



# AGILE COMMUNICATION PROJECT

## UDACITY AGILE NANOEGREE

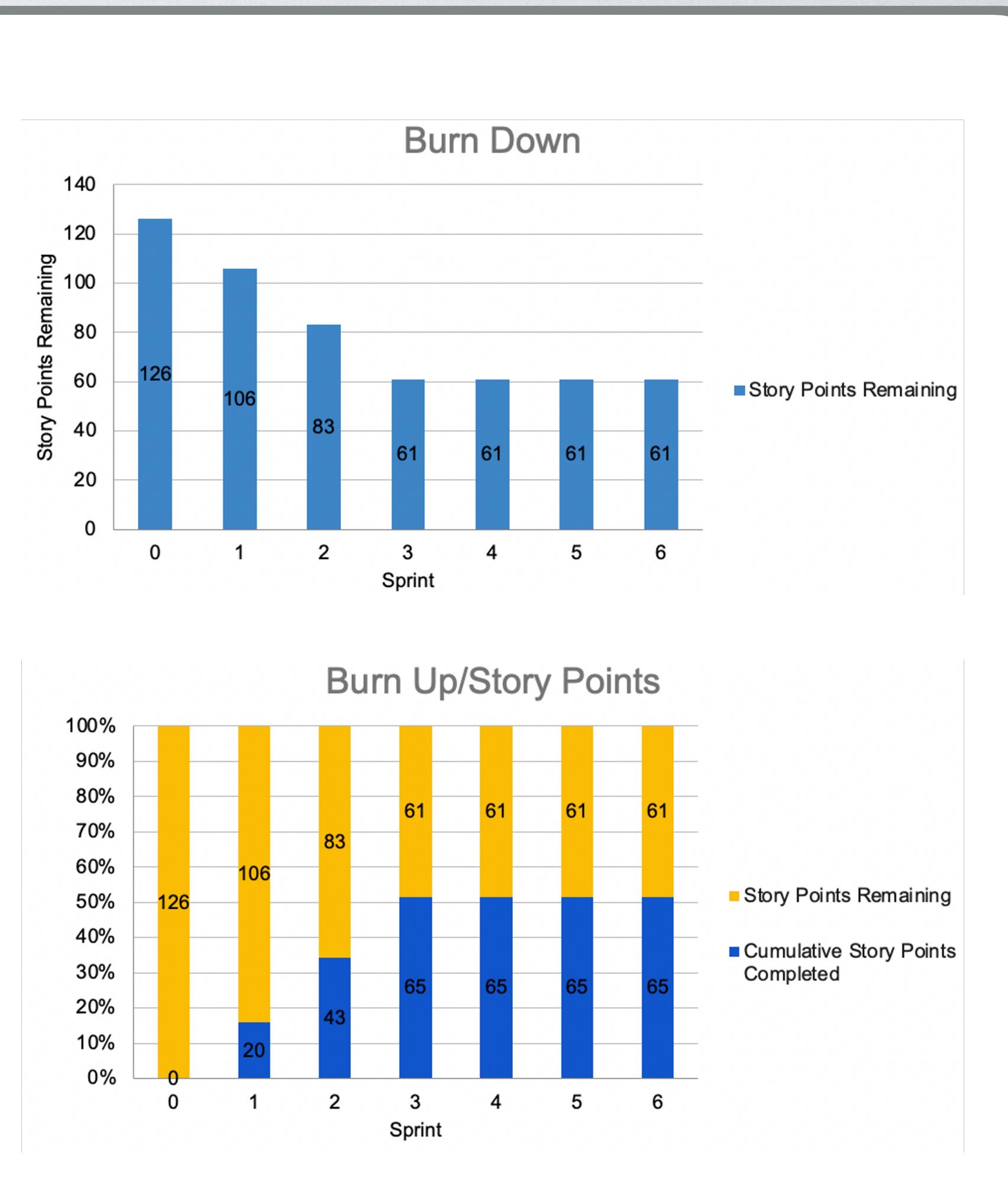
# SPRINT I - 3

## AGILE COMMUNICATION PROJECT



# SPRINT I - 3 QUESTIONS

- **What is your Velocity for the past 3 sprints?** 22
- **How do you know your Velocity is correct?**  $(20+23+22) / 3 = 22$
- **What would the BURN DOWN chart look like for Sprints I-3?** Chart at the right
- **What would the BURN UP charts look like for Sprints I-3?** Chart at the right
- **How many points do you think the Team should commit to for Sprint 4 and justify your answer?** around 22, the velocity is supposed to be a stable number



# SPRINT 4

## AGILE COMMUNICATION PROJECT

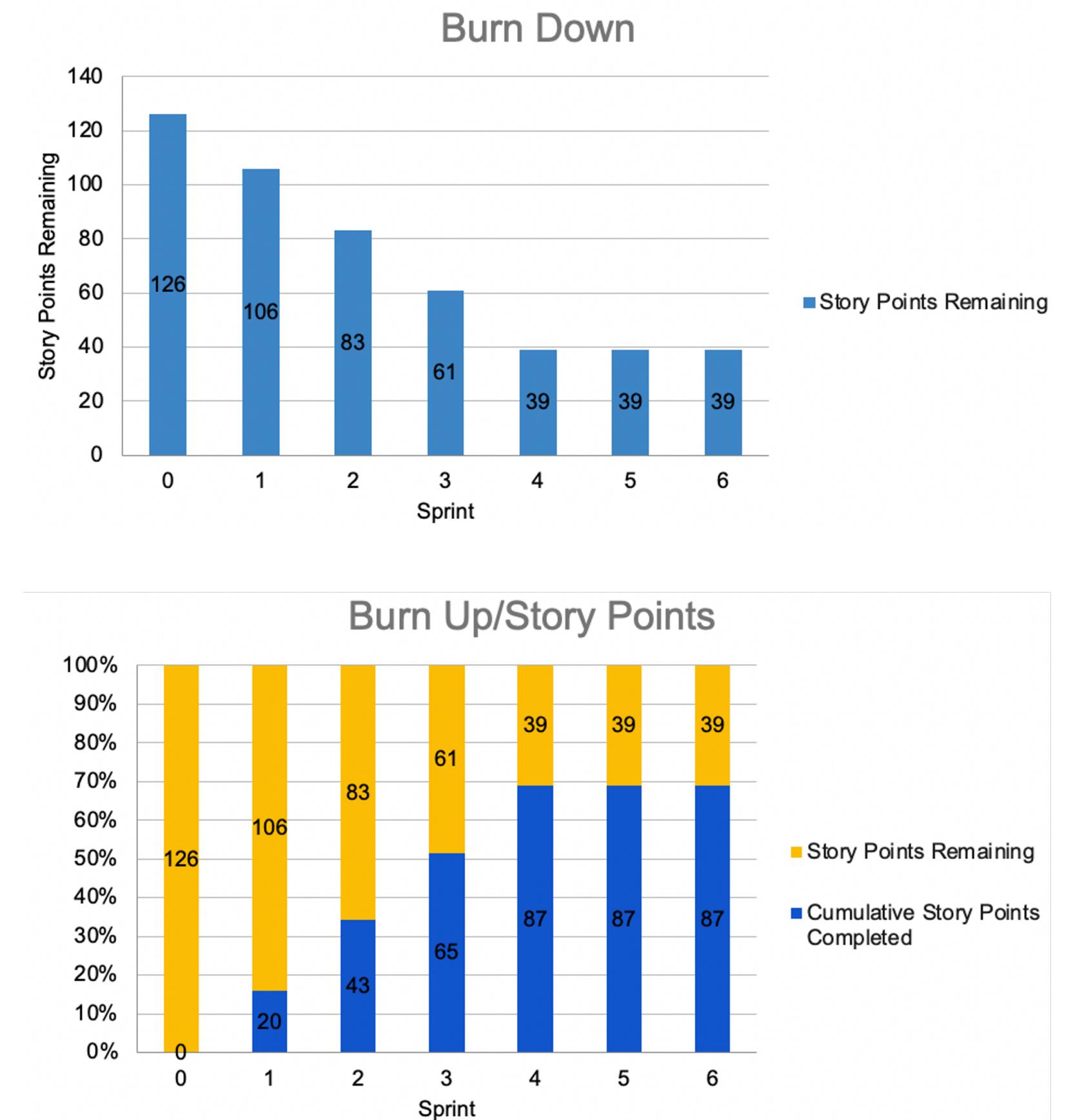


# User Stories Table for Sprint 4

User Story	User Story	Story PTS	Priority	Sprint #
15	As SAM, the Security professional, I want to scan the website for vulnerabilities so that our business and our customers are not at risk of data breaches	13	14	4
19	As Mark, the Manager, I want to be able to approve software for sale so that a Site Administrator can publish the software on the website for purchase by customers	1	18	4
21	As Debbie, the Developer, I want to have access to Git so that I can check my code in for security scans	8	15	4

