AMOS Project 2 - Planning Documents

Project Data

Project Name	Jirassic Park
Production system (if any)	
Test system (if any)	
Zoom Meeting	https://tu-berlin.zoom.us/j/67665685134?pwd=eHk3RXViMUtheWlidHdhendGck9PQT09
GitHub repository	https://github.com/amosproj/amos2021ws02-agile-trans-jira
GitHub kanban board (project)	https://github.com/amosproj/amos2021ws02-agile-trans-jira/projects/1
	https://www.shirtinator.de/loadBasket/_glJCSQ_rSN (female)
Team T-shirt (white)	https://www.shirtinator.de/loadBasket/lf4stcrrBNf (male)
Team T-shirt (black)	https://www.shirtinator.de/loadBasket/uVeTqBos1qu (male) https://www.shirtinator.de/loadBasket/zyjrqLNfsAS (female)
Additional materials	

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Project Team

Last Name	First Name	GitHub User Name	Email Address
He	Yichang	woxihyc	yichang.he@campus.tu-berlin.de
Huynh	Thu-My	thumy-huynh	t.huynh.1@tu-berlin.de
Kafedzhieva	Emilia	emiliakaf	emilia.kafedzhieva@campus.tu-berlin.de
Kupkovic	Roman	romankupkovic	romankupkovic1@gmail.com
Pawlowski	Stefan	Stefuniverse	Stefan.Pawlowski@Infinithings.de
Pham	Minh Duc	mdp97	minh-duc.pham@campus.tu-berlin.de
Sivirina	Anastasiia	teanas	a.sivirina@campus.tu-berlin.de
Xie	Wei	WeiXie96	wei.xie@campus.tu-berlin.de
Wagner	Martin	Waldleufer	martin.wagner@fau.de

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Team Contract

Goals	To create a viable Product in Atlassian Market Place	
	To learn Scrum framework by "doing"	
Meeting norms	Write a meeting protocol every meeting	
_	Do not be late (not >2 minutes)	
	Communicate if you cannot attend	
	5 minute Smalltalk/Warm-Up	
Working norms	Do not commit anything that is not working and/or badly documented	
	Commit message has to be short and clear	
	Work division via issue assignment	
	Release candidate has to be ready before the team meeting	
	Coding Sprint ends Wednesday 23:59 - No Commits / Kanban movement after that deadline.	
Coordination norms	Organize work on current PDF deliverables in Google Drive folders and the code on GitHub	
	Put labels and story points on issues	
	Thursday meeting starts with retrospective of the previous sprint and ends with a defined plan for the next sprint	
	Have two internal weekly meetings (Thursday + flexible decided upon Doodle)	
Communication norms	Discord for voice and Telegram for written communication	
	Open communication during daily/weekly	https://happy-amos.appspot.com - 2 per week
Consideration norms	Polls for decision making (majority rule)	
	On disagreement, make a second poll	
	Story points decision upon planning poker (discuss on disagreements and play again)	
Cont. improvement norms	Kanban board on github for progress tracking	
	Write standup emails at least twice per week to inform others about encountered problems and your upcoming tasks	
Rewards	Play a round of scribbl	
Sanctions	Minor failure: Punishment Jar> Financing next "Team-Event"	
Sanctions	Major failure: Punishment Issue -> rinancing next Team-Event  Major failure: Punishment Issue -> issue from the board chosen by the rest of the team	
	Severity of penalties is decided by a poll within the team	
	Severity of perfaities is decided by a poli within the team	
Signatures		
Roman Kupkovic		
Emilia Kafedzhieva		
Anastasiia Sivirina		
Thu-My Huynh		
Stefan Pawlowski		
Yichang He		
Minh Duc Pham		
Wei Xie		

