

Agile Communication Project

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Agile Communication Project

Sprints 1-3

Sprints 1-3 Questions

What is your Velocity for the past 3 sprints?

Average Velocity = (sprint 1 story pts + sprint 2 pts + sprint 3 points) / 3

= 20 + 23 + 22 = 65/3

Avg velocity for past 3 sprints = 21.7

How do you know your Velocity is correct?

The team has completed 65 stories in 3 sprints, with an average of 21.7 story points completed. The number is close to the number of story points completed in each sprints.

What would the BURN DOWN chart look like for Sprints 1-3?

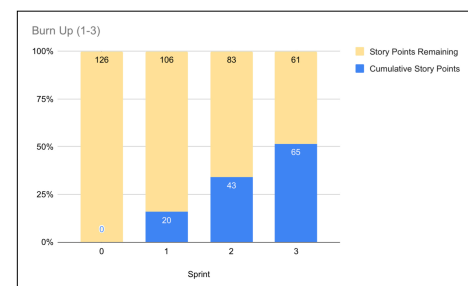
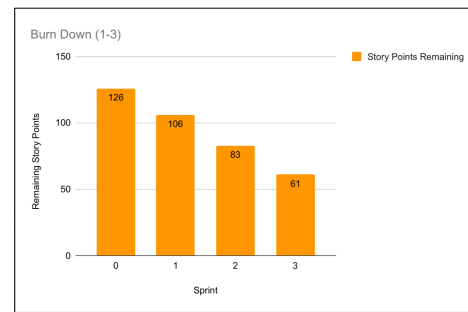
[Place your chart to the right]

What would the BURN UP charts look like for Sprints 1-3?

[Place your chart to the right]

How many points do you think the Team should commit to for Sprint 4 and justify your answer?

The Team should commit to 23 points, which is the maximum number of story points they should commit to. This will allow the team to address new cybersecurity concern and prioritize the user stories relating to it.



Agile Communication Project

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
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?

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What would the BURN UP charts look like for Sprints 1-4?

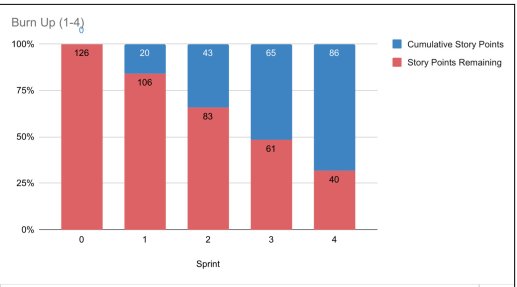
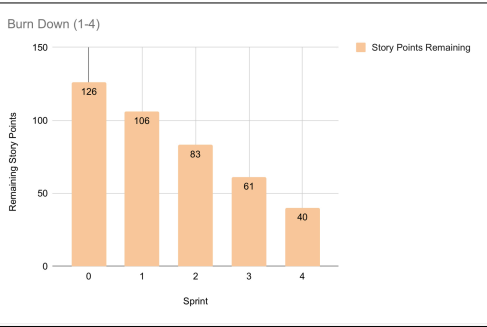
[Place your chart to the left]

What Risks did you identify in Sprint 4 and how do they affect the project? (Note: These would be your narrative findings)

Risks in Sprint 4 include cybersecurity breaches that might occur to software, which is against the Agile principle of 'working software' and does not promote technical excellence. Theis potential risk could impact stakeholders' confidence in the software, so as per the Agile principle: the business people (stakeholders) and developers should work together to avoid this problem.

What Theme or Name did you give to Sprint 4?

The theme of Sprint 4 is about conquering to reach the finish line an complete the remaining story points, so I gave them the name: The Conquerers.