# SPRINT 4 QUESTIONS

- **What would the BURN DOWN chart look like for Sprints 1-4?** Chart at the right
- **What would the BURN UP charts look like for Sprints 1-4?** Chart at the right
- **How did the re-prioritization impact the Sprint 4 schedule?** Due to the spread of cyber attacks, the team focused on system security and code security. The major tasks were stories **15** and **21**.
- **What Theme or Name did you give to Sprint 4 ?**  
SecurityFirst



# SPRINT 4 CODENAME “ SECURITYFIRST ”

## POWER OF TEAMWORK

### User Stories in Sprint 4

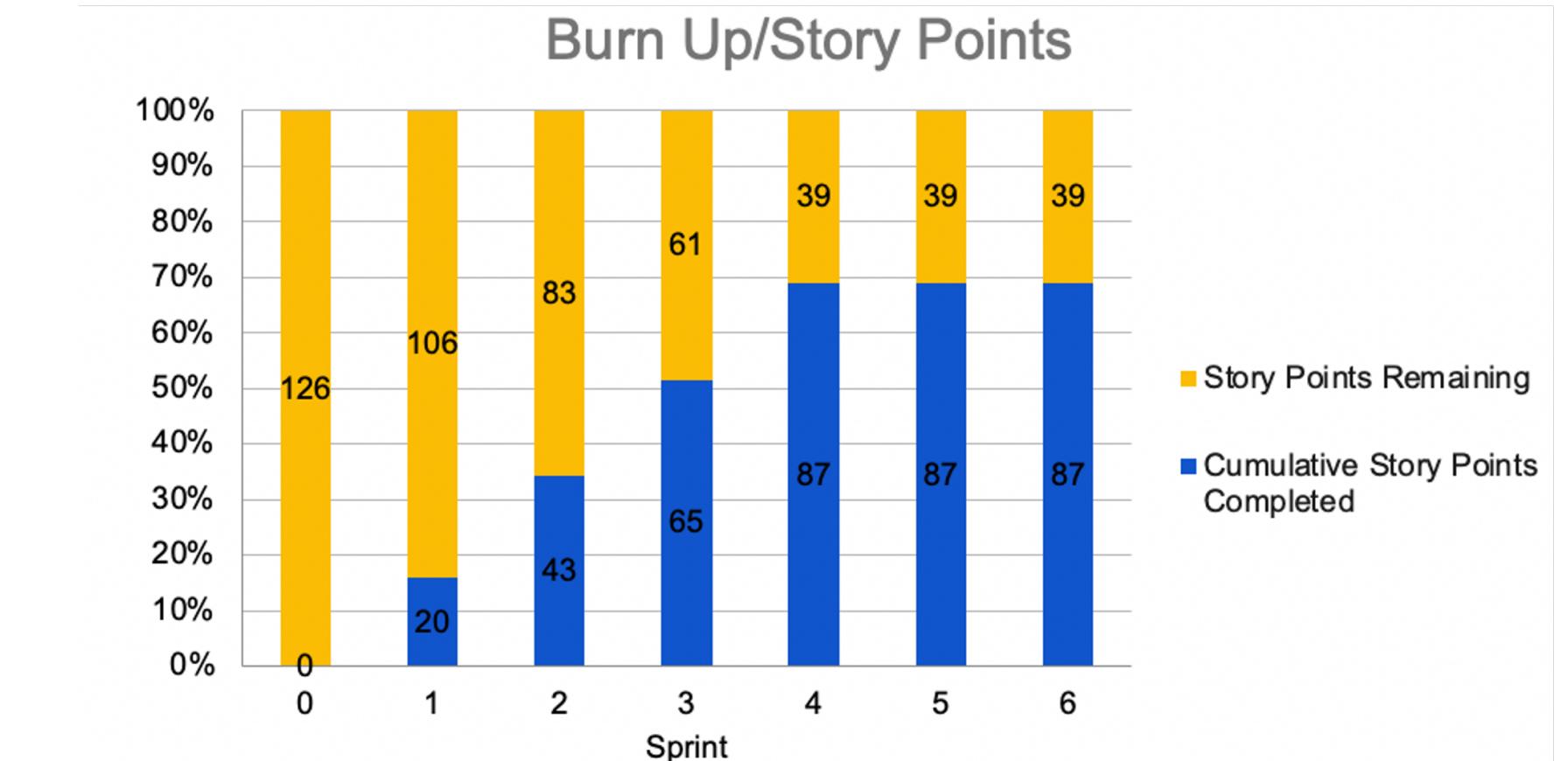
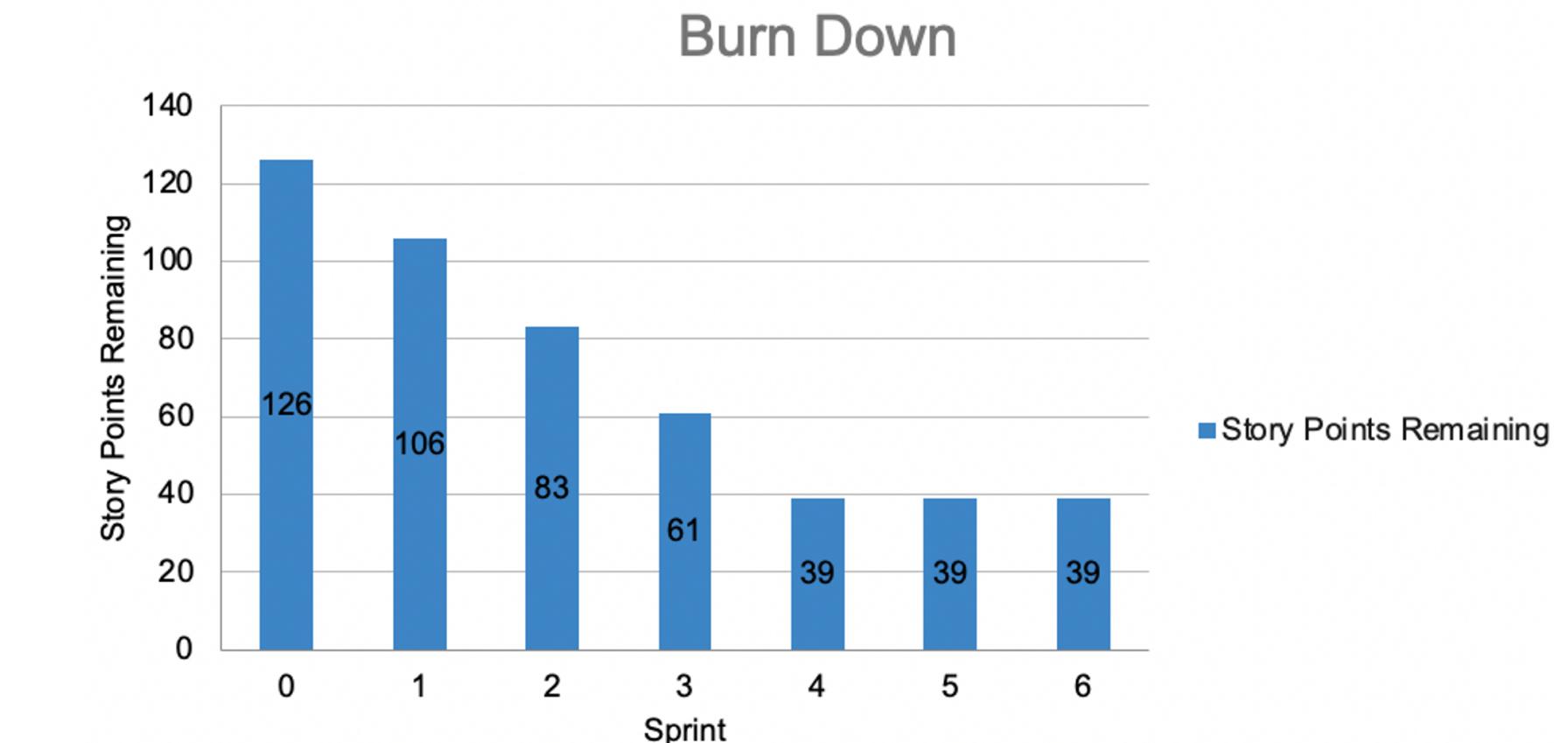
- Story#15: 13 points
  - Story#21: 8 points
  - Story#19: 1 points
- vulnerabilities**
- Total Sprint 4 Points: 22