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Role Assignments

#	Meeting Day	Comment	Coach	Product Owner	Software Developer	Release Manager	Scrum Master	Product Owner	Scrum Master	Release Manager
1	2021-10-21		Yes	Minh Duc Pham	Everyone else	Stefan	Coach	Thu-My Huynh		Yichang
2	2021-10-28		Yes	Minh Duc Pham	Everyone else	Stefan	Coach	Minh Duc Pham		Thu-My
3	2021-11-04		Yes	Minh Duc Pham	Everyone else	Stefan	Coach	Yichang He		Emilia
4	2021-11-11		Yes	Minh Duc Pham	Everyone else	Stefan	Coach	Emilia Kafedzhieva		Roman
5	2021-11-18		Yes	Thu-My Huynh	Everyone else	Stefan	Coach			Stefan
6	2021-11-25		Yes	Emilia Kafedzhieva	Everyone else	Stefan	Coach			Minh Duc
7	2021-12-02	Mid-project relea	Yes	Emilia Kafedzhieva	Everyone else	Stefan	Coach			Anastasiia
8	2021-12-09			Emilia Kafedzhieva	Everyone else	Stefan	Coach			Wei
9	2021-12-16			Emilia Kafedzhieva	Everyone else	Stefan	Coach			
10	2022-01-13		Yes	Emilia Kafedzhieva	Everyone else	Stefan	Coach			
11	2022-01-20			Yichang He	Everyone else	Roman	Coach			
12	2022-01-27			Yichang He	Everyone else	Stefan				
13	2022-02-03		Yes	Yichang He	Everyone else	Minh Duc		To be adjusted		
14	2022-02-10	Demo day / final	release	Yichang He	Everyone else	Anastasiia				
15	2022-02-17	Project retrospec	tive due	Yichang He	Everyone else	Wei				

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Product Goal

## **Product Vision**

Going agile is getting more and more popular with companies and teams. It puts people first and promotes velocity as well as adaptability to changes in the process. Though scaling agile beyond single teams and projects also adds new challenges to tackle. Coordinating teams, managing skills and budget are some of the biggest challenges when scaling agile, as scaling beyond single teams and projects adds complexity.

By unifying coordination and communication through our "Agile Transformation"-tool we want to enable any company to be able to scale agile. To help make existing processes and projects agile by using SCRUM we will offer our product as a plugin in Jira. Our product consists of three parts: a capacity planner, a skill database and a budget planner.

Our capacity planner will leverage a company to a more efficient resource planning by offering a single tool for communication between teams. This tool enables transparency between teams by visualizing, consolidating and standardizing planning information throughout the company. It also benefits teams as the transparent planning process avoids both work overload as well as idle times. Further, it will make sprints more time efficient by optimizing coordination.

Our skill database will aggregate the employees skills inside a single database. It enables discovery of unused efficiency by making unknown employee skills accessible to be discovered. Furthermore, decentralized communication can be avoided by centralizing the knowledge in one database.

Lastly, our budget planner enables reallocation of unused budgets by giving an overview of the budget distribution inside a company. The overview will help finding high priority projects or products which may not be implemented due to insufficient budgets as well as low priority projects and products which can be postponed.

## **Project Mission**

Our project mission is to develop the calendar feature as envisioned by the business partner so the users can organize in teams and manage/assign tasks thtrough the use of requests.

Teams assigned to tasks after accepting a request are shown in a calendar overview that utilizes bar-elements and colors to display the exact intervalls and available time windows so the user can more effectively allocate resources and structure timelines. The user interface is strongly bound to the Atlassian design

guide and uses the native Atlassian design objects whenever possible. Team and member entities contain the required information so the user is enabled to make well informed decisions.

