Project Name	Deskstar- Shared Desk Management
Online team meeting	https://fau.zoom.us/j/67736491695
Industry partner meeting	https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDcxZjQwZWItZmVhMC00OGE5LWE3ODEtNzA2NzYzN2Q2NWYx%40thread.v
Teamevent (20.12.2022 - 19:00)	https://fau.zoom.us/j/67736491695
Workshop (12.01.2023 at 18:00)	https://teams.microsoft.com/l/meetup-join/19%3ameeting_YjQxY2YzMTEtODliMy00ZDA5LTkxYzktZGY1ZGU2YjNkOTU4%40thread.v2/0?
Production system (if any)	tbd
Test system (if any)	tbd
GitHub repository	https://github.com/amosproj/amos2022ws05-shared-desk-mgmt
GitHub old feature board	https://github.com/users/qy21gafy/projects/1
GitHub impediments backlog	https://github.com/users/alexKoltman/projects/1
Team T-shirt(male, white)	https://www.shirtinator.de/t-shirts/gestalten/t-shirt-bedrucken#/load/share/e8796f55-a624-4411-be2d-19c5fc40fe60
Team T-shirt(female, white)	https://www.shirtinator.de/t-shirts/gestalten/t-shirt-bedrucken#/load/share/ee000be6-db62-466b-8737-b83ec3d94fee
Team T-shirt(male,black)	https://www.shirtinator.de/t-shirts/gestalten/t-shirt-bedrucken#/load/share/bfc198a7-16be-4053-947c-b96cfdba9037
Team T-shirt(female, black)	https://www.shirtinator.de/t-shirts/gestalten/t-shirt-bedrucken#/load/share/b07bb9aa-eb45-4b7f-99db-b3d2ce39ff7f
Additional materials	https://www.planitpoker.com/board/#/room/df52fab68b324d348cced03a4527051d

Last Name	First Name	GitHub User Name	Email Address
Lang	Felix	xilef45	felix.l.lang@fau.de
Koltman	Alexander	alexKoltman	koltman.a@gmail.com
Pfahler	Stefan	stefanpfahler	stefanpfahler@gmx.de
Strobel	Svenja	qy21gafy	svenja.strobel@gmail.com
Sternberg	Fiona	faoilthiama	fiona.sternberg@fau.de
Palloshi	Ardian	ardianpalloshi	ardian.palloshi@fau.de
Reich	Moritz	n3rdc4ptn	m.reich.1@campus.tu-berlin.de
Hakimi	Eddy	eddyhakimi	eddi.hakimi@gmx.de
Woerndle	Philipp	woerndle	philipp11198@gmail.com
Tiegges	Jan	jantiegges	jan.tiegges@campus.tu-berlin.de

#	Meeting Day	Product Owner	Software Developer	Release Manager	Scrum Master	Comment
1	2022-10-19	Svenja Strobel, Ardian Palloshi	Everyone else	N/A	Alex Koltman	
2	2022-10-26	Svenja Strobel, Ardian Palloshi	Everyone else	Stefan Pfahler, Philipp Woerndle	Alex Koltman	
3	2022-11-02	Svenja Strobel, Ardian Palloshi	Everyone else	Stefan Pfahler, Philipp Woerndle	Alex Koltman	
4	2022-11-09	Svenja Strobel, Ardian Palloshi	Everyone else	Jan Tiegges, Moritz Reich	Alex Koltman	
5	2022-11-16	Svenja Strobel, Ardian Palloshi	Everyone else	Jan Tiegges, Moritz Reich	Alex Koltman	
6	2022-11-23	Svenja Strobel, Ardian Palloshi	Everyone else	Fiona Sternberg. Felix Lang	Alex Koltman	
7	2022-11-30	Svenja Strobel, Ardian Palloshi	Everyone else	Fiona Sternberg. Felix Lang	Alex Koltman	Mid-term due
8	2022-12-07	Svenja Strobel, Ardian Palloshi	Everyone else	Philipp Woerndle, Eddy Hakimi	Alex Koltman	
9	2022-12-14	Svenja Strobel, Ardian Palloshi	Everyone else	Philipp Woerndle, Eddy Hakimi	Alex Koltman	
10	2023-01-11	Svenja Strobel, Ardian Palloshi	Everyone else		Alex Koltman	
11	2023-01-18	Svenja Strobel, Ardian Palloshi	Everyone else		Alex Koltman	
12	2023-01-25	Svenja Strobel, Ardian Palloshi	Everyone else		Alex Koltman	
13	2023-02-01	Svenja Strobel, Ardian Palloshi	Everyone else		Alex Koltman	
14	2023-02-08	Svenja Strobel, Ardian Palloshi	Everyone else		Alex Koltman	Demo day!
15	2023-02-15	Svenja Strobel, Ardian Palloshi	Everyone else		Alex Koltman	Retrospective