**Narrative -** 1. Sam, the security professional, will find and fix the website vulnerabilities to reduce the potential risks; 2. Debbie, the developer, will make sure the codes are robust without vulnerability.

**Results –** 1. Find out and fix website vulnerabilities

**Learnings –** 1. System security is always in the top priority; 2. Making sure the system can publish products

**Risks –** System vulnerabilities can potentially cause customer and property loss.



# SPRINT 5

## AGILE COMMUNICATION PROJECT

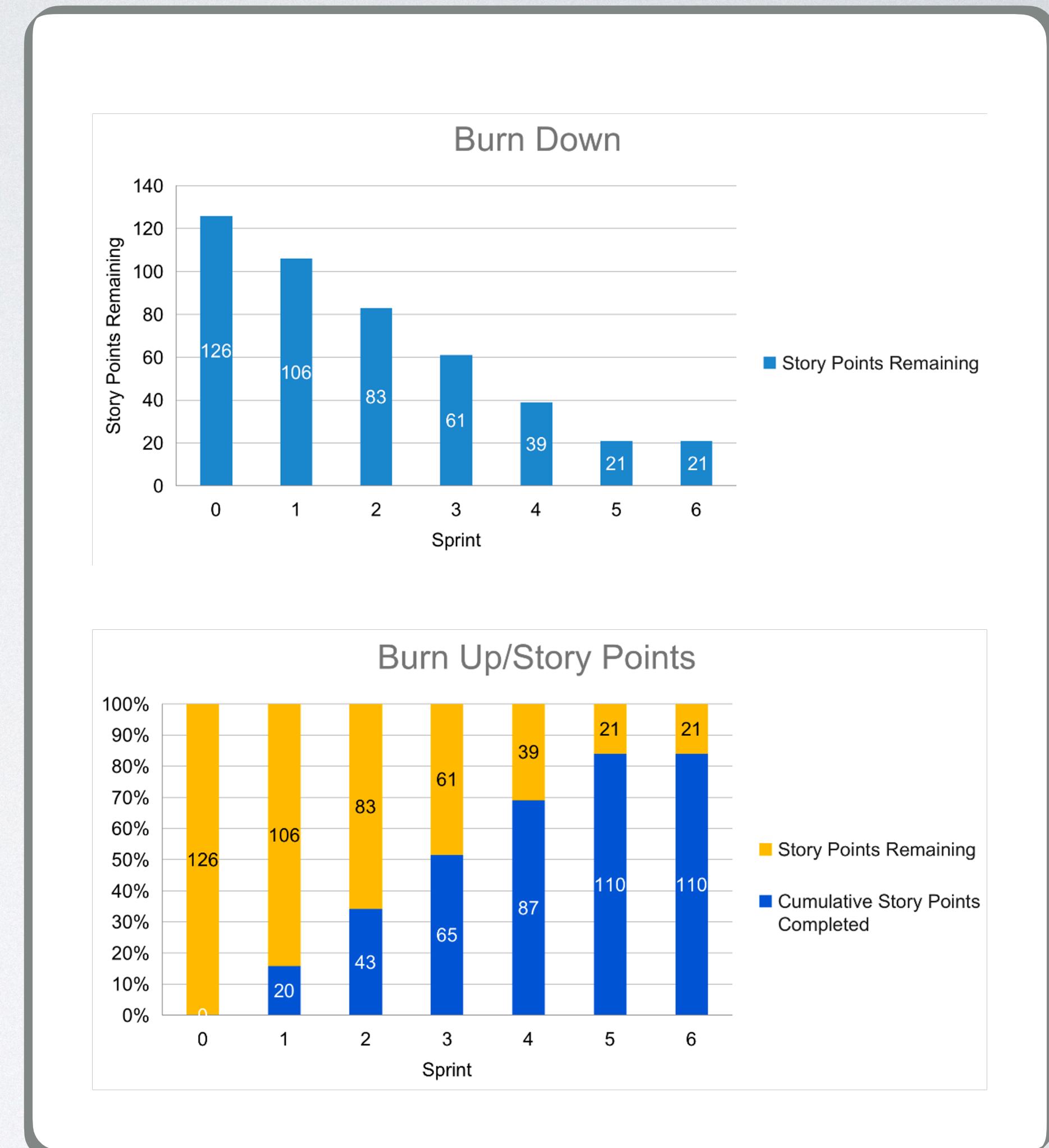


# User Stories Table for Sprint 5

User Story	User Story	Story PTS	Priority	Sprint #
14	As CARLOS, the Customer Service Rep (CSR), I want to review customer reviews so that I can remove personal information and approve of comments for other site visitors	5	19	5
18	As Mark, the Manager, I want to make sure the website is available over 99.99% of the time so that customers can always purchase software	13	17	5
22	As MARK, the Manager, I want to load the website in 3 seconds.	5	18	5

# SPRINT 5 QUESTIONS

- **What would the BURN DOWN chart look like for Sprints 1-5?** At the right
- **What would the BURN UP charts look like for Sprints 1-5?** At the right
- **How did the re-prioritization impact the Sprint 5 schedule?** After receiving the feedback from user interview, the priority is to fix the issues found and improve user experience.
- **How confident are you in delivering all of the user stories by the end of Sprint 6?** I think we can deliver it on time.  
There are 23 points remain, and our velocity is 23 points.
- **What Theme or Name did you give to Sprint 4 ?** UX time



