Software Maintenance and Evolution Report of Hoodies Store project

PROJECT SUPERVISOR:

Dr. Nabil Almashfi

Student names:
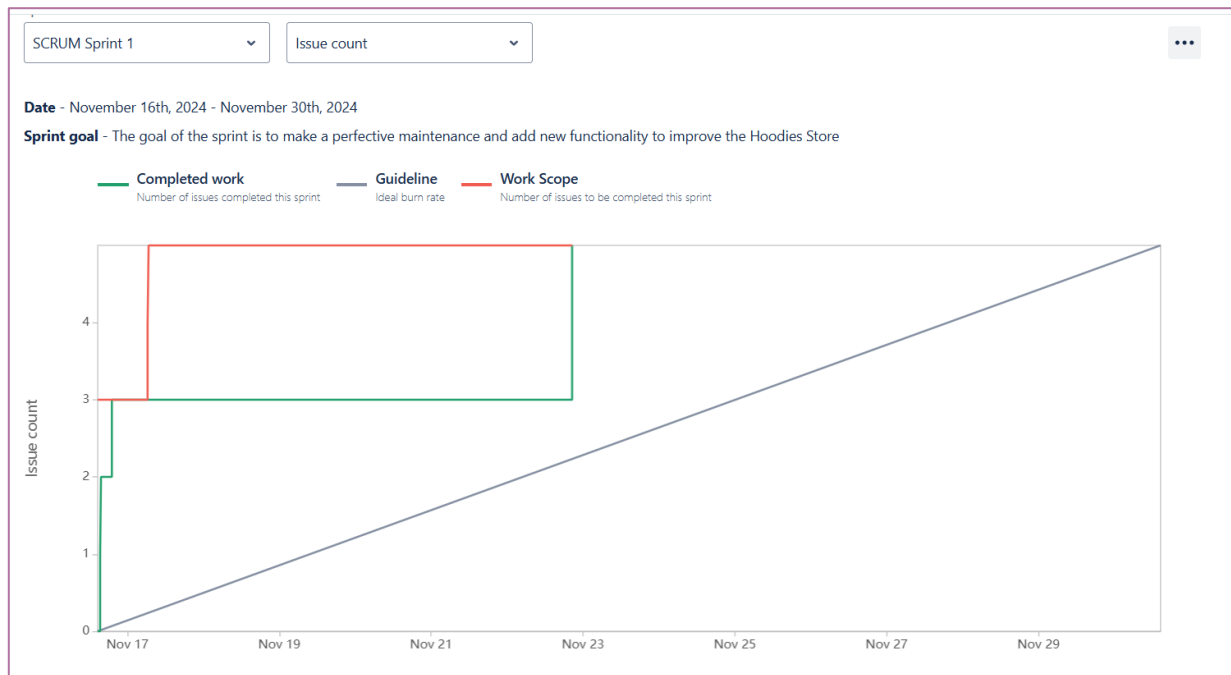
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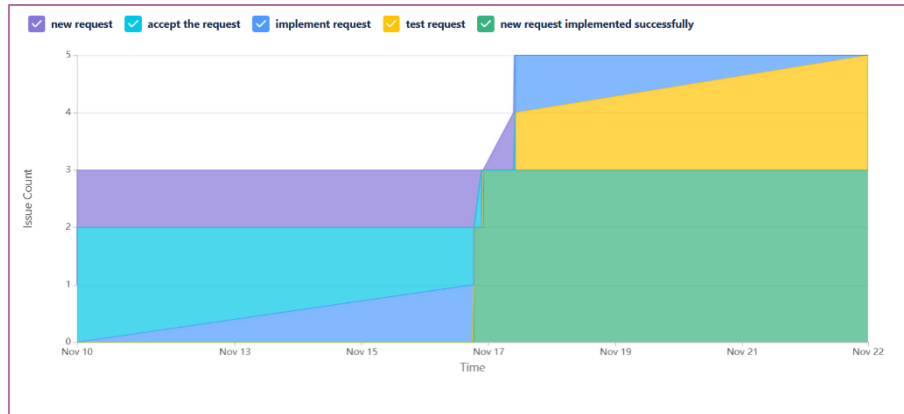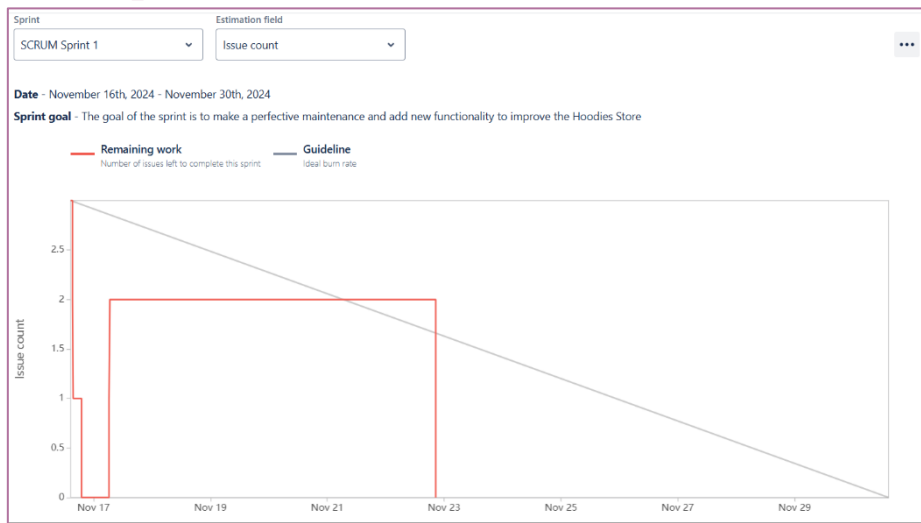
Hind Ahmad Alhassan

