AMOS Project 3 - Planning Documents

Project Data

Project Name	
Production system (if any)	
Test system (if any)	
GitHub repository	amosproj/amos2021ws03-teams-to-nextcloud (github.com)
GitHub kanban board (project)	
Team T-shirt (white)	
Team T-shirt (black)	https://www.shirtinator.de/loadBasket/CpCGgQ3VK86
Additional materials	
Team meeting (THU 12:30)	https://tu-berlin.zoom.us/j/62699058224?pwd=alFUMG4zdlNWUVAxNTlwMGRSdWJIZz09

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Project Team

Last Name	First Name	GitHub User Name	Email Address
Petrov	Momchil	Smoothex	m.petrov@campus.tu-berlin.de
Moskov	Todor	todormoskov	todor.moskov96@gmail.com
Balink	Robert	rbalink	robert.balink@gmail.com
Metodieva	Zlatina	zlatinametodieva	z.metodieva@campus.tu-berlin.de
Schneider	Eric	tailoric	eric.schneider@campus.tu-berlin.de

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Team Contract

Goals	Learn the process of agile development	Team contract signed by:
	Have an enjoyable experience working together as a team	Momchil Petrov
	Fullfill the clients wants to the best of our ability	Eric Schneider
	Build something we can be proud of, something useful, maintainable and beautiful	Robert Balink
Meeting norms	Two daily-like meetings in a week (apart from the mandatory one on Thursday)	Todor Moskov
	Meetings are mandatory	Zlatina Metodieva
	Being late is not acceptable	
Working norms	Decisions will be made collectively	
	Give constructive criticism, but also be able to face criticism yourself	
	Everyone works independently or in pairs	
Coordination norms	Product Owner leads the team meetings	
	We allocate assignments together	
Communication norms	Every team member checks the WhatsApp Group at least once a day	
	Respond to a message within a work-day	
Consideration norms	Handle disagreements in direct discussions, involve the whole team if no solution was found.	
Cont. improvement norms	Track progress via Kanban board.	
	We evaluate the work of others based on the quality of the job done	
Rewards	Live team building as a reward	
Sanctions	Do a small workout routine (5 push-ups / 10 squats)	

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Role Assignments

9 2021-12-16 Yes Metodieva, Zlatina Everyone else Balink, Robert Schneider, Eric 10 2022-01-13 Yes Metodieva, Zlatina Everyone else Balink, Robert Petrov, Momchil 11 2022-01-20 Balink, Robert Everyone else Metodieva, Zlatina Schneider, Eric 12 2022-01-27 Schneider, Eric Everyone else Metodieva, Zlatina Petrov, Momchil 13 2022-02-03 Yes Petrov, Momchil Everyone else Schneider, Eric Balink, Robert 14 2022-02-10 Demo day / final release Everyone else Everyone else Everyone else	#	Meeting Day	Comment	Coach	Product Owner	Software Developer	Release Manager	Scrum Master
3 2021-11-04 Yes Petrov, Momchil Everyone else N/A Coach 4 2021-11-11 Yes Balink, Robert Everyone else Moskov, Todor Coach 5 2021-11-18 Yes Schneider, Eric Everyone else Metodieva, Zlatina Coach 6 2021-11-25 Yes Metodieva, Zlatina Everyone else Schneider, Eric Coach 7 2021-12-02 Mid-project release due Yes Moskov, Todor Everyone else Balink, Robert Coach 8 2021-12-09 Yes Petrov, Momchil Everyone else Schneider, Eric Metodieva, Zlatina 9 2021-12-16 Yes Metodieva, Zlatina Everyone else Balink, Robert Schneider, Eric 10 2022-01-13 Yes Metodieva, Zlatina Everyone else Balink, Robert Petrov, Momchil 11 2022-01-20 Schneider, Eric Everyone else Metodieva, Zlatina Schneider, Eric 12 2022-01-27 Schneider, Eric Everyone else Metodieva, Zlatina Petrov, Momchil 13 2022-02-03 Yes Petrov, Momchil Everyone else Schneider, Eric Balink, Robert 14 2022-02-10 Demo day / final release Everyone else Everyo	1	2021-10-21	Both POs and one SD left	Yes	Coach	Everyone else	N/A	Coach
4 2021-11-11 Yes Balink, Robert Everyone else Moskov, Todor Coach 5 2021-11-18 Yes Schneider, Eric Everyone else Metodieva, Zlatina Coach 6 2021-11-25 Yes Metodieva, Zlatina Everyone else Schneider, Eric Coach 7 2021-12-02 Mid-project release due Yes Moskov, Todor Everyone else Balink, Robert Coach 8 2021-12-09 Yes Petrov, Momchil Everyone else Schneider, Eric Metodieva, Zlatina 9 2021-12-16 Yes Metodieva, Zlatina Everyone else Balink, Robert Schneider, Eric 10 2022-01-13 Yes Metodieva, Zlatina Everyone else Balink, Robert Petrov, Momchil 11 2022-01-20 Balink, Robert Everyone else Metodieva, Zlatina Schneider, Eric 12 2022-01-27 Schneider, Eric Everyone else Metodieva, Zlatina Petrov, Momchil 13 2022-02-03 Yes Petrov, Momchil Everyone else Schneider, Eric Balink, Robert 14 2022-02-10 Demo day / final release Everyone else Everyone else Everyone else Everyone else Everyone else	2	2021-10-28		Yes	Miftari, Ada	Everyone else	N/A	Coach
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14 2022-02-10 Demo day / final release Everyone else Everyone else Everyone else Everyone else	12	2022-01-27			Schneider, Eric	Everyone else	Metodieva, Zlatina	Petrov, Momchil
	13	2022-02-03		Yes	Petrov, Momchil	Everyone else	Schneider, Eric	Balink, Robert
15 2022-02-17 Project retrospective due Everyone else Everyone else Everyone else Everyone else	14	2022-02-10	Demo day / final release		Everyone else	Everyone else	Everyone else	Everyone else
	15	2022-02-17	Project retrospective due		Everyone else	Everyone else	Everyone else	Everyone else

