

# Sprint Burn Down Templates

**Instructions: What are these charts? How do I work them?**

[Updated 2020](#)

## Classic Agile Iteration Charts

- A Burn DOWN for hours (and a version without this, as it's a bit out of fashion these days)
- A Burn UP for story points
- A Cumulative flow chart to help you to identify bottlenecks in your workflow.

## How do I use this Template?

- Choose "Make a copy" from the "File" menu above.
- This will save an editable version to your own Google Drive.
- Overwrite the content of the **white cells**, *don't delete rows or the calcs in the grey or coloured cells!*
- By entering data in the input grids, the charts will just happen
- *Even if you don't use all of the Cumulative flow, keep track of stories completed in the "Done" row*

## What do the charts show?

### Burn Down

*Estimated number of hours remaining to complete the sprint goal.*

- Normally updated each day, immediately after the stand-up meeting
- The Scrum Master adds up all of the estimated hours remaining on all incomplete user stories
- Also shows the total number of hours available to the team in the remaining days of the sprint
- So, it's designed whether things are on track, ahead or behind schedule
- In recent experience (2020), fewer teams do this. So there's a version here without this chart included

### Burn Up

*Story points completed daily, throughout a sprint.*

- Very similar to the burn down
- Rather than tracking work still to be done, it tracks work that has been completed
- Shows the accumulation of "Done" story points throughout the course of a sprint.

## **Cumulative Flow**

*Tracks: Efficiency through stages in the delivery process*

- Highlights workflow bottlenecks, by charting the progress of stories through each stage of the sprint
- The coloured bands each represent one stage in the development workflow
- In a “pull” system, a widening of a coloured bands will indicate a bottleneck in the phase that follows
- It could in practice though (when used in Scrum), indicate a lag in the phase itself

## **Let me know how you go!**

You are free copy this doc, and use it in any way you like. Knock yourself out. It'd be great if you could post a link back to the blog (somewhere) if you find the charts give you some help at work!

<http://scrumage.com/>

If you find any errors, or think of ways to improve these charts, don't keep it to yourself. Any feedback at all is great.

**Adrian**  
adrian@fittolani.com

Sprint	# Days in this sprint	13	Total number of work days in Sprint (exclude public holidays etc)														
	Points Target	253	Story Points in sprint after Sprint Planning														
	Number of Stories	48	Stories in sprint after Sprint Planning														
Points	Date	0	3/8	3/9	3/10	3/11	3/12	3/13	3/14	3/15	3/16	3/17	3/18	3/19			
	Forecast Burn	0	18.25	40.50	58.75	84.00	110.25	136.50	156.75	180.00	194.25	213.50	238.75	263.00			
	Required Burn	0	21.92	43.83	65.75	87.67	109.58	131.50	153.42	175.33	197.25	219.17	241.08	263.00			
	Done	0	8.50	14.50	25.00	38.50	59.50	69.00	76.00	108.00	126.50	147.5	170.5	192.5			
Stories	Elapsed Days	0	3/8	3/9	3/10	3/11	3/12	3/13	3/14	3/15	3/16	3/17	3/18	3/19			
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Change From Planned																	



Sprint	# Days in this sprint	13	Total number of work days in Sprint (exclude public holidays etc)													
	Points Target	223	Story Points in sprint after Sprint Planning													
	Number of Stories	46	Stories in sprint after Sprint Planning													
Points	Date	0	3/8	3/9	3/10	3/11	3/12	3/13	3/14	3/15	3/16	3/17	3/18	3/19		
	Forecast Burn	0	15.25	30.50	48.75	71.00	93.25	116.50	133.75	153.00	164.25	180.50	201.75	223.00		
	Required Burn	0	18.58	37.17	55.75	74.33	92.92	111.50	130.08	148.67	167.25	185.83	204.42	223.00		
	Done	0	8.50	14.50	25.00	38.50	59.50	69.00	76.00	108.00	126.50	147.5	170.5	192.5		
Stories	Elapsed Days	0	3/8	3/9	3/10	3/11	3/12	3/13	3/14	3/15	3/16	3/17	3/18	3/19		
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Change From Planned																