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Product Glossary

Term	Definition
Users	Every user using the plugin (e.g. product owner, scrum master, team member, etc.)
Issue	Any work item inside jira (also called request, ticket, task)
Epics	Body of work that can be broken down into specific tasks (called user stories)
Stories	Short requirements or requests written from the perspective of an end user
Initiatives	Collections of epics
Request	An issue type in JIRA to request a capacity

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Mid-Project Release Tracking

#	Theme	Goal	Feature Name	Est. Size (Feature)	Est. Size (Sprint)	Real Size (Feature)	Real Size (Sprint)	Burn- Down 55
	Team Setup							33
-	- Стана	agree on team settings						
		initialize team contract						
		design team logo						
		design team T-shirt						
		assign roles						
2	Project Intial Setup							
		research and setup project						
		first meeting with industry partner						
		initialize bill of materials						
		brainstorming product features	no denlevable product increment, only of	raanizational	tooko			
		produce overview diagram of runtime	no deployable product increment, only of	nganizational	lasks			
		components						
		produce use case diagram						
		produce class diagram						
		produce code components						
3	Environment setup							
		Get familiar with Jira platform						
		setup on jira platform						
		research on jira plugins documentation						
		create mockup demo						
		get feedback from business partner						
4	Initialize main page							
		Create the main page of the product						
			create main page	5		8		
			create request overview	5		5		
			create mockup of calender view	5		5		
		define project package structure			15		18	40
		research accessible data in Jira						
		research user management in Jira						
		agree on definition of done						
		define product vision						
		define project mission						
5	Further work on main page							
		continue working on main page						
			create project setting page	5		3		
			create roadmap	8		0		
			advanced working on request overview	8	21	2	5	19
		research team information					Ĭ	
		research request data						
		research data management						
		finish mid-project release tracking						
6	Finish Main page							
		finish frontend	Roadmap (#29)	8		13		
			Team Management Screen (#53)	3		3	26	0
		create issues	Create Request Screen (#30)	3		5		
		data storage	Create tables in the database (#44)	5		5		

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Mid-Project Release Tracking

#	Theme	Goal	Feature Name	Est. Size (Feature)	Est. Size (Sprint)	Real Size (Feature)	Real Size (Sprint)	Burn- Down
			Burn- Down					

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Final Project Release Plannning

Theme	Goal	Feature Name	Est. Size (Feature)	Est. Size (Sprint)	Real Size (Feature)	Real Size (Sprint)	Burn- Down
							197
	General Settings	Create screen of general settings page (#55)	5		3		
Enable creation of a	Request Overview	BUG: Roadmap has black background (#79)			not finished		4
request	Testing	Implement functionality to the buttons in Request Overview (#66)	8	22	not finished	5	17
		Change current location of project settings (#68)	3		2		
		Create first JUnit test (#69)	3		not finished		
		BUG: Roadmap has black background (#79)	5				
		Create issue type Request (#64)	8		not finished		
Add some selections	Custom Fields	Implement JQL search in Request Overview (#66)	5	20	due to	0	4.4*
Add general settings	Request Type Request Overview	i i i i i i i i i i i i i i i i i i i		28	technical	0	147
	Request Overview	Create custom fields in general settings (#62)	5		problems		
		Extract requests of current assignee (#82)	5				
		BUG: Roadmap has black background (#79)	5		3		
		Create issue type Request (#64)	5		5	11	
Add general settings		BUG: Create Request (#100)	3		3		
	Finish features and						
	bugs from previous			13			134
	sprints						
		Implement Type button in Request Overview (#95)	3				
		Implement Status button in Request Overview (#95)	3				
		Implement Assignee button in Request Overview (#99)	3				
		Implement More button in Request Overview (#98)	3				
	Create custom fields	Create manual Frontend tests (#69)	3				
Custom Fields	& Implement	Implement JQL search in Request Overview (#66)	8	33			101
Custom Fields	functionality on the	Extract requests of current assignee (#82)	5	33			10
	main page	Create custom fields in general settings (#62)	5				
							1
		Implement Project button in Request Overview tab (#94)	3				
		Implement list view in Request Overview (#92)	8				
Request Overview	Main nage	Implement detail view in Request Overview (#91)	8	54			47