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Product Goal

Product Vision	Project Mission
The product is a Microsoft Teams tab, which provides a similar web interface to the pre-built Sharepoint functionality. The interface will handle the authentification of the users making sure that the connection between the two services (MS Teams and NextCloud) is secure and stable. The application aims to serve as a back-up, so that Microsoft Sharepoint is not a single point of failure. Additionally, it enables the user to use an open-source software solution for data management, which may be especially attractive for German clients, since NextCloud is developed in Germany. Our plugin aims to achieve transparency between a client and a service, so that the user knows how his data is handled - something that's missing in a closed source solution like Microsoft Sharepoint.	Using the Teams to NextCloud plugin will provide the user with an alternative to the already built-in Sharepoint plugin for storing and managing data inside of Teams. Users will be able to upload, download, modify data that is stored in NextCloud from inside of Teams as this is a core functionality of data management software. Additionaly, our plugin will enable the users to bind a shared folder to a specific channel, so that only the members of this channel will be able to see it and work on it.
The reason of existence of the envisioned product (beyond this project).	The mission of this particular project (in the context of the product vision).

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Product Glossary

Term	Definition

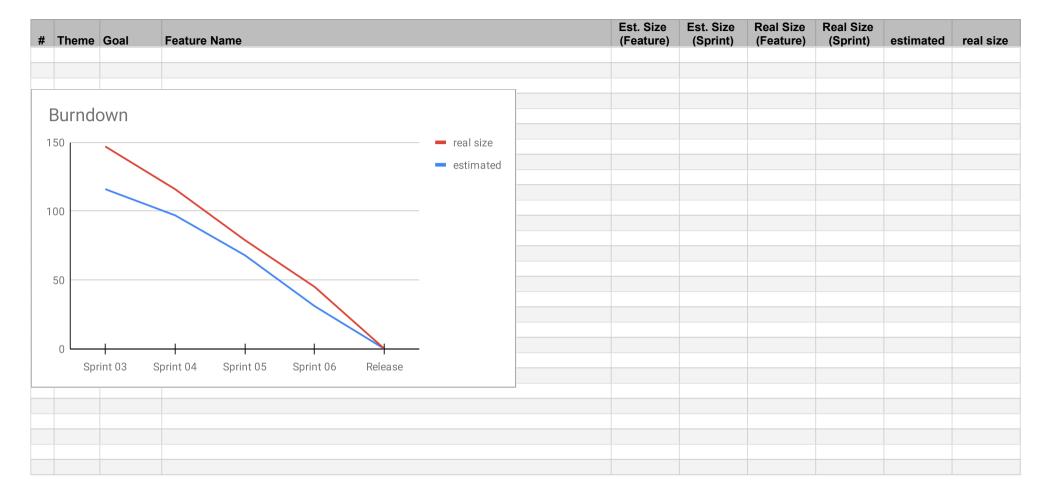
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Mid-Project Release Tracking