Goals	• Create a web platform for shared desk management • Development of a prototype in the given project environment • Ease the process of booking desks for users • Achieve high grades
Meeting norms	• Arrive on time • Respect each other • Don’t intentionally interrupt each other • Keep your camera on • Be actively involved in questions and uncertainties • Don’t do work during the meeting
Working norms	• Respect the role (tasks should be given only according to your role) • Minimize procrastination • Have fun
Coordination norms	• Seek help on time when having difficulties • Be transparent
Communication norms	• Use Whatsapp for communication • Group e-mail • Be nice • Connect with each other out of the weekly meeting schedule • Language : Primary in English
Consideration norms	• Respect different knowledge levels • Equality • Every idea has equal weight and is worth mentioning • Don’t make changes or decisions without discussing with the team
Cont. improvement norms	• Feedback • Re-check code • Pair programming • Take time to read the topics and make sure you understand the task
Rewards	• Physical meet up for big celebrations • Virtual party
Sanctions	• Do pushups or sing if you are late • Discuss what went wrong and try to learn from it • Wear a Halloween costume during the team meeting

Signed by	Svenja Strobel, Fiona Sternberg, Felix Lang, Ardian Palloshi, Alex Koltman, Moritz Reich, Eddy Hakimi, Stefan Pfahler, Philipp Wörndle, Jan Tiegges

Product Vision	Project Mission
As a mix of homeoffice and working in the office is becoming more popular, many companies are reducing the number of desks in the workplace to save money. Deskstar allows employees to book desks from home to make sure they have a workplace available when traveling to the office. This way unnecessary trips are avoided when no desks are available and companies can find out in which areas more bookable resources are needed. Our service thus makes the lives of companies and their employees easier regarding novel hybrid working spaces.	Our project mission is to create a prototype version of a shared desk management system in the given timeframe as a web application supporting the most important requirements of our industry partner. Our system will cover basic booking functionalities for users as well as resource and user management for admins. To meet this goal, we will maintain a strong relationship within the team and with the industry partner and work together in a friendly atmosphere.

Term	Definition
Initial Admin	The initial admin of a company is the user that registers the company with the Deskstar service. He has the highest permission level including all admin features from the very beginning. He registers by notifying the Deskstar service that he wants to register his company with the service. Deskstar then adds the company and sends the initial admin initial login data so he can access his account.
Admin	An admin of a company is a user with admin priviledges that is not the initial admin of the company. He registers as a normal user for his company and has to be approved by another admin of his company for registration. Later he becomes an admin of his company by being granted admin priviledges by another admin of that company.
Normal user	A normal user of a company is a user that doesn't have admin priviledges. He has to register normally and be approved by an admin of his company to access the system.
User	A user is a user of the Deskstar service. He can be an initial admin, admin or normal user.

