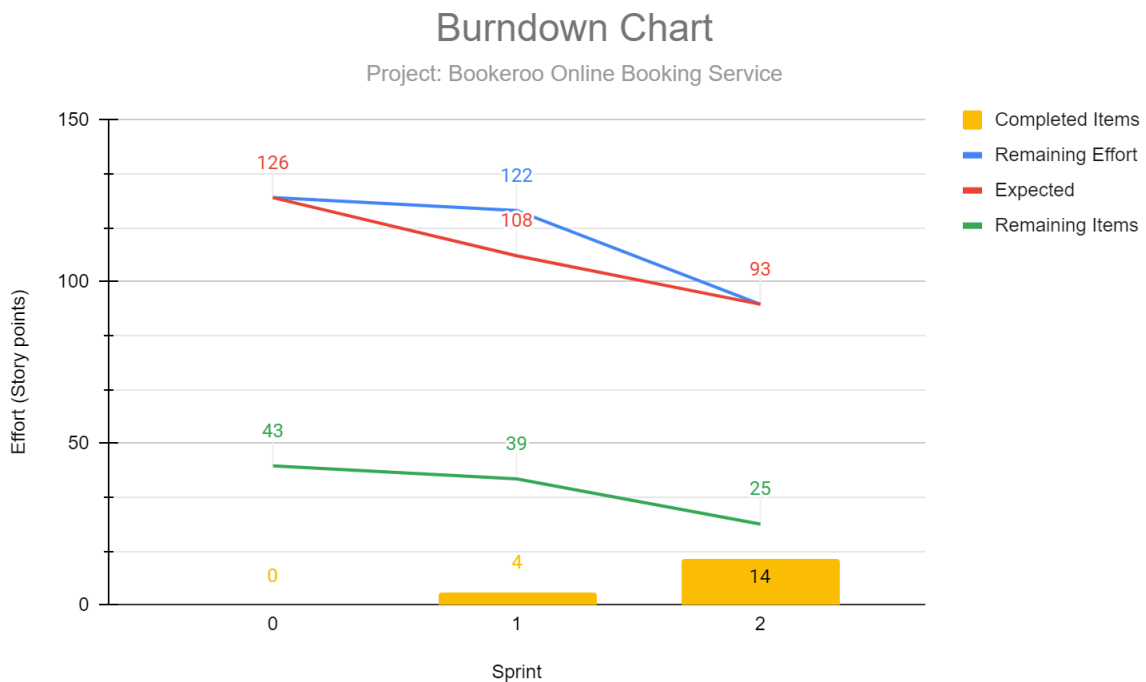


Burndown Chart



Velocity

Sprint 1:

The team decided to commit to 12 items from the product backlog:

- Admin can log in (1 story point)
- Public users can register (1 story point)
- Public users can log in (1 story point)
- Shop owners can register (1 story point)
- Shop owners can log in (1 story point)
- Users (all 3 types) can log out (1 story point)
- Admin can add books (1 story point)
- Users can view information about the company/service (1 story point)
- Users can view contact details about the company/service (1 story point)
- Visitors can search for books by name (3 story points)
- Visitors can search for books by author (3 story points)
- Visitors can search for books by ISBN (3 story points)

The following 4 items were completed:

- Admin can login (1 story point)
- Public users can register (1 story point)
- Public users can login (1 story point)
- Shop owners can login (1 story point)

Total story points completed (Sprint 1) = 1 + 1 + 1 + 1 = 4

So, the total story points completed in this sprint is 4 story points.

Average velocity calculation by the end of Sprint 1:

$$\text{Average velocity (Sprint 1)} = \frac{4}{1} = 4$$

So, the average velocity so far is 4 story points per sprint. However, this may be inaccurate due to there being only one sprint. A more inaccurate result may be obtained at the end of three sprints.

Sprint 2:

The team decided to commit to 14 items from the product backlog:

- Users (all 3 types) can logout (1 story point)
- Shop owners can register (1 story point)
- Users can view information about the company/service (1 story point)
- Users can view contact details about the company/service (1 story point)
- Admin can add books (1 story point)
- Visitor can search for books by name (3 story points)
- Visitor can search for books by author (3 story points)
- Visitor can search for books by ISBN (3 story points)
- Visitors can browse books (2 story points)
- Public users can browse books (2 story points)
- Shop owners can browse books (2 story points)
- Public users can search for books by name (3 story points)
- Public user can search for books by authors (3 story points)
- Public users can search for books by ISBN (3 story points)

All items committed for this sprint were completed by the end of the sprint.

Total story points completed (Sprint 2) = 1 + 1 + 1 + 1 + 1 + 3 + 3 + 3 + 2 + 2 + 2 + 3 + 3

So, the total story points completed in this sprint is 29 story points.

Average velocity calculation by the end of Sprint 2:

$$\text{Average velocity (Sprint 2)} = \frac{4+29}{2} = \frac{23}{2} = 11.5$$

So, the average velocity so far is 11.5 story points per sprint. A more accurate result may be obtained by the end of the next sprint.