Member	Matthew Chen																		
Sprint	# Days in this sprint	12	Total numb Story Point																
	Points Target	50																	
	Number of Stories	17		Storie															
Points			Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat					
	Date	0	3/8	3/9	3/10	3/11	3/12	3/13	3/14	3/15	3/16	3/17	3/18	3/19					
	Forecast Burn(BRD)	0	5.00	6.00	10.00	16.00	22.00	28.00	29.00	34.00	35.00	40.00	45.00	50.00					
	Required Burn(BRD)	0	4.17	8.33	12.50	16.67	20.83	25.00	29.17	33.33	37.50	41.67	45.83	50.00					
	Done	0	4.50	5.50	9.00	14.50	19.50	25.00	27.00	34.00	37.50	42.5	47.5	52.5					
Stories	Elapsed Days	0																	
	Authentication Frontend	0	0	0	2	3	3.5	4	4	4	4	4	4	4	4				
	Authentication Frontend Testing	0	0	0	1	2	3	4	4	4.5	5	5	5	5	4				
	Authentication Documentation	0	0	0	0	0	0	0	1	1	1	1	1	1	1				
	Authentication/Authorization Code	0	0	0	0	0	1	2	2	4	4.5	4.5	4.5	4.5	3				
	Middleware Authentication/Authorization Testing	0	0	0	0	0	2	4	4	6	7	7	7	7	6				
	Request OTP Frontend	0	0.5	0.5	1	1	1	1	1	1	1	1	1	1	1				
	Request OTP Frontend Testing	0	0	0	0	0.5	1	2	2	2.5	3	3	3	3	2				
	Request OTP Documentation	0	0	1	1	1	1	1	1	1	1	1	1	1	1				
	Logout Design	0	0	0	0	2	2	2	2	2	2	2	2	2	2				
	Logout Frontend	0	0	0	0	1	1	1	1	1	1	1	1	1	1				
	Logout Frontend Testing	0	0	0	0	0	0	0	0	2	3	3	3	3	2				
	Logout Documentation	0	0	0	0	0	0	0	1	1	1	1	1	1	1				
	Logging Backend	0	0	0	0	0	0	0	0	0	0	2	2	2	3				
	Logging Backend Testing	0	0	0	0	0	0	0	0	0	0	2	3	3	5				
	Archiving Backend	0	0	0	0	0	0	0	0	0	0	1	2	4	4				
	Archiving Backend Testing	0	0	0	0	0	0	0	0	0	0	0	3	6	6				
	7Zip DAR	0	4	4	4	4	4	4	4	4	4	4	4	4	4				

ELAPSED DAYS

44635

Points Burn Up

This line chart tracks the burn rate of points. The x-axis shows dates from 3/8 to 3/14. The y-axis shows points from 0 to 40. A green line represents the Required Burn (BRD), a dashed line represents the Forecast Burn (BRD), and a purple line with dots represents the Done status. The Done status is consistently below the Required Burn line.

Date	Forecast Burn (BRD)	Required Burn (BRD)	Done
3/8	0	0	0
3/9	2	4	2
3/10	4	8	4
3/11	6	12	6
3/12	6	16	6
3/13	10	20	10
3/14	14	24	14

TAKT

0.47

Cumulative Flow & Stories Done

This chart shows the cumulative number of stories completed. The x-axis shows dates from 3/8 to 3/14. The y-axis shows the number of stories from 0 to 20. A yellow line with dots represents the cumulative count, and the area below it is filled with blue. The cumulative count increases steadily over time.