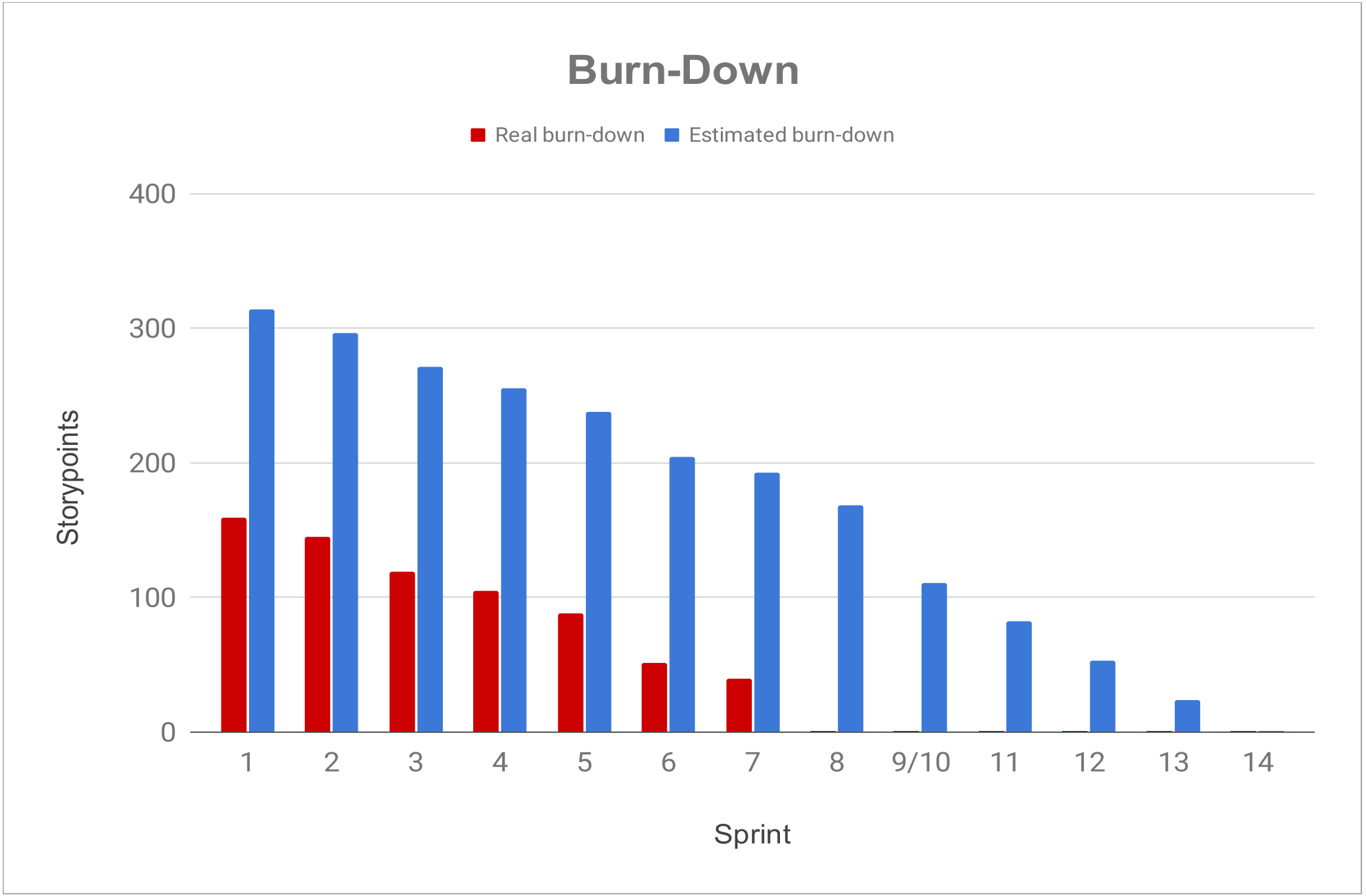
Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
Release							
	Total			112	0	103	0
Sprints							
1	Project kick-off	Agree on team contract, design logo and tshirt and meet with industry partner for the first time		0	112	0	103
2	Project setup	Design framework and build software bases		18	94	14	89
3	Login and registration setup	Continue project setup and get started on login and registration functions		27	67	26	63
4	Overview page design	Continue project setup and block out overview page		16	51	14	49
5	Main booking pages design	Finish login and registration and block out main booking pages		17	34	17	32
6	All main pages design	Finish blocking out main pages and start adding user functions		34	0	32	0
Features							
1	**Project kick-off**	**Agree on team contract, design logo and tshirt and meet with industry partner for the first time**					
2	**Project setup**	**Design framework and build software bases**					
			Build software base (front end)	3		3	
			Database design	5		5	
			Software architecture design	5		3	
			Build software base (back end)	5		3	
3	**Login and registration setup**	**Continue project setup and get started on login and registration functions**					
			Initialize database	5		5	
			Create a dev environment using docker-compose	3		5	
			Basic homepage UI	3		3	
			Logout function	2		1	
			Registration section UI	2		2	
			Login section UI	2		2	
			Registration function	5		5	
			Login function	5		3	
4	**Overview page design**	**Continue project setup and block out overview page**					
			Docker compose backend	3		3	
			Overview page UI	3		3	
			Overview page bookings backend	5		5	
			Design our software testing procedure	5		3	