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Final Project Release Plannning

# Theme	Goal Iwain page	Feature Name	Est. Size (Feature)	Est. Size (Sprint) <sub>54</sub>	Real Size (Feature)	Real Size (Sprint)	Burn- Down
Tab	Walii page	Extract requests of current project (#105)	8	54			47
	T D	implement graphical representation of requests in personal calender implement graphical representation of requests in team calender	8				
12 Planner	Team Planner	Unit test of My Planner Page	8	32			15
		Unit test of Custom fields	8				-
		Test and reference Degreest Overview	5				<del> </del>
	Final Testing and	Test and refactor Request Overview	5				I
Testing &	Refactoring	Test and refactor Calender	5 5				
Testing & Refactoring		Test and refactor General Settings	5	15			0
14 Final Release							
		D					
		Burn- Down					
		200					
		150					
		Wo 100 - 100					
		É 50					

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Final Project Release Planning

ı	#	Theme	Goal	Feature Name	_									Est. Size (Feature)	Est. Size (Sprint)	Real Size (Feature)	Real Size (Sprint)	Burn- Down
					B	50			П									
						0												
							8	9	10	11	12	13 14						
													-					

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Impediments Backlog

Sprint	Status	Source	Impediment	Resolution
1	Resolved	Team	Sprint Last Minute Photo-finish	Have additional meetings earlier, have polls specifically early.
2	Resolved	Licencing	Copyright licenses / List of Materials	Atlassian licences required + Contact Mr. Riehle and the Industry Partners
		J	, , , , , , , , , , , , , , , , , , ,	Create feature branches; Create Merge requests; Main + dev + feature branches from dev.
2	Resolved	Team	Everyone published on the main branch	Person assigned to issue creates the feature branch. Update dev/main branch.
2	Resolved	Team	COACH email late	Send emails earlier.
2	Resolved	Team	Whole team doesn't always need to be in one place	More splitting up next sprints.
2	Resolved	Team	Camera Request	Meetings where everyone is together.
2	Resolved	Team	Last Hour Photo-finish	Try to improve more
2	Resolved	Team	Task responsibility was defined very late	Pick tasks right after the team meeting
				Weekly meeting with the industry partners -> On Demand meetings + promise to respond
2	Resolved	Industry Partner	Unclearness / slowness of industry partner interactions	more quickly
3	Resolved	Team	Unceartanty as to what the industry partner wants	US, more interactions with the Industry partners, trust the process
3	Resolved	Team	Gaps in knowledge between team members	- Proper documentation
4	Resolved	PO	Issue creation quite hard in terms of estimated size.	Ask SD or SM for help. SD if you think a task is too big, ask PO / other SD or SM for help.
4	Unsolvable	Team	Unclear Atlassian documentation !!!!	Own Projects Documentation and own Project Code helps with that.
1	Unsurance about current developement flow. Import of external ressources not easily doable.		Unsurance about current developement flow. Import of external ressources not easily doable.	- Stefan found a possible solution for this and requested more help from other SDs on the matter. Needs to be prioritized! Will be first action in this sprint [08].
	III-WOIK	1 Gaill	external resolutces not easily doable.	- Consider reevaluating the team contract. How do you as a team feel about people going
4	Resolved	Scrum Master	People going rogue during the team meeting	rogue mid meeting? -> Communication
	Resolved	Team	SDs that prefere backend work would like tasks.	User stories involving backend have been created.
	. 10001100	1.00	Undefined User Flow - How the user uses the application.	- Team discussed the topic and will proceede from that point on and ask the industry partner
5	Resolved	SDs	Flow chart requested.	about it.
5	Resolved	Release manager	Commits on the same day	Only commits by the day before the teammeeting. 23.59
5	Resolved	Release manager	Release manager missing - noone else had a clue.	Make sure someone else is able to do a release.
5	Resolved	Team	How to deal with bonus time during holidays	Prof. Riehle provided some info on this.
6	Resolved	PO	Kanban board not updated in time	Make sure to move items on kanban board until. 23.59
6	In-work	Team	Irregular Work was not reviewed enough	Assign reviewers to the Kanban Cards
-	Deschar	T	Not everyone was on the same page on some alternative	Occurred the OA all OM for help O
	Resolved	Team	ways to approach a goal	Communication? Ask SM for help?
8	In-work	PO	US are dragged on for more then one sprint - Is the scope of the features too big?	
8	In-work	SDs	Inconsistency between feature branches and dev branch	Unneeded branches are beeing deleted.
			Jira Documentation Book book is outdated! (Book from	Verify informations via Google. (Atlassian Docs / Forums)
8	In-work	SDs	2016)	-> Google is not helpful :(
8	Resolved	SDs	Merge without review on second Computer	
			Frustration created by "Blocker Impediment",	
8	Resolved	Team	Miscommunication	Attend additional monday meeting?