# SPRINT 5 CODENAME “ UX TIME ”

## POWER OF TEAMWORK

### User Stories in Sprint 5

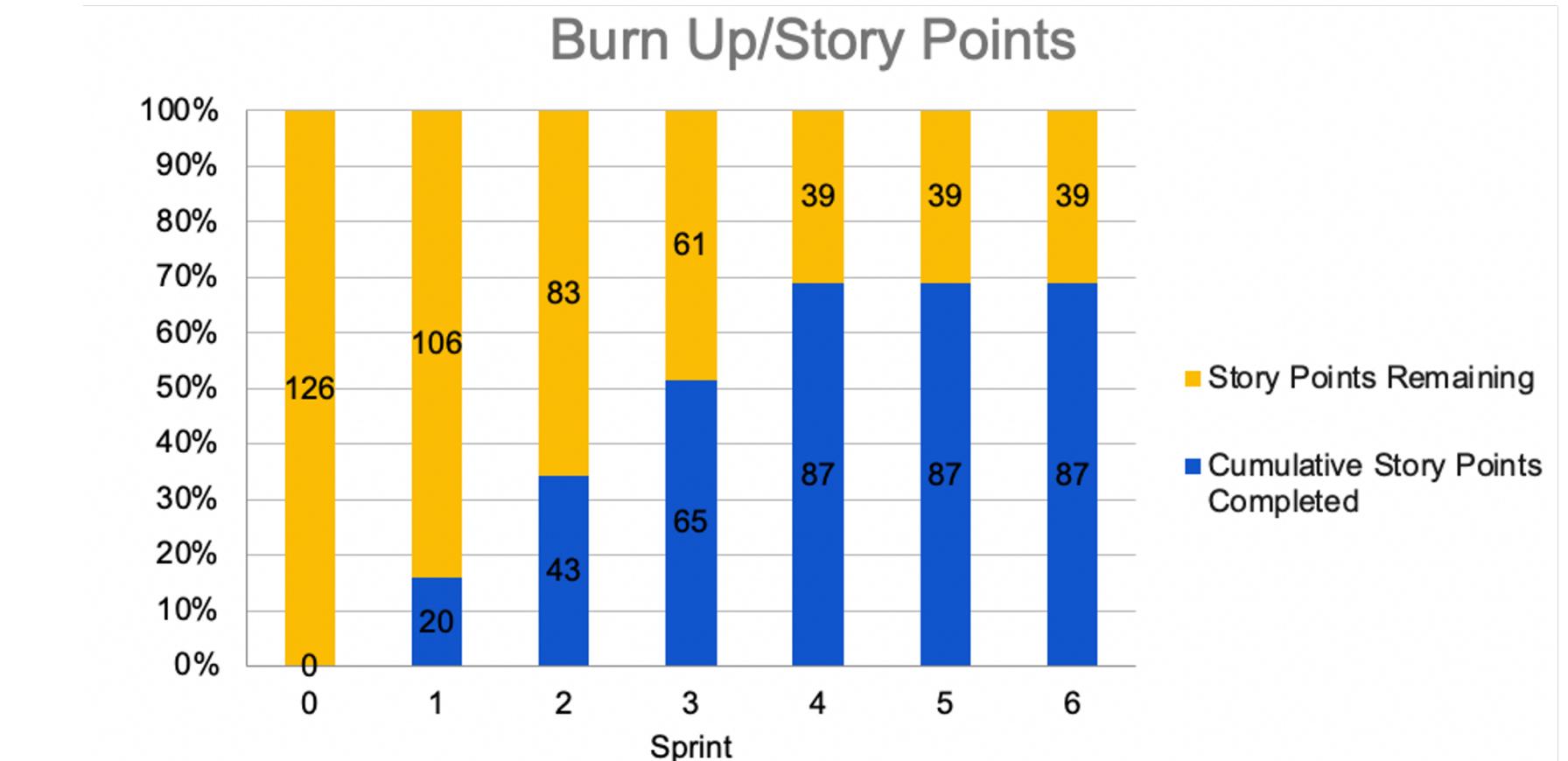
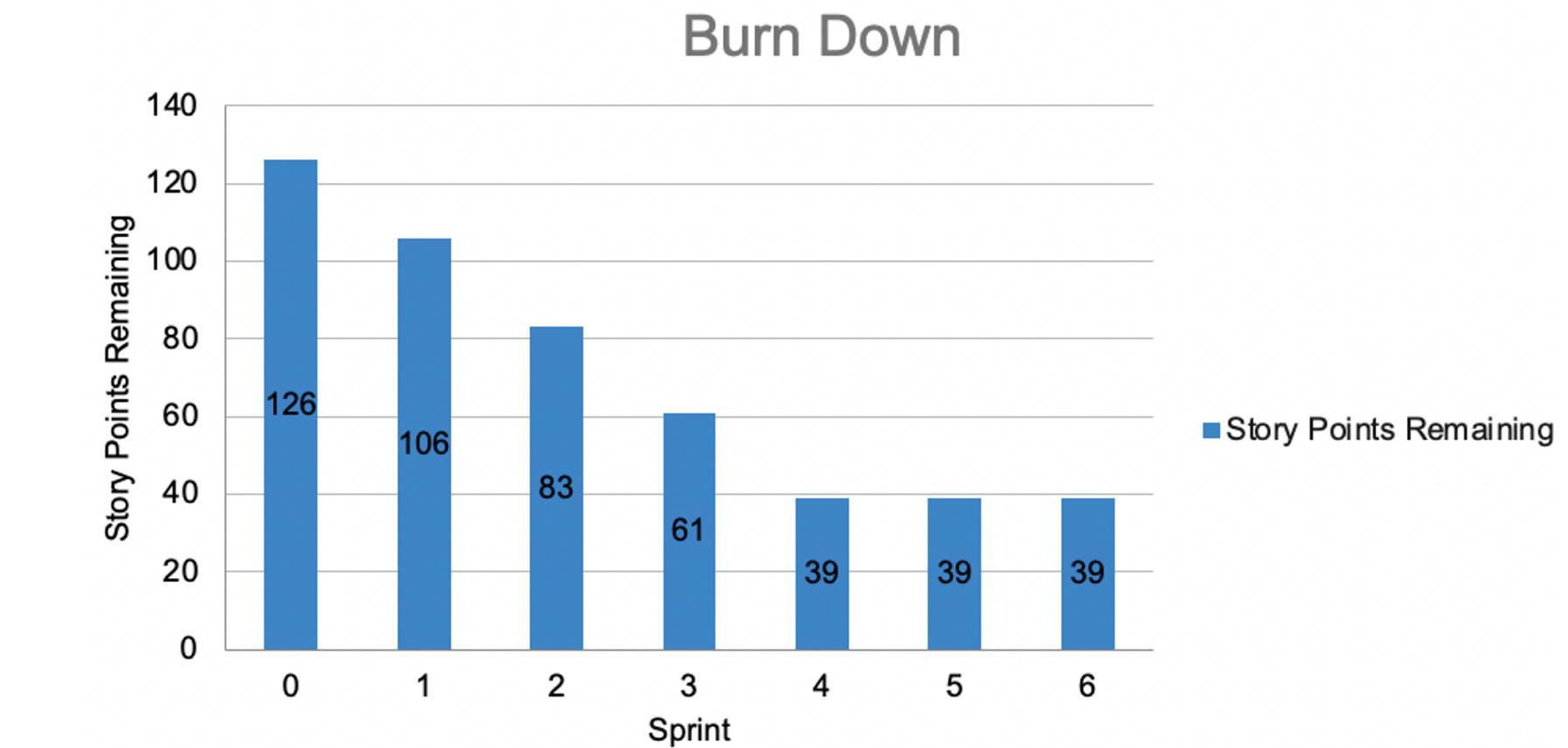
1. Story # 18 with 13 points
  2. Story # 22 with 5 points
  3. Story # 14 with 5 point
- Total Sprint 5 Points: 23

**Narrative – Listening to users, and increasing customer satisfaction with better UX.**

**Results – suggestions from user interview will be followed to improve the UX, but one extra requirement would be moved to the next Sprint.**

**Learnings – Internal review can help to find out the flaws before user interviews. Team could have more contact with users in development process to avoid too much unexpected requirements from user interviews.**

