot be shown until at least 3 sprints have been completed.

Learn more

Viewing options

Align sprints at the base of the chart

Use this view to see trends in the scope for the epic.

Epic

SFDP-2 This Epic is to accomplish user should able to login in our app

Completed Issues

SFDP Sprint 1 26/Oct/22 - 31/Oct/22

View in Issue Navigator

Key	Summary	Issue Type	Priority	Status	Story Points (3)
SFDP-13	User can log into application by entering the email and password	Story	Medium	DONE	3

Your work Projects Filters Dashboards People Apps

Projects / Smart Farmer Development Phase / SFDP board / Reports

Burndown Chart

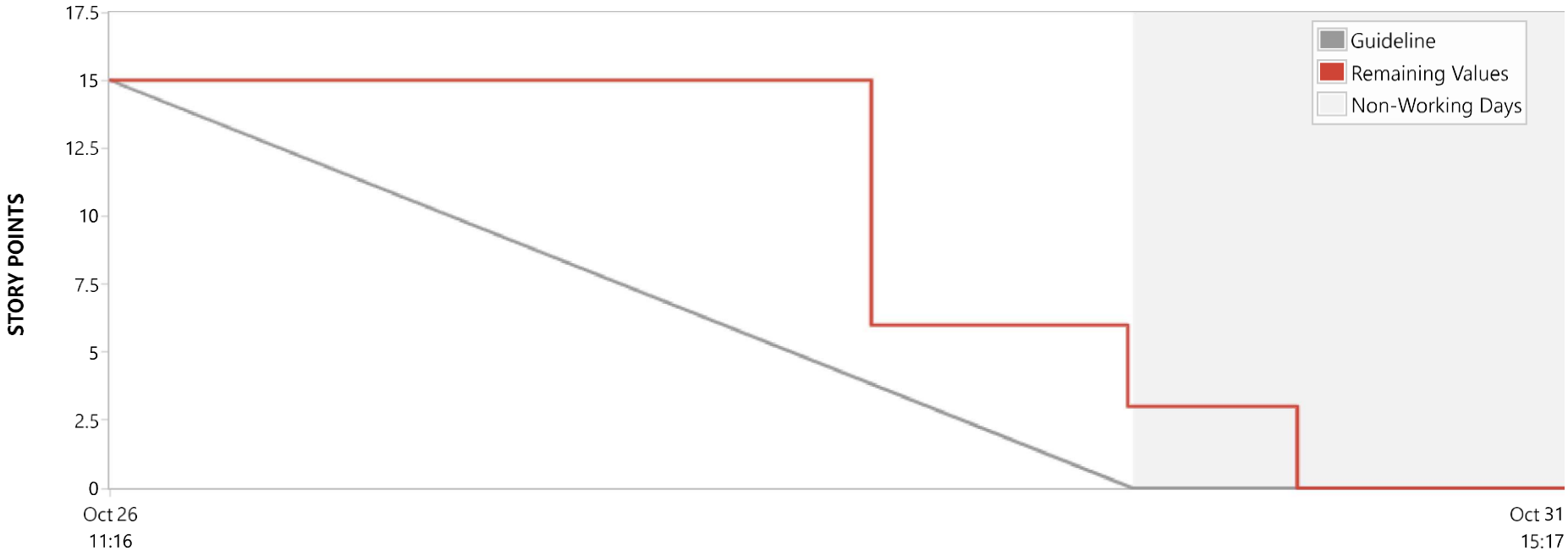
SFDP Sprint 1 Story Points

				Story Points		
Date	Issue	Event Type	Event Detail	Inc.	Dec.	Remaining
26/Oct/22 11:16 AM	SFDP-10 SFDP-11 SFDP-12 SFDP-13	Sprint start		4 5 3 3		 15
28/Oct/22 8:28 AM	SFDP-10	Burndown	Issue completed		4	11
	SFDP-11	Burndown	Issue completed		5	6
28/Oct/22 11:41 PM	SFDP-12	Burndown	Issue completed		3	3
29/Oct/22 9:44 AM	SFDP-13	Burndown	Issue completed		3	0
31/Oct/22 3:17 PM	SFDP-10 SFDP-11 SFDP-12 SFDP-13	Sprint ended by shanmugam				0 0 0 0 0