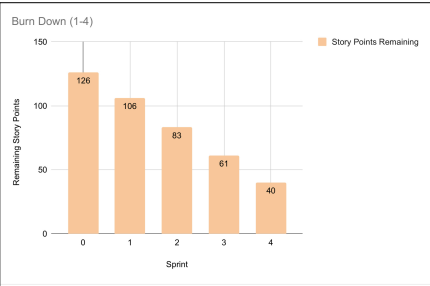
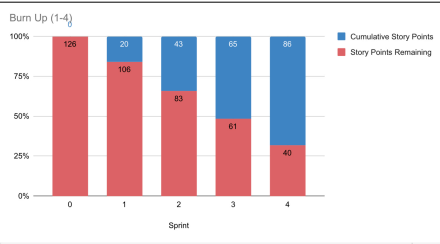
SPRINT 4 DEMO of Working Product

Sprint 4 Name
“Redefining Cybersecurity“

User Stories in Sprint 4

1. Story 15 x with 13 points
2. Story 21 x with 8 points

Total Sprint 4 Points: 21



Narrative: software companies are having to confront cybersecurity gaps, which is impacting their software -> stakeholders are becoming concerned and as part of Agile principle promoting cooperation between business people+developers, the concern must be addressed in the new works team.

Results: reprioritize story points that were previously in backlog to meet customer and business people expectations + ensure best Agile practices.

Learnings: manage software risks to meet customer expectations, Agile must promote technical excellence via delivering safe software/

Risks: increased budget due to the need of cybersecurity software (website scan for SAM, Git for Debbie), stakeholder doubts.



Agile Communication Project

Sprint 5

Sprint 5 Questions

What would the BURN DOWN chart look like for Sprints 1-5?

[Place your chart to the left]

What would the BURN UP charts look like for Sprints 1-5?

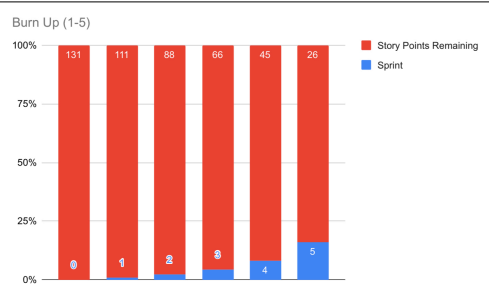
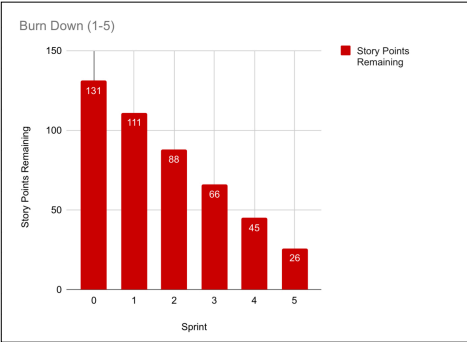
[Place your chart to the left]

What Risks did you identify in Sprint 5 and how do they affect the project? (Note: These would be your narrative findings)

The main identified Risk in this project was feedback from a customer (end-user) that was brought up by a stakeholder to the PO regarding slow responsiveness of the website. We were able to incorporate this feedback, because Agile principles promotes a willingness to change in order to gain the customer’s competitive advantage.

How confident are you in delivering all of the user stories by the end of Sprint 6? Justify your answer.

The team thus far has been self-organized and motivated to complete the project, I am very confident in our ability to complete all user stories and incorporate new requirements, should they arise.



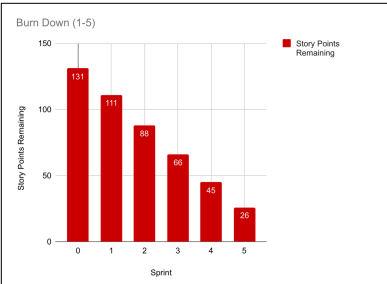
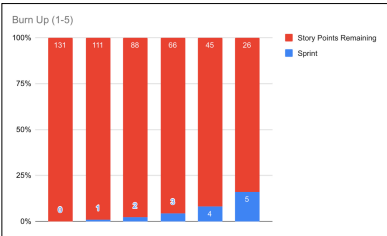
SPRINT 5 DEMO of Working Product