**Risks – losing clients.**



# SPRINT 6

## AGILE COMMUNICATION PROJECT

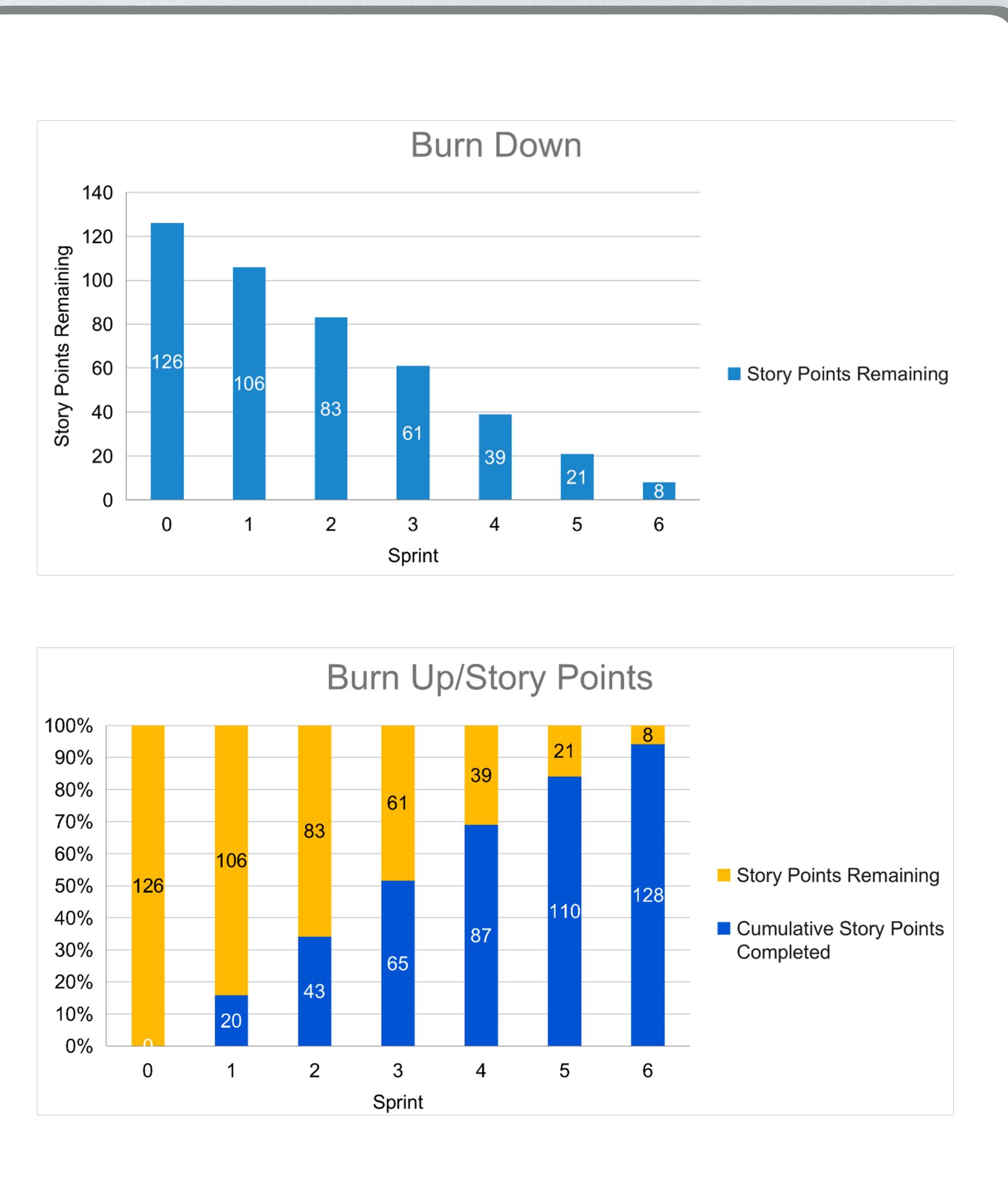


# User Stories Table for Sprint 6

User Story	User Story	Story pts	Priority	Sprint #
16	As MARK, the Manager, I want to review sales over varying time periods to review trends of software sold	8	22	6
17	As MARK, the Manager, I want to read customer review data so that I can look for potential software improvements	5	21	6
23	As Debbie, the Developer, I want to make sure that the cart displays total price correctly.	5	20	6

# SPRINT 6 QUESTIONS

- **What would the BURN DOWN chart look like for Sprints 1-6?** At the right
- **What would the BURN UP charts look like for Sprints 1-6?** At the right
- **Was the Team able to complete all the work in the backlog or did you have to adjust what could be delivered? How would you tell this to Management and justify your answer.** No, we could not. Due to the spread of cyber attack and to meet the requirements collected from the user interview, the story points increased unexpectedly. The team could not ideally deal with the external changes.