Sprint Report

SFDP Sprint 1

Closed sprint, ended by shanmugam 26/Oct/22 11:16 AM - 31/Oct/22 3:17 PM View linked pages



Opsgenie alerts

Give feedback

Critical
High

ALERT

Connect an Opsgenie team in project settings to start syncing alert data. **Go to project settings**

Status Report

Completed Issues

View in Issue Navigator

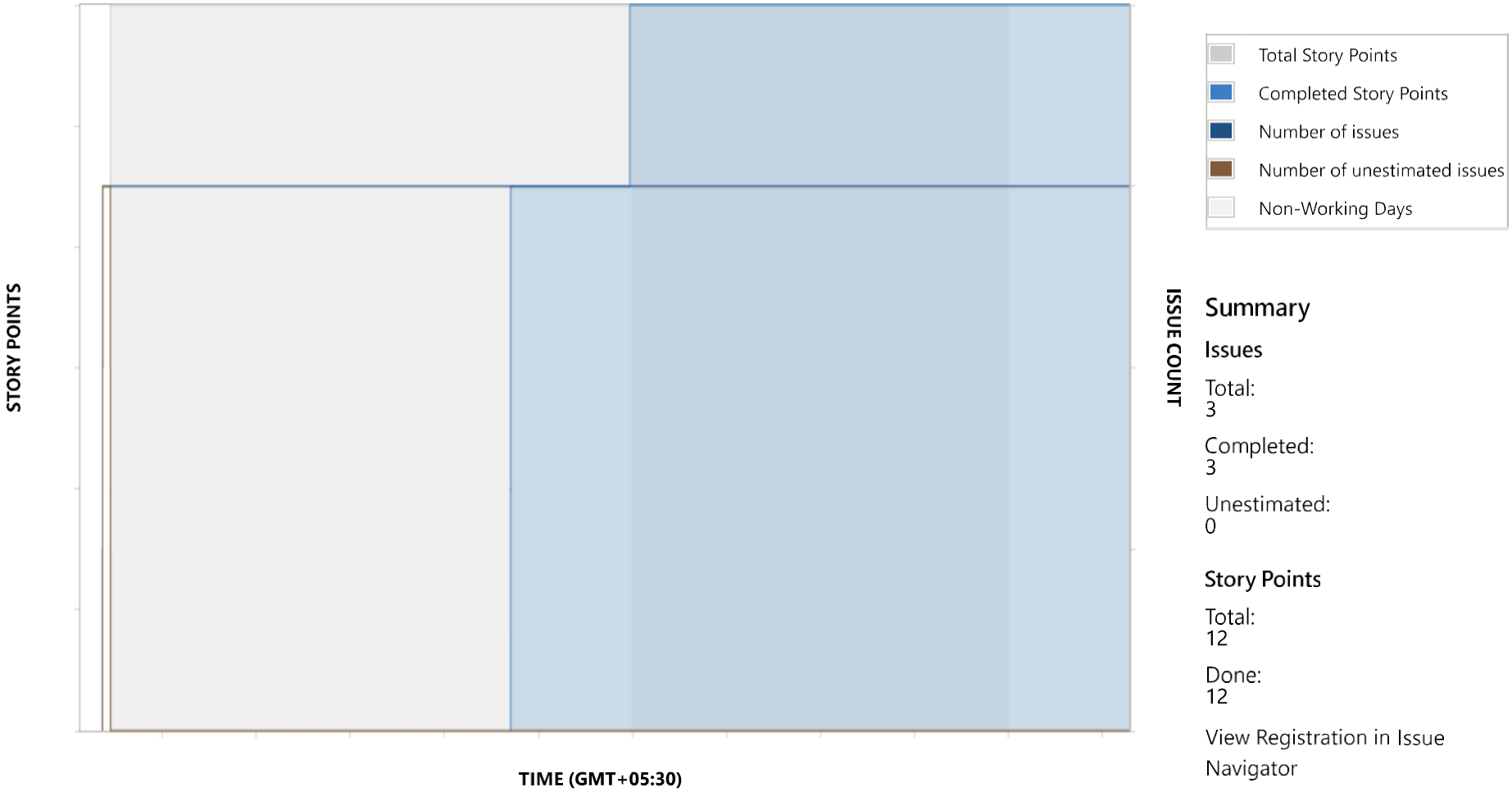
Key	Summary	Issue Type	Priority	Status	Story Points (15)
SFDP-10	Creation of Login page in Application	Story	Highest	DONE	4
SFDP-11	Developing Logic for Sign in and Sign Up and Database Integration	Story	Highest	DONE	5
SFDP-12	Testing the created sign in and sign up page in our app and ensure the working of the app	Story	High	DONE	3
SFDP-13	User can log into application by entering the email and password	Story	Medium	DONE	3