- Project report:
  - ✓ Burnup report

Date	Event	Issue	Completed	Scope
Sat, Nov 16 2024, 2:35pm	Sprint started	SCRUM-1 add ranges for measurements SCRUM-2 add new size SCRUM-3 add undertone method	0	3
Sat, Nov 16 2024, 3:21pm	Issue completed	SCRUM-1 add ranges for measurements	0 → 1	3
Sat, Nov 16 2024, 3:36pm	Issue completed	SCRUM-2 add new size	1 → 2	3
Sat, Nov 16 2024, 7:03pm	Issue completed	SCRUM-3 add undertone method	2 → 3	3
Sun, Nov 17 2024, 6:23am	Estimate updated	SCRUM-4 add new test cases for testing (XXL, XXXL and XXXXL) size.	3	3
Sun, Nov 17 2024, 6:23am	Added to sprint	SCRUM-4 add new test cases for testing (XXL, XXXL and XXXXL) size.	3	3 → 4
Sun, Nov 17 2024, 6:42am	Estimate updated	SCRUM-5 fix test cases of testing (S, M, XL) size.	3	4
Sun, Nov 17 2024, 6:42am	Added to sprint	SCRUM-5 fix test cases of testing (S, M, XL) size.	3	4 → 5
Fri, Nov 22 2024, 8:33pm	Issue completed	SCRUM-5 fix test cases of testing (S, M, XL) size.	3 → 4	5
Fri, Nov 22 2024, 8:33pm	Issue completed	SCRUM-4 add new test cases for testing (XXL, XXXL and XXXXL) size.	4 → 5	5
Fri, Nov 22 2024, 8:39pm	Sprint completed	SCRUM-1 add ranges for measurements SCRUM-2 add new size SCRUM-3 add undertone method SCRUM-4 add new test cases for testing (XXL, XXXL and XXXXL) size. SCRUM-5 fix test cases of testing (S, M, XL) size.	5	5

✓ Cumulative flow diagram

new request | accept the request | implement request | test request | new request implemented successfully

✓ Sprint Burndown chart

Sprint
SCRUM Sprint 1

Estimation field
Issue count

Date - November 16th, 2024 - November 30th, 2024

Sprint goal - The goal of the sprint is to make a perfective maintenance and add new functionality to improve the Hoodies Store

Remaining work — Number of issues left to complete this sprint

Guideline — Ideal burn rate

Report: SCRUM Sprint 1

*Issue added after sprint start

Scope changes log

View in issue navigator

Date :	Key :	Summary :	Issue type :	Epic :	Details of scope change :	Change in estimation
2024-11-17	SCRUM-4	add new test cases for testing (XXL, XXXL and XXXX...	Add new method (Underton		Issue added to sprint	1
2024-11-17	SCRUM-5	fix test cases of testing (S, M, XL) size.	Add new method (Underton		Issue added to sprint	1

Your sprint commitment has increased by 2 issues

Due to scope changes: You have 5 issues to complete this sprint

All issues in sprint have been completed

Completed issues

View in issue navigator

Key :	Summary :	Issue type :	Epic :	Status :	Assignee :	Issue count
SCRUM-1	add ranges for measurements	Add ranges for measurement		NEW REQUEST IM...	WA	1
SCRUM-2	add new size	Add new sizes		NEW REQUEST IM...	WA	1
SCRUM-3	add undertone method	Add new method (Undertone)		NEW REQUEST IM...	WA	1
SCRUM-4	add new test cases for testing (XXL, XXXL and XXXXL) size.	Add new method (Undertone)		NEW REQUEST IM...	HA	1
SCRUM-5	fix test cases of testing (S, M, XL) size.	Add new method (Undertone)		NEW REQUEST IM...	HA	1

- Key metrics:

1. First metric:

✓ Number of issues resolved per sprint:

We have only one sprint and it`s contain five issues.