# Ther	me Goal	Feature Name	Est. Size (Feature)	Est. Size (Sprint)	Real Size (Feature)	Real Size (Sprint)	estimated	real size
	Sprint 03			19		31	116	147
2		<u>Upload a file to nextcloud via Website</u>	3		5			
3		Login to nextcloud	3		13			
4		Basic first webview for Teams tab	3		3			
5		Show Basic User Information in Teams App Tab	5		5			
8		Create a basic Project Skeleton	5		5			
	Sprint 04			29		37	97	116
25		Frontend & Nextcloud Deployment	8		8			
13		Show nextcloud information in webview similar to sharepoint	8		13			
1		Show Nextcloud files	5		8			
10		Single Sign-On for Nextcloud through Microsoft Azure Active Directory	8		8			
	Sprint 05			37		34	68	79
6	•	Edit a filename on Nextcloud from webview	5		5			
7		Open directories on the webview	8		8			
9		Delete a single file/folder on Nextcloud from webview	5		5			
23		Add a configuration page to the Teams Tab Addon	8		5			
34		Remove sync button	1		1			
30		Login state invalid after page reload	5		5			
14		Delete multiple files/folders on Nextcloud from webview	5		5			
	Sprint 06			31		45	31	45
29	•	Upload Button currently not working	3		13			
12		Download a File on Nextcloud from webview	5		8			
35		Open file/folder in Nextcloud	5		5			
36		Create new folder from webview	8		8			
37		Checkbox for selecting all items in the webview	5		3			
15		Download multiple files on Nextcloud from webview	5		8			
	Release						0	0
							-	

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Mid-Project Release Tracking



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Impediments Backlog

Sprint	Status	Source	Impediment	Resolution
2	Resolved	Petrov, Momchil	3 people dropped out (2 POs and 1 SD)	A new person joined our team
3	Resolved	Schneider, Eric	Industry partner didn't join a scheduled meeting, not excellent communication	We are now in a team chat with the client
8	Resolved	Metodieva, Zlatina	log4j exploit stopped our production server for now, we need to check if we are safe	Zlatina went through the production setup and made sure that we are safe

# Ther	me Goal	Feature Name	Est. Size (Feature)	Est. Size (Sprint)	Real Size (Feature)	Real Size (Sprint)	estimated burndown	
	Sprint 07			23		25	119	96
38		Deselecting all currently selected items	3		2			
51		File list selection similar to SharePoints	5		5			
47		Show the progress bar on delete	3		3			
48		Rename through a modal	5		8			
63		Arrows indicating sorting	5		5			
59		Incorrect creation of folders	1		1			
58		Incorrect opening of directories in Nextcloud	1		1			
53		Sortable file list	5		5			
	Sprint	08		16		19	71	71
49		Action images hardcoded in the actions	3		3			
50		File list with icons	3		3			
54		File list with resizable columns	5		5			
11		Link-sharing on Nextcloud from webview	5		8			
						_		
- 4	Sprint			16		8	52	52
71		Continuous Integration	8		5			
72		Check production environment for log4jshell	8		3			
	Sprint	10		23		14	44	44
79		Copy link button currently not working in Teams	5					
68		Deselect button pushed to the right	5		5			
76		Files table appears not properly aligned	5					
77		File icons too big	3		1			
64		Round checkboxes	5		8			
	Sprint	11		18		16	30	30
83		Error handling for LogIn button	5		3			
85		Font size scaled down	3		3			
86		Address bar in bold text	2		2			
87		Dividing line between action bar and address bar	3		3			

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Final Project Release Planning

# Th	neme (Goal	Feature Name	Est. Size (Feature)	Est. Size (Sprint)	Real Size (Feature)	Real Size (Sprint)	estimated burndown	
78			Download a single and multiple folders on Nextcloud from webview	5		5			
	S	Sprint '			17		0	14	14
84			Github page documentation	3					
98			Configuration page redirecting to user folder when logged in	5			5		
102			Progress bar on download	2			2		
107			Wrong checkbox alignment and status in empty folder	3			3		
108			Empty table as upload field	3			3		
109			Fast double clicking on folders pushes them multiple times on the address bar	1			1		
	5	Sprint '	13		6		0	4	0
113		7,7,1,110	Clean up repo	3					
114			Add repo description	0					
115			Finalize user, (technical) design, and build/deploy documentation	0					
84			Github page documentation	3					
	E	Releas			0		0	0	0
		10100.0							