Sprint 5 Name
“Excellence and Speed“

User Stories in Sprint 5

- 1. Story 22 x with 5 points
- 2. Story 17 x with 5 points
- 3. Story 20 x with 8 points
- 4. Story 19 x with 1 point

Total Sprint 5 Points: 19



Narrative: end-user shares feedback with PO about website speed which would improve user experience; PO takes this feedback and creates a user story accordingly.
Results: PO was able to prioritize this feedback as a user story for this sprint and the Team decided on 19 story points for this spring; the team will embrace Agile principle to ensure technical excellence in order to retain Edith and future customers.
Learnings: it is crucial to have a Team that is focused on improving user experience in order to continue delivering working software that’s also technically excellent.
Risks: overall this is a potential setback to work stream but should not affect budget.

Agile Communication Project

Sprint 6

User Story #	User Story	Story Pts	Priority	Sprint
23	As an END-USER, I want to be able to purchase sale items for an equal or lower price as part of BOGO (buy one, get one free) for the next 30 days.	5	20	6
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	21	6
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	22	6

What would the BURN DOWN chart look like for Sprints 1-6?

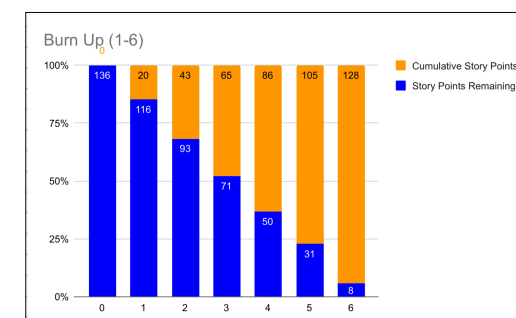
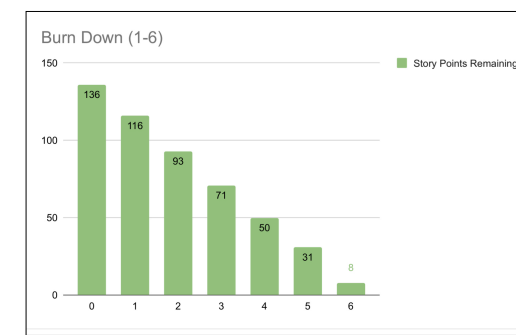
[Place your chart to the left]

What would the BURN UP charts look like for Sprints 1-6?

[Place your chart to the left]

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.

Unfortunately, the Team had to leave behind User Story #16 relating to MARK's review of sale trends over time in order to prioritize CARLOS' User Story #14. The Team agreed that CARLOS' work to approve review would help gain more sales during BOGO, which is more important than Mark's task for sprint 6. As such, that User Story will be used in another iteration/ completed independently.



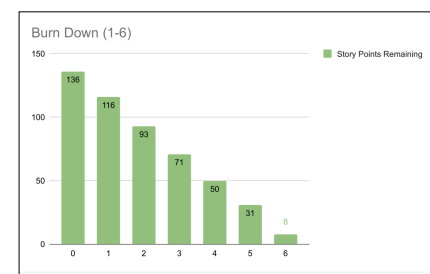
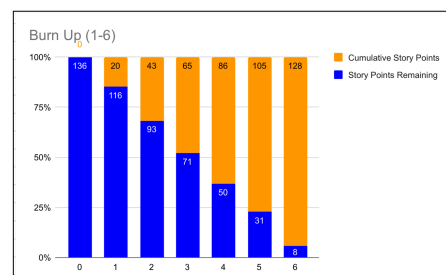
SPRINT 6 DEMO of Working Product

Sprint 6 Name
“Reaping All The Effort”

User Stories in Sprint 6

1. Story 23 x with 5 points
2. Story 18 x with 13 points
3. Story 14 x with 5 points

Total Sprint 6 Points: 23



Narrative: the Team puts together a User Story focused on the end user, in order to promote a BOGO (buy one, get one free) flash sale after the emergence of a pandemic that forces businesses away.