✓ Method used to collect the previous data:

Both Burnup and Sprint Burndown reports helped us to easily know the number of issues completed in the sprint.
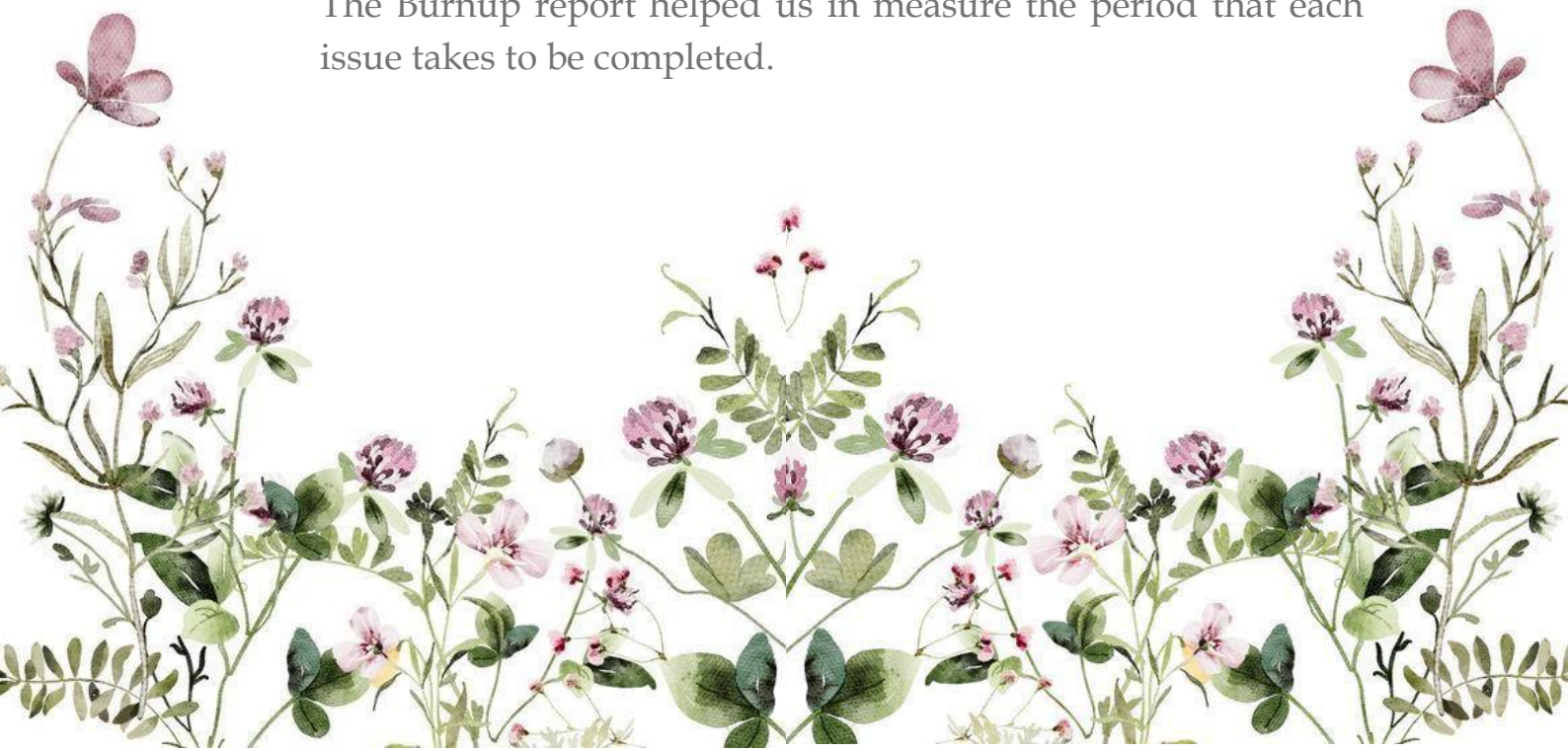
2. Second metric:

✓ Average issue resolution time:

These three issues (SCRUM-1, SCRUM-2, SCRUM-3), take one day to be completed.

these two issues (SCRUM-4, SCRUM-5), take six days to be completed.

✓ Method used to collect the previous data:

The Burnup report helped us in measure the period that each issue takes to be completed.

3. Third metric:

✓ Trend Analysis:

There is an increasing in the number of issues that are progressing in each of these columns (new request, accept the request, implement request, test request and request implemented successfully).

✓ Method used to collect the previous data:

The Cumulative flow diagram helped us to easily discuss the flow of issues in each column.

4. Fourth metric:

✓ Completion Rate:

On 22 November, the number of issues that implemented successfully increase compare to previous days.

✓ Method used to collect the previous data:

The Cumulative flow diagram helped us to easily know on which day the rate of the issues that have been implemented successfully increase.