Epic Report

Registration

SFDP-1 This Epic is to accomplish user should able to register in our app

View linked pages



Summary

Issues

Total:
3

Completed:
3

Unestimated:
0

Story Points

Total:
12

Done:
12

View Registration in Issue Navigator

Completed Issues

View in Issue Navigator

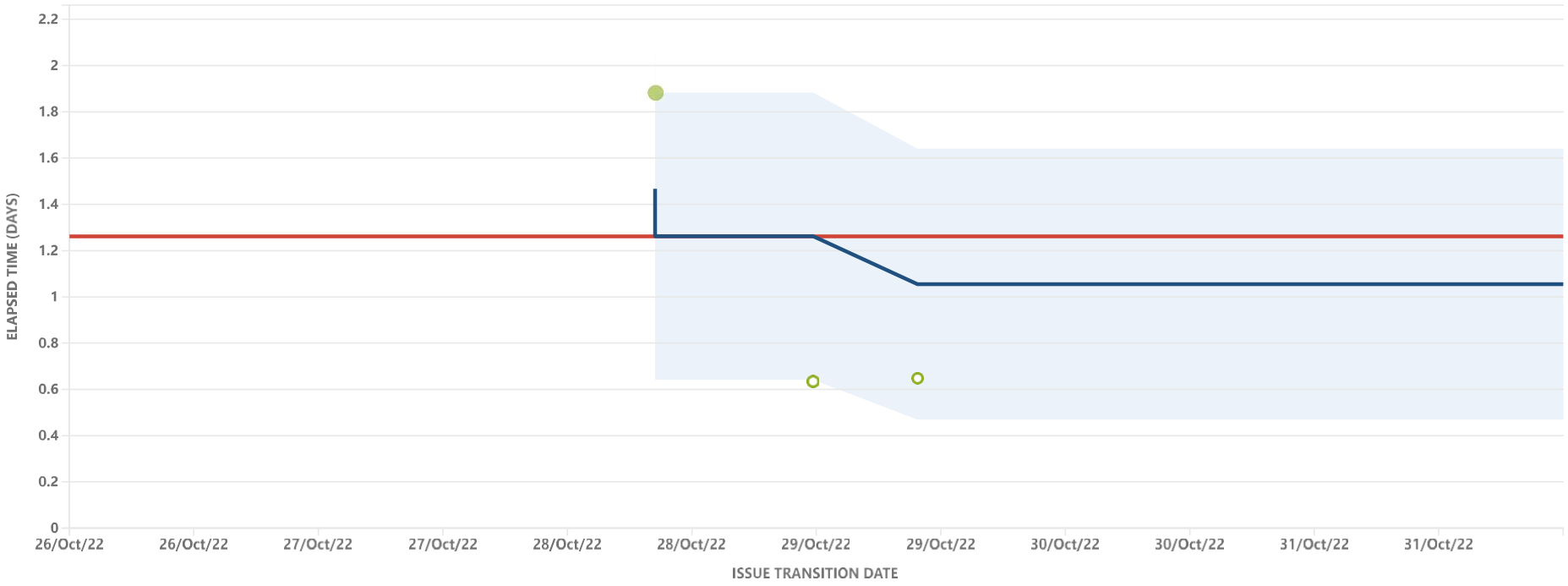
Key	Summary	Issue Type	Priority	Status	Story Points (12)
SFDP-10	Creation of Login page in Application	Story	Highest	DONE	4
SFDP-11	Developing Logic for Sign in and Sign Up and Database Integration	Story	Highest	DONE	5
SFDP-12	Testing the created sign in and sign up page in our app and ensure the working of the app	Story	High	DONE	3

Control Chart

26/Oct/22 to 31/Oct/22 (Custom)