Results: the Team successfully delivers the User Story, leaving behind the Manager's (MARK) review of sale trends over time; the backlog is a User Story worth 8 points.

Learnings: it is more important to deliver working software that is focused around the customer, which is why Carlos' User Story had to be part of the final sprint whereas Mark's User Story can be provided in another sprint(s) after the sale ends.

Risks: The final User Story in backlog currently might make it difficult for Mark to consolidate the sale trends later on, but with a joint effort the Team will be able to complete that story some other time.

BVIR for Management Questions

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

Move the Orange boxes to the correct column below

[**Burn Down Charts:** quick to understand, provides a visual for how much user stories were done versus how much are left; ability to calculate average velocity per sprint.

Committed vs Delivered (vs Missed): this will allow Management to compare the story points committed, delivered, and missed.

Included

Burn Down Charts

Committed vs. Delivered Chart

Not included

Burn Up Charts

Story Point Cost per Team

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?

I choose 2) because the Agile principle is based around transparency and working as a Team of more than just developers, but also business people/management. With this communication and cooperation, technically-excellence software can be delivered while also meeting customer demands/expectations and satisfying stakeholders.

Creating the BVIR for Management

Questions to answer before you start the BVIR

Is it project considered a failure because backlog items still remain? Explain.

No, because an Agile mindset reflects shifting priorities and needs at the time of developing software. So that items with the highest priority reflect Minimum Viable Product (MVP) as well as emerging feedback received, then listed as a user story, which becomes a priority for the upcoming sprint. In Agile, this is a feature, not a bug, to ensure the software delivered is aligned with the vision of stakeholders, customers, and meets technical demand of simplicity and working software.

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. Remember to fill in information in the boxes where it is needed]

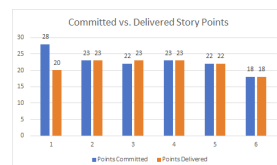
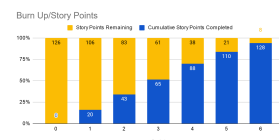
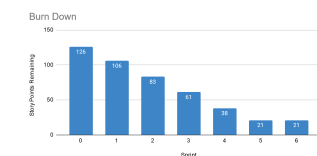
MVP VISION

Team
Name

Roadmap

Chart Comparing
Sprint Velocity of
Teams 1 vs Team 2

Chart showing cost
per story point

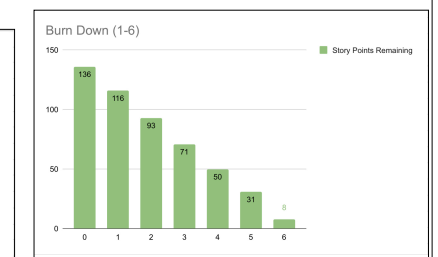
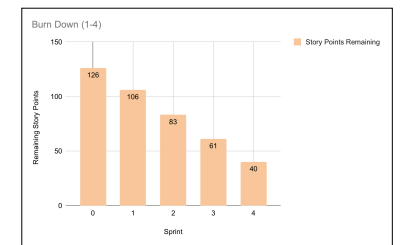
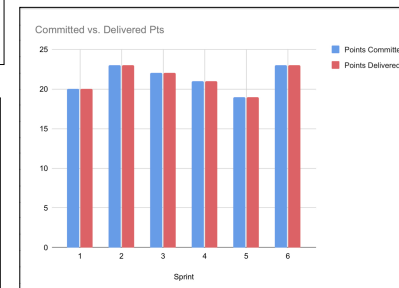
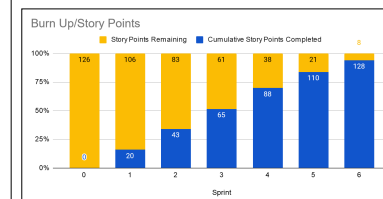
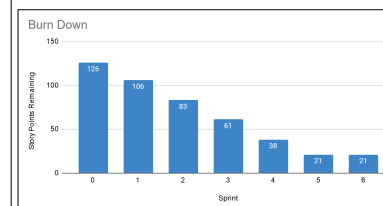