# SPRINT 6 CODENAME “FAST REACTIONS”

## POWER OF TEAMWORK

### User Stories in Sprint 6

**1. Story # 23 with 5 points**

**2. Story # 17 with 5 points**

**3. Story # 16 with 8 points**

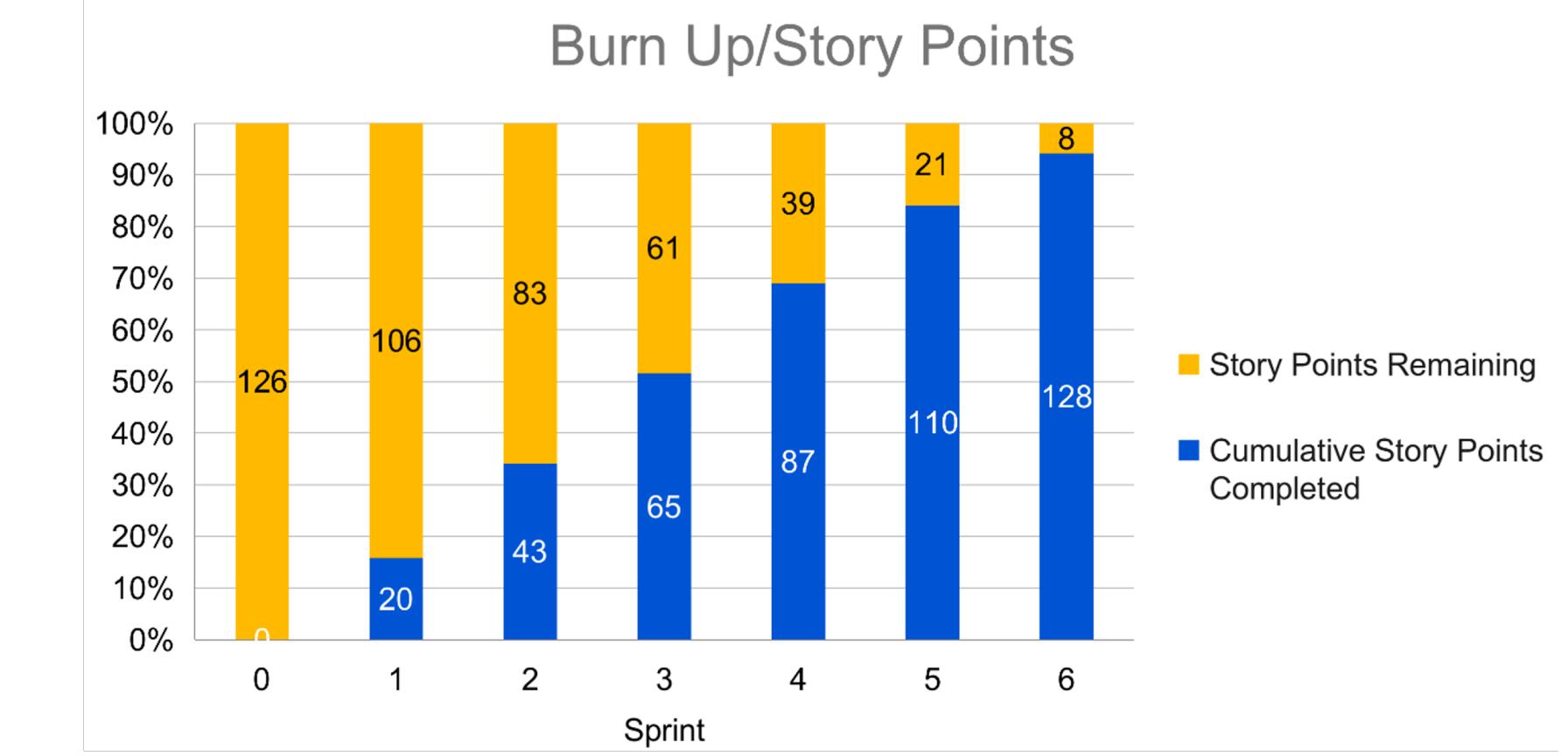
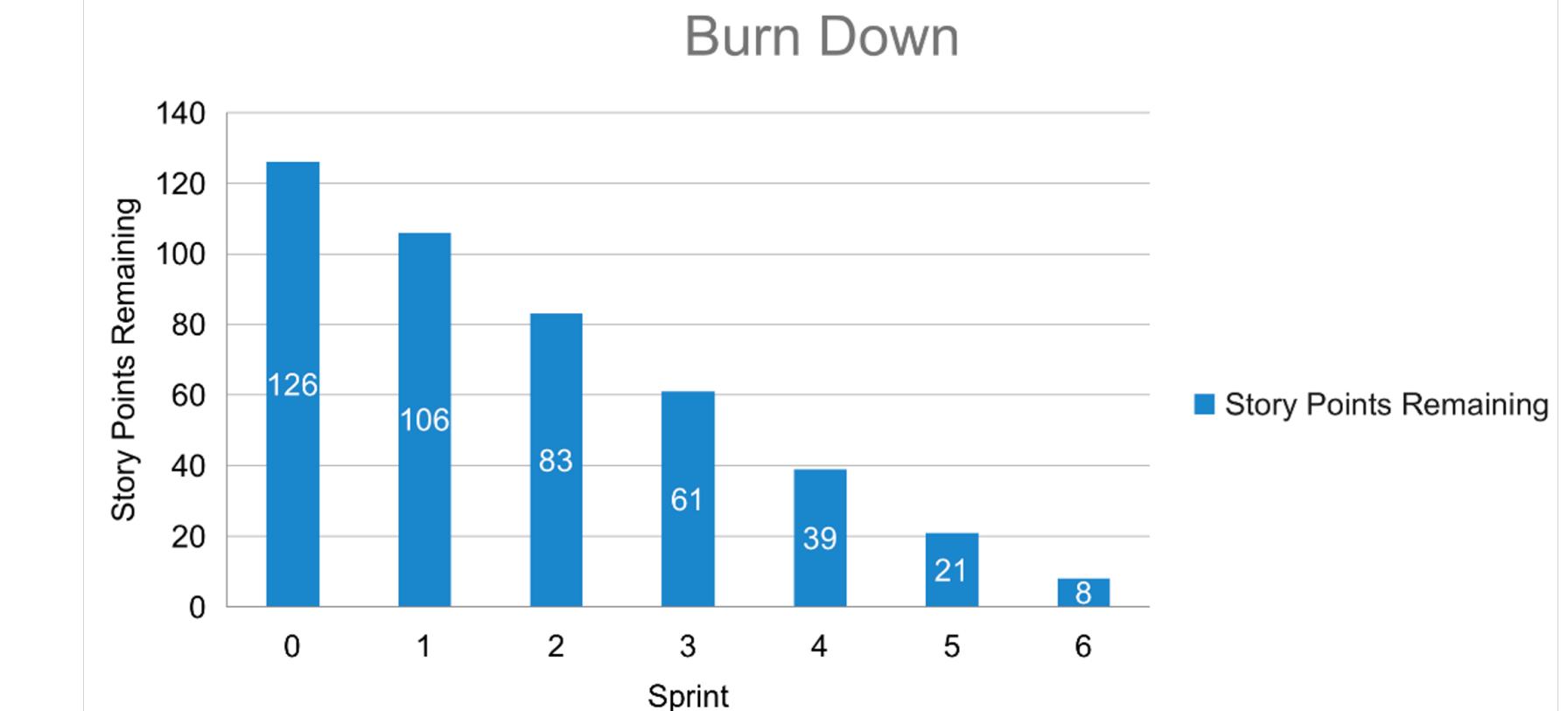
**Total Sprint 6 Points: 18**

**Narrative - Team launches a BOGO promotion as a quick response to the global pandemic to save the profits.**

**Results - The quick response mitigate the impact caused by the pandemic. The code quality improvement was postponed to the next Sprint.**

**Learnings - always make quick response to the fast-changing market**

**Risks - The strategy may change in response to the pandemic.**



# BVIR for Management Questions

Which charts would you want to include in the BVIR that Management would need and why?

- **Burn down charts** to track the progress in the sprints
- **Burn up charts** will also show the increment of new works
- **Committed Vs. Delivered Chart** to track the number of story points that they have committed to and compare them against the number of story points they have delivered

Included	Not included
Burn Down Charts	Story Point Cost per Team
Burn Up Charts	
Committed vs. Delivered Chart	

# CREATING THE **BVIR** FOR MANAGEMENT

## Questions to answer before you start the BVIR

**What would tell Management if they want to know the details about actual stories ?** Select from the choices below

1. "While I understand that you want to get into individual stories and know all the details, we would prefer that Management spends your valuable time guiding and influencing the Roadmap and direction of the project and leave the story delivery to the Teams you have empowered."
  2. Absolutely, let's get into the details!
  3. No, that is none of your business
- Which of the above did you choose (1,2,3) and why?
1. I will choose number 1 - The delay cause was because of the unexpected circumstances like cyber attacks and pandemics, so I think we can seek guides from Management of how to cope with those external changes in the future.
  2. Management does not have right to be aware of the individual stories.

# CREATING THE **BVIR** FOR MANAGEMENT

Questions to answer before you start the BVIR

## **Is it project considered a failure because backlog items still remain?**

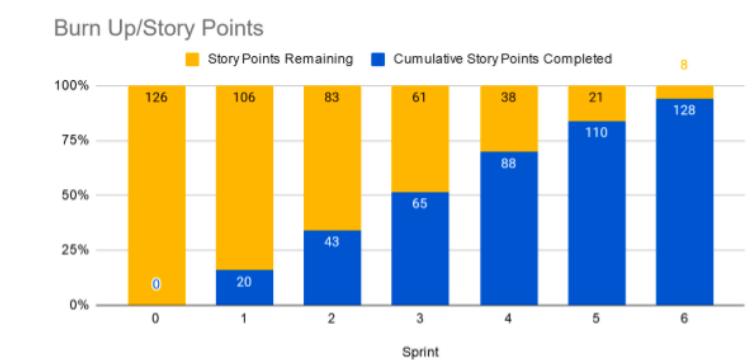
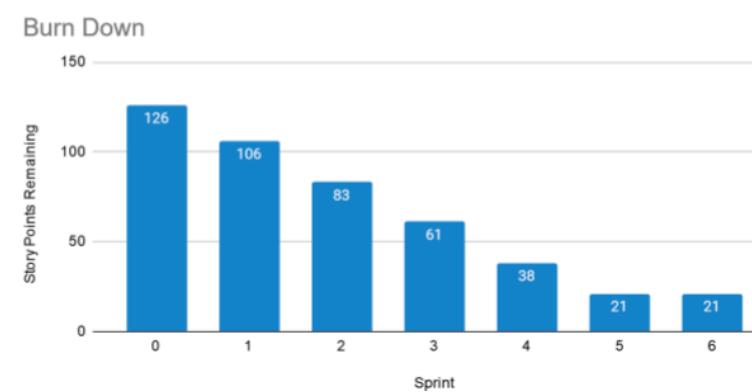
- The only delayed user story is improving code quality, but the main function of the program is complete.
- There was not any fatal issues of the project, and the team did good job responding to the external factors, including cyber attacks and pandemics.
- From the Burn down charts, we can see that we made a great progress and most story points were met.
- So, I don't think this project is considered a failure.