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Final Project Release Planning

#	Theme	Goal	Feature Name	Est. Size (Feature)	Est. Size (Sprint)	Real Size (Feature)	estimated burndown	

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Definition of Done

#	Feature Definition of Done	Sprint Release Definition of Done	Project Release Definition of Done
1	Code is reviewed and merged to main by RM (or at least a different person from the one, who has implemented it)	Most of the tasks that were assigned at the beginning of the sprint are done	The release plan is filled in correctly
2	The code builds without errors or if there are any - they are noted down and clearly communicated with the team	The sprint release candidate is properly tagged	All of the licences are listed in the bill of materials
3	A feature is to be implemented so that it is scalable on different devices and works consistently for the rest of the team	All of the work - regular and irregular from the homework is done	The documentation is up-to-date
4	The code goes successfully through the CI pipeline	The documentation is up-to-date	There are no crucial tickets left undone
5		The current state of the project has been demo-ed at the meeting	(Technical) design of the project is finalized
6			The code is properly tagged depending on the release - mid-project or final
7			The code builds without errors, all tests pass

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Documentation

Type	Link / reference
Deployment & Release	https://github.com/amosproj/amos2021ws03-teams-to-nextcloud/blob/main/Documentation/Deployment.md
SSO configuration	https://github.com/amosproj/amos2021ws03-teams-to-nextcloud/blob/main/Documentation/SSO-Config.md
Adding App to Teams	https://github.com/amosproj/amos2021ws03-teams-to-nextcloud/blob/main/Documentation/AddonToTeams.md
Enabling CORS on NextCloud	https://github.com/amosproj/amos2021ws03-teams-to-nextcloud/blob/main/Documentation/Enabling%20CORS%20on%20NextCloud.md

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Bill of Materials

١	Context	Name	Version	License	Comment
	SDK for interacting with Teams				
https://www.npmjs.com/package/@microsoft/teams-js	inside the Teams Tab App	Microsoft Teams JavaScript client SDK	1.11.0	MIT	
	Framework for reactive page				
https://vuejs.org/	rendering	<u>Vue.js</u>	3.x	MIT	
	Library for interacting with				
	nextcloud via the WebDAV		4 7 0	NAT.	
https://www.npmjs.com/package/webdav	protocol	webdav	4.7.0	MIT	
https://github.com/axios/axios	library for ajax requests	axios	0.24.0	MIT	
	polyfill library for ECMAScript				
	Features and cross browser		0.05	NAIT.	
https://www.npmjs.com/package/core-js	compatibility		3.6.5	MIT	
https://with.ub.com/www.ic/www.	library for state management		2.00	NAIT	
https://github.com/vuejs/vuex	inside vue	vuex	3.6.2	MIT	
https://github.com/vuejs/vue-router	library for routing to urls in vue	vue-router	3.2.0	MIT	
https://getbootstrap.com/	CSS libary for styling elements	Bootstrap	4.3.1	MIT	
https://github.com/developit/mitt	Functional event emitter / pubsub	Mitt	3.0.0	MIT	
	Library for creating toasts /			l	
https://github.com/Maronato/vue-toastification	notifications	Vue Toastification	2.0.0	MIT	
https://github.com/moment/moment/	Date library	Moment.js	2.29.1	MIT	
	Library with the icons for the				
https://github.com/dmhendricks/file-icon-vectors	different file extensions	File Icon Images	1.0.0	MIT	
	Library for zipping files in		l	l	
https://github.com/Stuk/jszip	javascript	JSZip	3.7.1	MIT	
	Library for big blob sizes to				
https://www.npmjs.com/package/file-saver	download multiple files	FileSaver.js	2.0.5	MIT	

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Planning Poker

Last Name	First Name	Value			
Petrov	Momchil	3			
Moskov	Todor	3	3.40	NOK	
Balink	Robert	3	3.40	NON	
Metodieva	Zlatina	5			
Schneider	Eric	3	0	No size	
			1	Trivial size	
			2	Small size	
			3	Medium size	
			5	Large size	
			8	Very large size	
			13	Too large (size)	