Date	Cumulative Stories Done
3/8	2
3/9	4
3/10	6
3/11	8
3/12	8
3/13	12
3/14	14

POINTS DONE

17.00

STORIES DONE

17





Member	Viet Nguyen															
Sprint	# Days in this sprint	12	Total number of work days in Sprint (exclude public holidays etc)													
	Points Target	35	Story Points in sprint after Sprint Planning													
	Number of Stories	8	Stories in sprint after Sprint Planning													
Points	Date	0	3/8	3/9	3/10	3/11	3/12	3/13	3/14	3/15	3/16	3/17	3/18	3/19		
	Forecast Burn	0	1	2	4.0	7	10	14	18	23	24	28	32	35		
	Required Burn	0	2.91	5.83	8.75	11.66	14.58	17.50	20.41	23.33	26.25	29.16	32.08	35.00		
	Done	0	1	2	4	5	8	10	12	14	17	18	23	27		
Stories	Elapsed Days	0	3/8	3/9	3/10	3/11	3/12	3/13	3/14	3/15	3/16	3/17	3/18	3/19		
	Account Deletion - Backend Testing	0	0	1	2	4	4	6	8	10	10	10	10	10		
fill or leave blank as required >>	Account Deletion - Documentation	0	0	1	1	1	1	1	1	1	1	1	1	1		
	Account Deletion - Implementation (Frontend)	1	2	2	2	3	4	4	4	4	4	4	4	4		
fill or leave blank as required >>	Account Deletion - Frontend Testing	0	0	0	0	0	1	1	1	1	1	1	1	1		
	UM - Implementation (Backend)	0	0	0	0	0	0	0	0	0	0	0	0	0		
fill or leave blank as required >>	UM - Implementation (Frontend)	0	0	0	0	0	0	0	0	0	0	0	0	0		
	UM - Backend testing	0	0	0	0	0	0	0	0	0	0	0	0	0		
fill or leave blank as required >>	UM - Frontend testing	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Account Deletion - Backend Revisions									1	2	7	11			
Change From Planned																

Points Burn Up

Points Burn Up chart showing Forecast Burn, Required Burn, Done, Elapsed Days, Account Deletion - Backend Testing, and Account Deletion - Frontend Testing over time.

Cumulative Flow & Stories Done

Cumulative Flow & Stories Done chart showing Account Deletion - Backend Revisions, UM - Frontend testing, UM - Backend testing, UM - Implementation, and Account Deletion - Frontend Testing over time.

ELAPSED DAYS

44639

POINTS DONE

27

No data

This chart, titled "Cumulative Flow & Stories Done", displays the cumulative progress of a project over time. The Y-axis represents the number of stories, ranging from 0 to 50. The X-axis shows dates from 3/8 to 3/18. The chart features three stacked areas: a blue area at the bottom representing "Stories Done", a red area in the middle representing "Stories In Progress", and a yellow area at the top representing "Stories To Do". The total height of the stacked areas represents the total number of stories in the project. The blue area shows a steady increase, reaching approximately 10 stories by 3/18. The red area shows a steady increase, reaching approximately 10 stories by 3/18. The yellow area shows a steady increase, reaching approximately 10 stories by 3/18.

Date	Stories Done (Blue)	Stories In Progress (Red)	Stories To Do (Yellow)	Total Stories
3/8	1	0	0	1
3/9	2	0	0	2
3/10	3	0	0	3
3/11	4	0	0	4
3/12	5	0	0	5
3/13	6	0	0	6
3/14	7	0	0	7
3/15	8	0	0	8
3/16	9	0	0	9
3/17	10	0	0	10
3/18	10	0	0	10

[illegible]

Sprint

# Team Members  
# Hours in 1 work day  
# Days in this sprint  
Points Target  
Number of Stories

4  
7.5  
10  
36  
8

Used for hours burn down (not as many teams do this these days)  
Used for hours burn down (not as many teams do this these days)  
Total number of work days in Sprint (exclude public holidays etc)  
Story Points in sprint after Sprint Planning  
Stories in sprint after Sprint Planning

Hours

Day  
Available  
Task Hrs Remaining

1 2 3 4 5 6 7 8 9 10  
300 270 240 210 180 150 120 90 60 30  
400 400 380 400 300 300 300

Points

Day  
Forecast Burn  
Required Burn  
Done

1 2 3 4 5 6 7 8 9 10  
3 6 9 11 14 17 20 23 26 29  
4 7 11 14 18 22 25 29 32 36  
3 6 11 11 19 19 20

Stories

Elapsed Days  
Done

1 2 3 4 5 6 7

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Process B (eg "Test")  
Process A (eg "Dev")  
To Do  
Change From Planned

1 2 3 3 4 4 5  
  
  
  
  
  
0 1 2 1 1 2 1  
3 2 2 3 3 2 2  
4 3 1 1 0 0 0  
0 0 0 0 0 0 0

Hours Burn Down

400  
200  
0

1 2 3 4 5 6 7 8 9 10

Available  
Task Hrs Remaining

ELAPSED DAYS

7

TAKT

1.40

POINTS DONE

20

STORIES DONE

5