# CREATING THE BVIR FOR MANAGEMENT

**Instructions:** Start by creating your own BVIR. From the charts and sections below, please drag and drop items you would like to display to convey the story behind the MVP project

**Cut and paste items from this section and add them to the next slide**

## MVP VISION

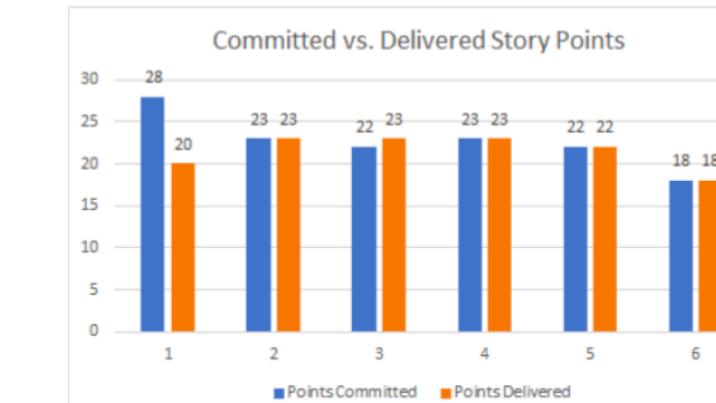


Team Name

Chart showing cost per story point

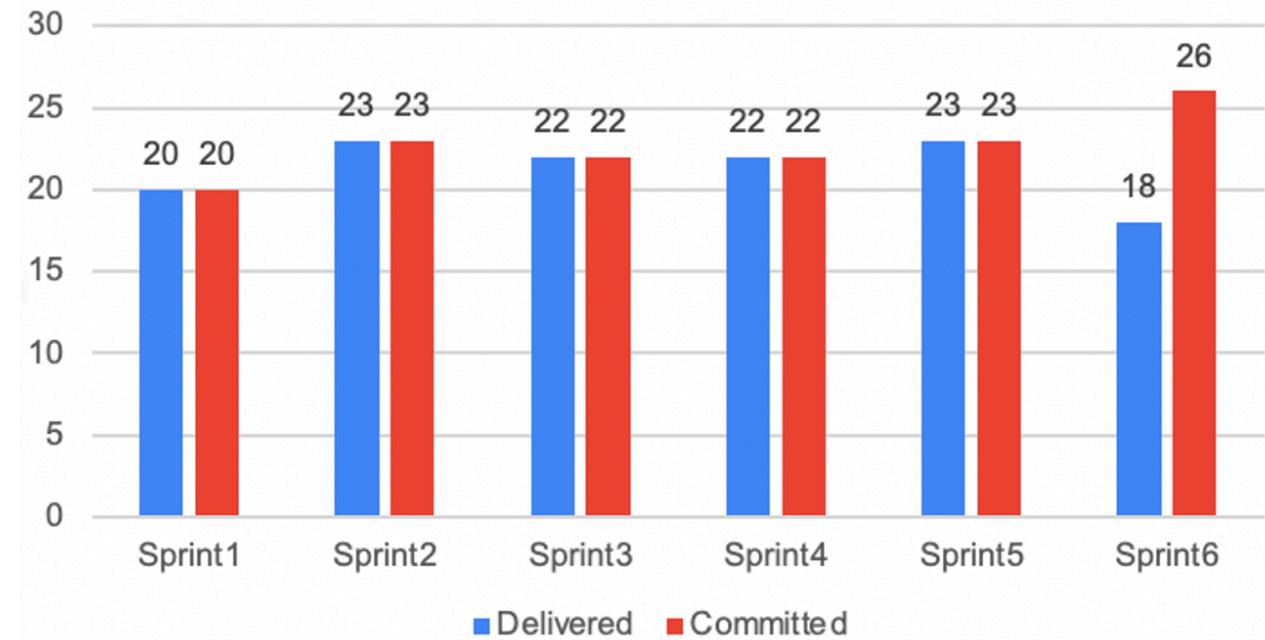
## Roadmap

Chart Comparing Sprint Velocity of Teams 1 vs Team 2

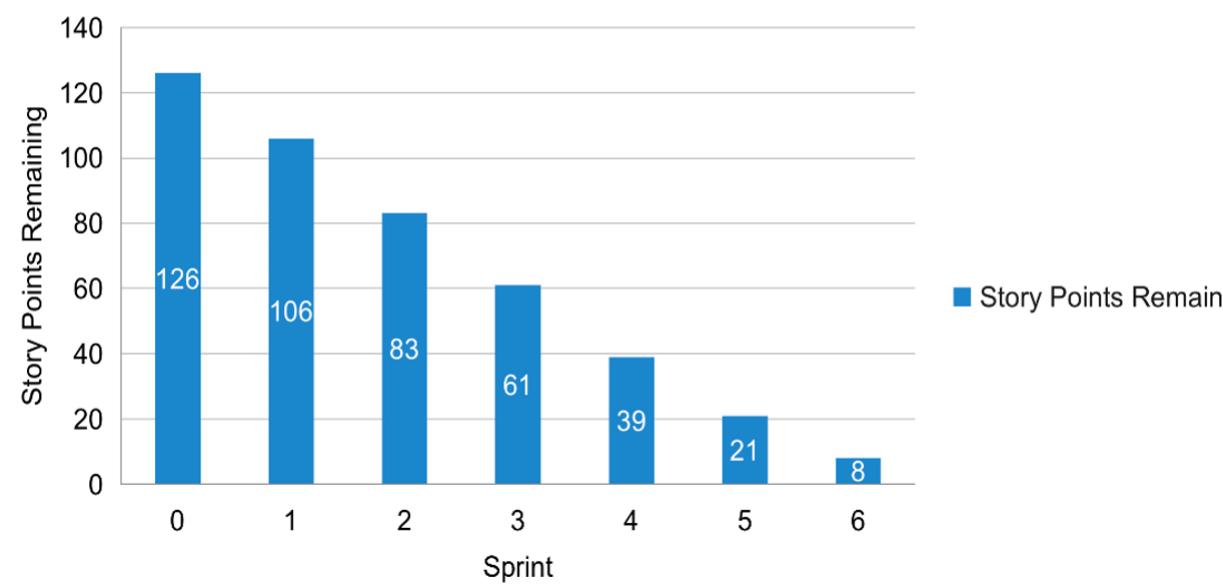


# BVIR FOR MANAGEMENT

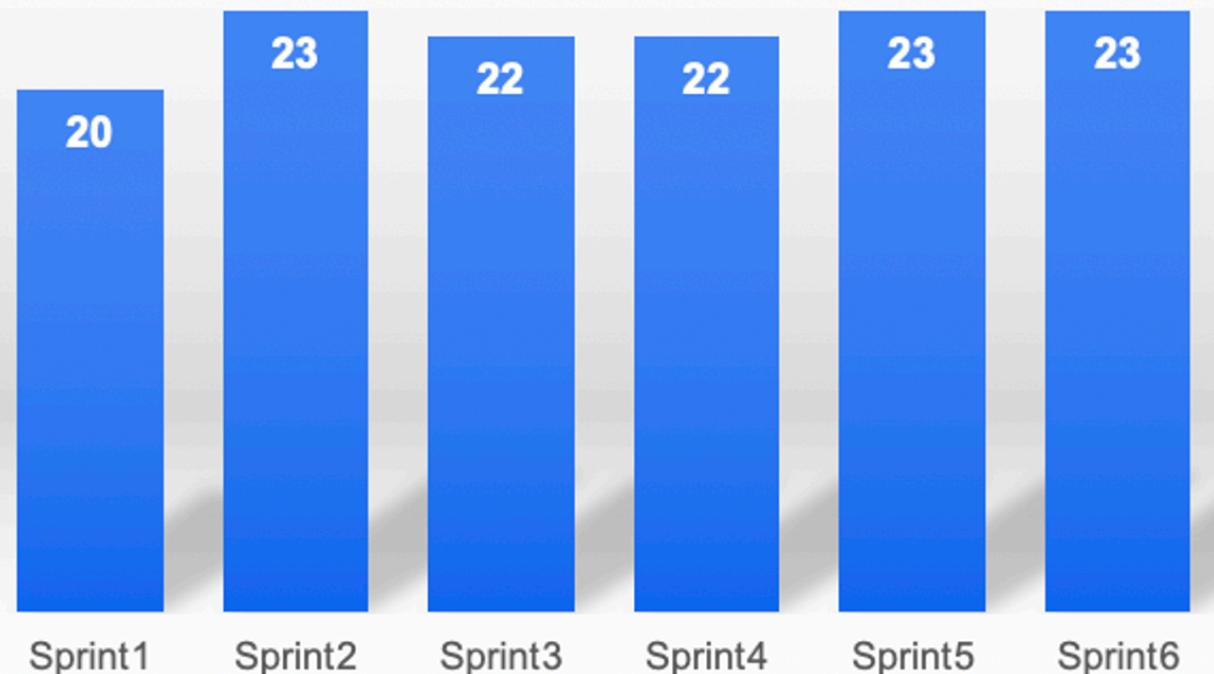
Delivered vs. Committed



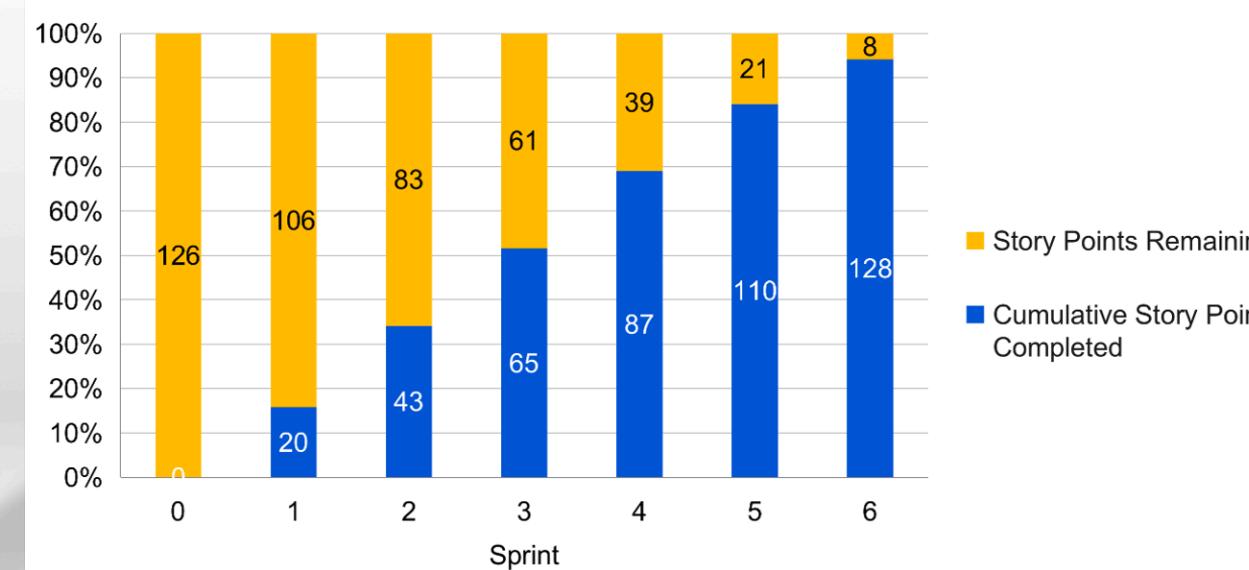
Burn Down



Velocity



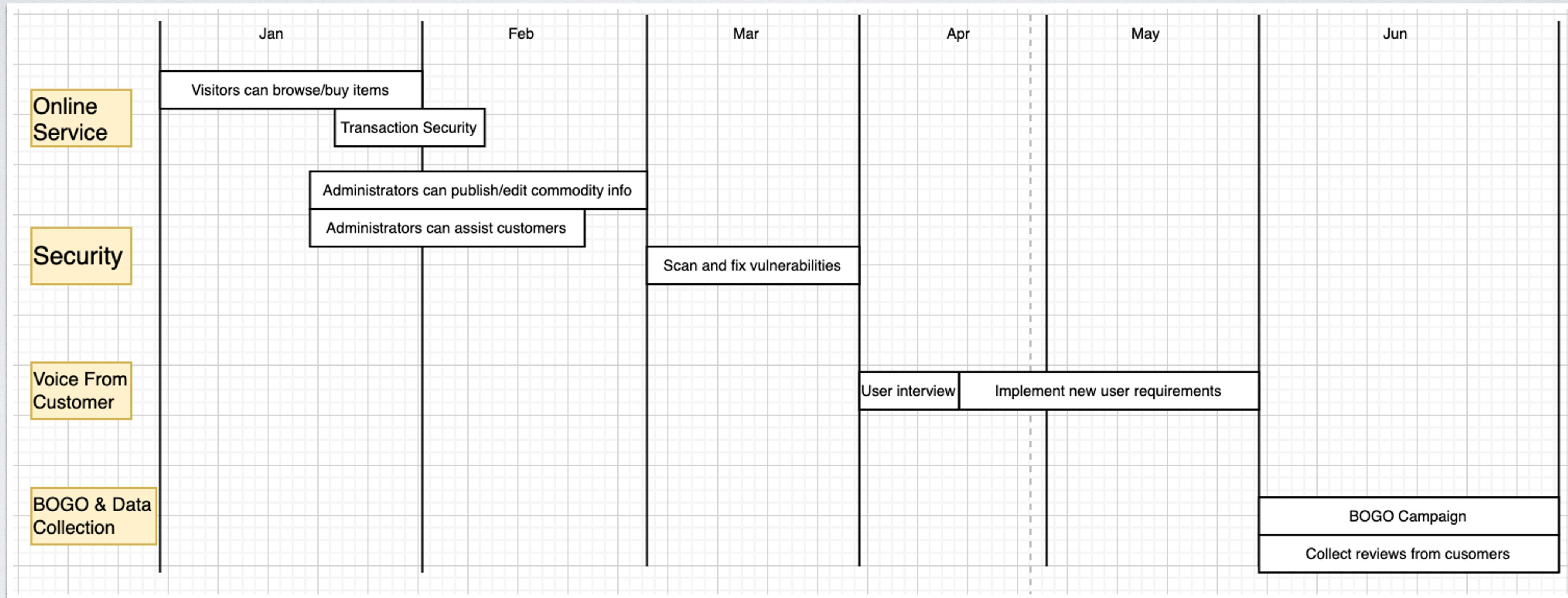
Burn Up/Story Points



## MVP VISION

We are building a world class e-commerce platform aiming at provide the world-class online shopping experience.

# BVIR FOR MANAGEMENT: ROADMAP



# CREATING THE BVIR FOR MANAGEMENT



**Now that you have created your BVIR for management, you need to create a video or written narrative explaining the MVP delivery status. Use this slide to write your narrative or plan what you want to say in your video. Include the following :**

- **Team Name:** OneTeam
- **Vision:** We are building a world class e-commerce platform aiming at provide the world-class online shopping experience.
- **Sprint Burn Down Charts for Sprints 1-6:** Already shown
- **Sprint Burn Up Charts for Sprints 1-6:** Already shown
- **Project status (complete / incomplete):** 5 story points remain

# QUESTIONS FROM MANAGEMENT

- Video 1 Answer:
  - As we agreed to follow Agile, where we accept imperfect product, which we will continually.
  - Besides, the main functions are there, and the user feedback is acceptable. I think it is safe to release it.
- Video 2 Answer:
  - We made immediate response to unexpected circumstances as many software companies have encountered cyber attacks. It's not wise no to fix the vulnerabilities and just stick to the plan, we might loss more.
- Video 3 Answer:
  - Working for 24/7 may solve the problem, and we are not even sure if it will happen, but it is not a healthy working style at all.
  - In the agile development, we want to maintain a constant pace indefinitely, and this will cause major burn out to our team capacity.
- Video 4 Answer:
  - Let's have second sprint and complete what we will be done ...