BVIR for Management

[Use this slide to create your BVIR. We have not provided a template for this, you get to decide what it looks like using the information from the previous slide]

MVP VISION

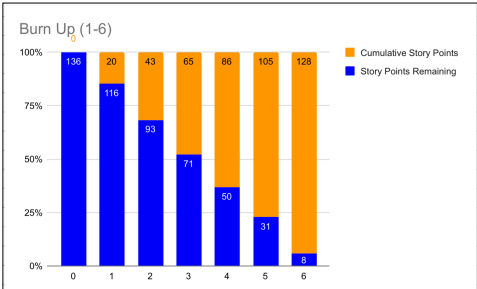
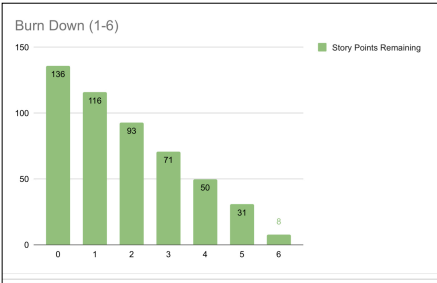
The
A-
Team



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 (at the minimum) the following:

- 1.The A-Team
- 2. Our aim is to create a website that is relatively modern, combining concepts of modular design, containerization and cloud technologies. We aim to deliver this software in 12wks for the beta version, using a canary rollout strategy. The remaining 90% customers will be taken to the default site. The feedback we receive from the 10% of customers will be critical in helping us deliver an excellent product.
- 3.Sprint Burn Down Charts for Sprints 1-6
- 4.Sprint Burn Up Charts for Sprints 1-6
- 5.Project status (complete / incomplete)



Questions from Management (Using Videos would be great!)

Instructions:

Watch the videos in the classroom.

Record your videos or provide your answers below. Remember to justify your answer.

Video # 1 Answer: I fully understand your concern, but the Agile Manifesto is focused on working software over comprehensive documentation and responding to change over following a plan. The Team is confident that the MVP is a working software, and rather than working to add more user stories, we can release the MVP and respond to customer feedback to help build the perfect product all of us envision. We were able to accomplish this even in our MVP by taking feedback from Edith, a customer who shared concerns about the website being slow. We did it before, we know we can do it again!

Video # 2 Answer: As part of embodying the Agile principles, our plans shifted at times and we deviated from them in order to prioritize new feedback from customers to ensure a smooth user experience or from Management to help ensure a working software. Our main concern initially was cybersecurity, so we addressed that risk prior to working on plans relating to sales or a smoother user experience. This continuous attention to technical excellence (cybersecurity) an incorporating customer feedback even late in the game during Sprint 5 is all part of being an Agile Team.

Video # 3 Answer: Our Team is a self-selecting and self-motivated group of individuals who came together to build this website. As part of Agile Principles, we build projects around those motivated individuals, giving them the environment and support they need and trust them to complete the job. If there was a backlog, then we believe the Team does not think the remaining user story significantly contributes to the MVP, as as such does not reflect on the Agility of the team itself. The priority was simple, working software, that is technically excellent and satisfies customers. However, the Team will reflect and try to be more effective in the future.

Video # 4 Answer: We would recommend moving to the highest priority project, especially if the only reasoning for a 7th Sprint was the remaining User Story worth 8 story points. However and unless valuable feedback is received from either of you on the Management side or from customers who were not satisfied with the product, we highly recommend releasing the MVP and updating the software frequently with any feedback received.