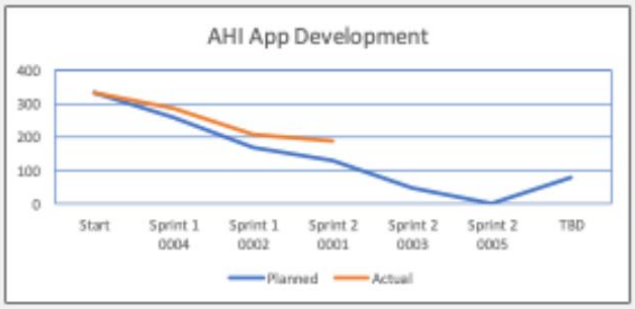
	Planned	Actual
Start	335	335
Sprint 1 0004	260	285
Sprint 1 0002	170	210
Sprint 2 0001	130	190
Sprint 2 0003	50	
Sprint 2 0005	0	
TBD	80	



Burndown Chart

Burndown Chart Analysis Worksheet

Instructions:

Use this worksheet to perform and document your analysis of the AHI app development project.

List **at least three** observations for each question.

Question 1: What problems does the burndown chart show about the project?

1	**Overestimated capacity**: The burndown chart shows that the actual progress (orange line) is always above the planned line (blue line), indicating that the team is unable to complete tasks according to the estimated time.
2	**Delays in completing user stories**: The team has not been able to complete the planned hours in several sprints, leading to a significant deviation between the planned and actual progress.
3	**Scope creep**: Unexpected changes in requirements (e.g., changes in IT infrastructure) led to an increase in the time needed and affected the development schedule.
4	**Lack of clear communication**: The change notification regarding IT infrastructure came too late, meaning the team had to work harder and use more time to meet the changing needs.
5	**Budget overruns**: Tasks that did not align with the schedule led to budget overruns, as seen by the higher number of hours than planned.

Question 2: What changes could the team make to improve the chances of meeting the project scope and schedule?

1	**Improve estimation accuracy**: The team should make more realistic estimates by considering their actual capacity based on previous sprint experiences.

2	**Improve communication with stakeholders**: The team needs to improve communication and ensure that requirement changes from stakeholders are received earlier in the development cycle, to avoid major changes mid-course.
3	**Implement risk management practices**: Develop better risk mitigation plans to identify potential issues early and address them before they escalate.
4	**Regular progress checks**: Add more frequent progress evaluation sessions to check whether the team is on track or if changes need to be made.
5	**Focus on sprint priorities**: The team should focus on high-priority user stories and ensure that tasks taken during the sprint are completed properly.

Question 3: What changes could the team have made earlier to be more successful?

1	**Better initial planning**: If the team had planned better at the start of the project and accounted for realistic capacity, they could have avoided these delays.
2	**Clarify requirements earlier**: Getting clearer confirmation from stakeholders about requirements early on, especially regarding IT infrastructure and the number of users to be supported.
3	**Set up Scrum Master support**: Effectively using the Scrum Master role to manage and facilitate the Scrum process would have helped the team work more efficiently.
4	**Include buffer time in the schedule**: Allocating buffer time in the schedule to address potential unforeseen issues along the way.
5	**Involve stakeholders earlier in planning**: Involving more stakeholders in the planning phase to identify issues earlier and reduce the likelihood of last-minute changes that affect the project flow.