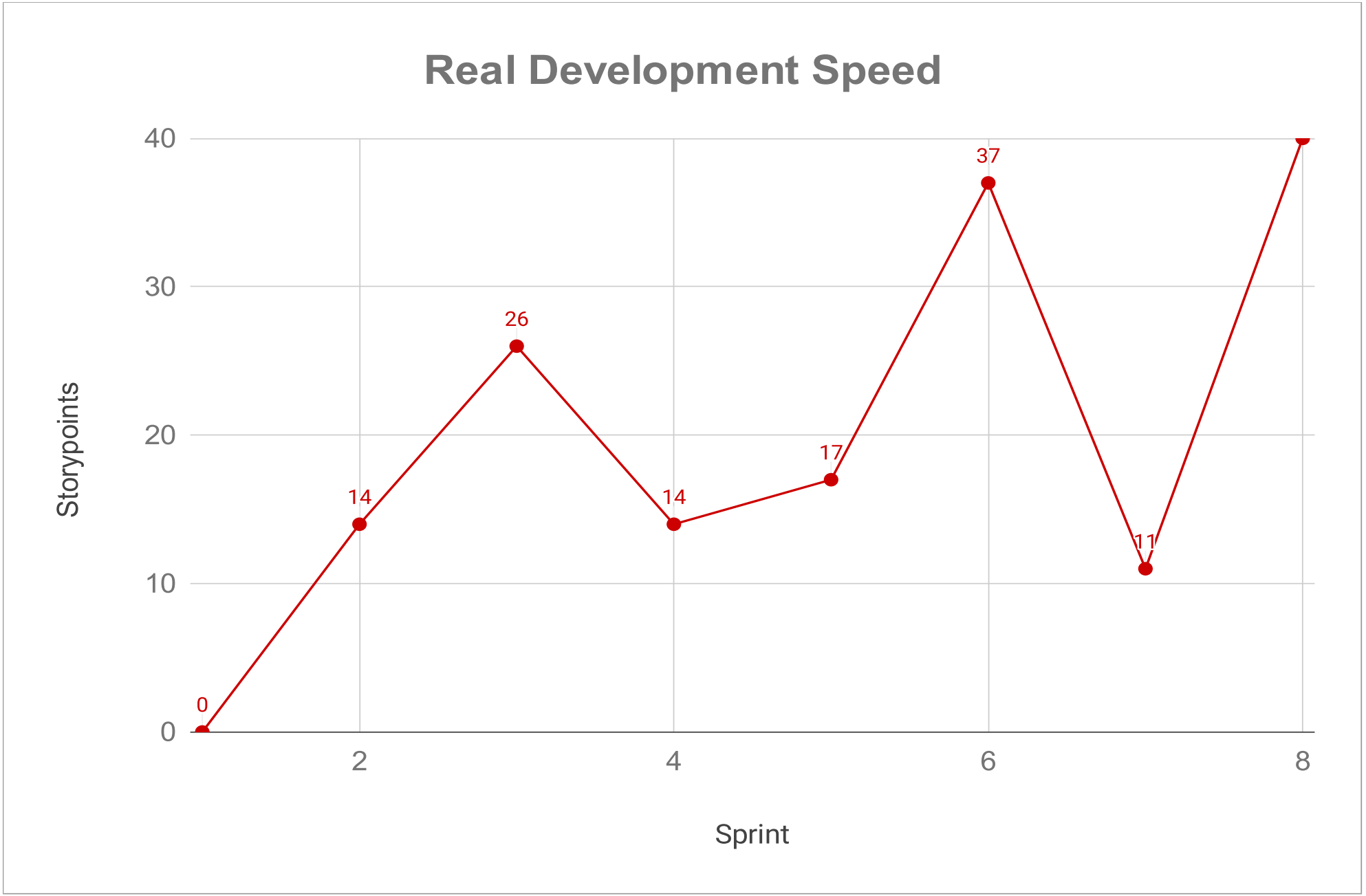
5	**Main booking pages design**	**Finish login and registration and block out main booking pages**					
			Booking overview backend	5		5	
			Add admin	5		5	
			Resource booking UI	5		5	
			Booking overview UI	2		2	
6	**All main pages design**	**Finish blocking out main pages and start adding user functions**					
			Resource management UI	5		5	
			User management UI	8		5	
			Personal desk booking page UI	5		8	
			Connect FE and BE for login+registration funtion	5		8	
			Optimize dark mode	1		1	
			Git commit pipeline	5		5	
			Connect FE and BE for bookings on overview page and bookings overview page	5		5	