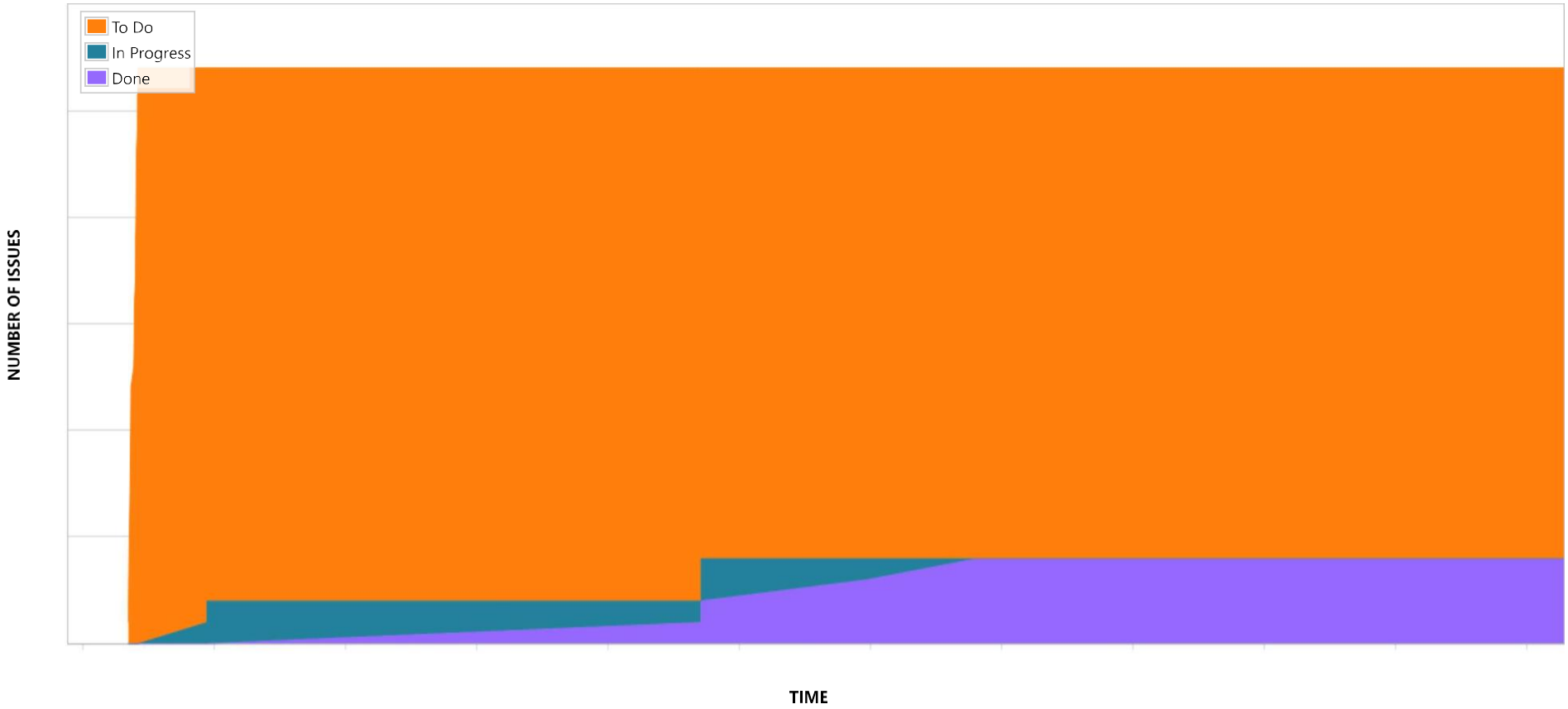
1d 6h average
1d 6h median
15h 13m min time
1d 21h max time
4 issues

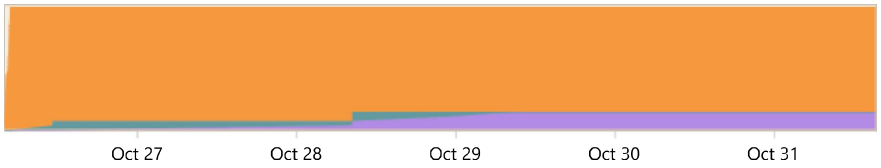
Issue
Cluster of issues
Average
Rolling average
5 issue window
Standard deviation



Cumulative Flow Diagram

26/Oct/22 to 31/Oct/22 (All Time) Refine report



Overview

Click and drag cursor across chart or chart overview to select date range (double-click overview to reset).