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
Release							
	Total			314	168	159	0
Sprints							
1	Project kick-off	Agree on team contract, design logo and tshirt and meet with industry partner for the first time		0	314	0	159
2	Project setup	Design framework and build software bases		18	296	14	145
3	Login and registration setup	Continue project setup and get started on login and registration functions		25	271	26	119
4	Overview page design	Continue project setup and block out overview page		16	255	14	105
5	Main booking pages design	Finish login and registration and block out main booking pages		17	238	17	88
6	All main pages design	Finish blocking out main pages and start adding user functions		34	204	37	51
7	Add main functions	Further important functions necessary for the system		11	193	11	40
8	Finish main functions	Finish the main functionalities necessary for the system		25	168	40	0
9/10	Add resources + general improvements	Add functions to add resources + minor booking improvements + implement basic emails + system clean up		57	111	0	0
11	Complete user and resource management	Add advanced resource management and add edit/delete functions		29	82	0	0
12	Add final necessary features	Add features really necessary for a complete good running system		29	53	0	0
13	Advanced functionalities	Add advanced features for users and admins		29	24	0	0
14	UI improvement and final features	Improve and update the UI and add final bonus features		24	0	0	0
Features							
1	**Project kick-off**	**Agree on team contract, design logo and tshirt and meet with industry partner for the first time**					
2	**Project setup**	**Agree on team contract, design logo and tshirt and meet with industry partner for the first time**					
			Build software base (front end)	3		3	
			Database design	5		5	
			Software architecture design	5		3	
			Build software base (back end)	5		3	
3	**Login and registration setup**	**Design framework and build software bases**					
			Initialize database	5		5	
			Create a dev environment using docker-compose	3		5	
			Basic homepage UI	3		3	
			Logout function	2		1	
			Registration section UI	2		2	
			Login section UI	2		2	
			Registration function	5		5	

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
			Login function	3		3	
4	**Overview page design**	**Continue project setup and get started on login and registration functions**					
			Docker compose backend	3		3	
			Overview page UI	3		3	
			Overview page bookings backend	5		5	
			Design our software testing procedure	5		3	
5	**Main booking pages design**	**Finish login and registration and block out main booking pages**					
			Booking overview backend	5		5	
			Add admin	5		5	
			Resource booking UI	5		5	
			Booking overview UI	2		2	
6	**All main pages design**	**Finish blocking out main pages and start adding user functions**					
			Resource management UI	5		5	
			User management UI	8		5	
			Connect FE and BE for login+registration funtion	5		8	
			Personal desk booking page UI	5		8	
			Optimize dark mode	1		1	
			Git commit pipeline	5		5	
			Connect FE and BE for bookings on overview page and bookings overview page	5		5	
7	**Add main functions**	**Further important functions necessary for the system**					
			Move navigation bar to the side	3		3	
			User data endpoint	3		3	
			Create testing framework for front end	5		5	
8	**Finish main functions**	**Finish the main functionalities necessary for the system**					
			Connect user management to backend	3		3	
			Connect resource management to backend	3		3	
			Refactoring backend and frontend	5		8	
			Personal desk booking - search function	3		8	
			Resource booking - book function	3		8	
			Approve/Decline user	5		5	
			"Approve all" button	3		5	
9/10	**Add resources + general improvements**	**Add functions to add resources + minor booking improvements + implement basic emails + system clean up**					
			Add desk	8			
			Add room	5			
			Add floor	5			

Sprint	Theme	Goal	Feature Name	Est. Size	Est. Remaining	Real Size	Real Remaining
			Add desk type	3			
			Add building	5			
			Add booking pagination	3			
			Set up email server	5			
			Delete booking	3			
			Edit bookings	5			
			Check if admin route has a checker	2			
			Refactoring + version update	8			
			Fetch user data from user data endpoint	2			
			Send email when account is approved/rejected	3			
11	**Complete user and resource management**	**Add advanced resource management and add edit/delete functions**					
			Edit user	5			
			Delete user	3			
			Resource management rooms	5			
			Resource management buildings	5			
			Resource management floors	5			
			Resource management desk type	3			
			Delete resource	3			
12	**Add final necessary features**	**Add features really necessary for a complete good running system**					
			Edit resource	8			
			Initial admin registration	5			
			Show all booked and non booked desks	3			
			User Profile	5			
			Register with company name instead of ID	5			
			Last admin cannot delete access	3			
13	**Advanced functionalities**	**Add advanced features for users and admins**					
			Add meeting rooms	8			
			Book for someone else	5			
			Recurring bookings	8			
			Add groups	8			
14	**UI improvement and final features**	**Improve and update the UI and add final bonus features**					
			Reports	8			
			Verify email address	8			
			Clean up UI and improve design	8			


Burn-Down
Real burn-down
Estimated burn-down
400
300
200
100
0
Storypoints
1
2
3
4
5
6
7
8
9/10
11
12
13
14
Sprint


Real Development Speed
Storypoints
Sprint
40
30
20
10
0
2
4
6
8
0
14
26
14
17
37
11

#	Feature Definition of Done	Sprint Release Definition of Done	Project Release Definition of Done
	Acceptance criteria met	No severe bugs	All unit tests pass
	Code peer-reviewed (by at least one team member)	Code merged into development branch	Industry partner requirements are met
	Documentation updated if necessary	PO's approve release	No severe bugs left open
	Bill of materials updated if necessary	Code coverage >70% once unit tests are implemented	Developer documentation is completed and cleaned up
	Working dev setup	There is a tagged release candidate	

Type	Link / reference
Documentation section on GitHub	https://github.com/amosproj/amos2022ws05-shared-desk-mgmt/tree/develop/Documentation

#	Context	Name	Version	License	Comment
1	Nextjs Frontend	next	13	MIT	
2	Nextjs Frontend	tailwindcss	3.2.1	MIT	
3	Nextjs Frontend	postcss	8.4.18	MIT	
4	Nextjs Frontend	react	18.2.0	MIT	
5	Nextjs Frontend	react-dom	18.2.0	MIT	
6	Nextjs Frontend	nodejs	18.0.0	MIT	
7	Nextjs Frontend	eslint	8.26.0	MIT	
8	Nextjs Frontend	eslint-config-next	13.0.0	MIT	
9	Nextjs Frontend	typescript	4.8.4	Apache License 2.0	
10	Nextjs Frontend	next-auth	4.16	ISC	
11	Nextjs Frontend	daisyui	2.39.0	MIT	
12	Nextjs Frontend	react-icons	4.6.0	MIT	
13	Nextjs Frontend	@headlessui/react	1.7.5	MIT	
14					
15					
16	Docker	Docker	20.10	Apache License 2.0	
17	.NET Backend	AutoMapper	12.0.0	MIT	https://licenses.nuget.org/MIT
18	.NET Backend	Microsoft.AspNetCore.Authentication	2.2.0		https://raw.githubusercontent.com/aspnet/AspNetCo
19	.NET Backend	Microsoft.AspNetCore.Authentication.JwtBearer	6.0.10	MIT	https://licenses.nuget.org/MIT
20	.NET Backend	Microsoft.EntityFrameworkCore	6.0.10	MIT	https://licenses.nuget.org/MIT
21	.NET Backend	Microsoft.EntityFrameworkCore.Design	6.0.10	MIT	https://licenses.nuget.org/MIT
22	.NET Backend	Microsoft.EntityFrameworkCore.InMemory	6.0.10	MIT	https://licenses.nuget.org/MIT
23	.NET Backend	Microsoft.EntityFrameworkCore.SqlServer	6.0.10	MIT	https://licenses.nuget.org/MIT
24	.NET Backend	Microsoft.EntityFrameworkCore.Tools.DotNet	2.0.3	Apache-2.0	https://raw.githubusercontent.com/aspnet/Home/2.0
25	.NET Backend	Microsoft.NETCore.App	2.2.8		https://github.com/dotnet/core-setup/blob/master/LI
26	.NET Backend	Npgsql.EntityFrameworkCore.PostgreSQL	6.0.7	PostgreSQL	https://licenses.nuget.org/PostgreSQL
27	.NET Backend	Npgsql.EntityFrameworkCore.PostgreSQL.Design	1.1.0		https://raw.githubusercontent.com/npgsql/Npgsql.Er
28	.NET Backend	Swashbuckle.AspNetCore	6.2.3	MIT	https://licenses.nuget.org/MIT
29					
30	.NET Backend Test	coverlet.collector	3.1.2	MIT	https://licenses.nuget.org/MIT
31	.NET Backend Test	Microsoft.NET.Test.Sdk	17.1.0	LICENSE_NET.txt	https://www.nuget.org/packages/Microsoft.NET.Test
32	.NET Backend Test	Moq	4.18.2		https://raw.githubusercontent.com/moq/moq4/main/
33	.NET Backend Test	NUnit	3.13.3	LICENSE.txt	https://www.nuget.org/packages/NUnit/3.13.3/Licens
33	.NET Backend Test	NUnit.Analyzers	3.3.0	license.txt	https://www.nuget.org/packages/NUnit.Analyzers/3.
33	.NET Backend Test	NUnit3TestAdapter	4.2.1	MIT	https://licenses.nuget.org/MIT

#	Context	Name	Version	License	Comment

Last Name	First Name	Value					
				#DIV/0!	#DIV/0!		
Lang	**Felix**						
Koltman	**Alexander**						
Pfahler	**Stefan**						
Strobel	**Svenja**			0	No size		
Sternberg	**Fiona**			1	Trivial size		
Palloshi	**Ardian**			2	Small size		
Reich	**Moritz**			3	Medium size		
Hakimi	**Eddy**			5	Large size		
Woerndle	**Philipp**			8	Very large size		
Tiegges	**Jan**			13	Too large (size)		