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Definition of Done

#	Feature Definition of Done	Sprint Release Definition of Done	Project Release Definition of Done
	Can be demoed	Feature has been tagged as a release candidate	Feature and Sprint Release DoD is fulfilled
		All merge conflicts have been resolved and all	Fulfilled requirements for putting the plugin on the
	Fully tested with the unit test	targeted branches were merged	Atlassian Marketplace
	Code well structured and formatted (hold to code conventions)	Integration of all features has been tested	Developer documentation is finished
	Clear explaination of code		User Guide is finished
	No syntax/runtime errors		Code is integrated with master branch
	Codes are peerly reviewed		
	Communicate issues by leaving comments on github		

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Documentation

Type	Link / reference
Type Meeting protocol	https://docs.google.com/document/d/1TzDhPqwDj7Wwa0orU6DdkGP75kFqGniDK6p025cxaC8/edit?usp=sharing

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Bill of Materials

	Context	Name	Version	License	Comment
Frontend		babel/core	7.16.0	MIT License	https://github.com/babel/babel
		babel/preset-env	7.16.4	MIT License	
		babel/preset-flow	7.16.0	MIT License	
		babel/preset-react	7.16.0	MIT License	
		babel/preset-typescript	7.16.0	MIT License	
		babel-loader	8.2.3	MIT License	
		fibers	5.0.0	MIT License	https://github.com/laverdet/node-fibers
		node-sass	7.0.0	MIT License	https://github.com/sass/node-sass
		sass	1.44.0	MIT License	
		sass-loader	12.3.0	MIT License	
		typescript	4.5.2	Apache License 2.0	https://github.com/microsoft/TypeScript
		webpack	5.64.4	MIT License	https://github.com/webpack/webpack
		webpack-cli	4.9.1	MIT License	https://github.com/webpack/webpack-cli
ackend	Java Artifact	com.atlassian.jira.jira-api	8.13	Copyright @ 2021 Atlassian Pty Ltd	
Duckeria		junit.junit		Eclipse Public License 1.0	
		com.atlassian.plugin.atlassian-spring-scanner-	1.1	Lonpoo i abilo Liberios 1.5	
		annotation	2.1.7	Copyright @ 2018 Atlassian Pty Ltd	
		javax.inject.javax.inject	1	Apache 2.0	
	Java Test runner dependencies	com.atlassian.plugins.atlassian-plugins-osgi-testrunner		Copyright @ 2021 Atlassian Pty Ltd	
		programme progra		COMMON DEVELOPMENT AND	
				DISTRIBUTION LICENSE (CDDL) Version	
				1.1, GNU General Public License (GPL)	
		javax.ws.rs.jsr311-api	1.1.1	Version 2	
		com.google.code.gson.gson	2.2.2-atlassian-1	Apache 2.0	
		com.atlassian.maven.plugins.jira-maven-plugin	8.1.2	Copyright @ 2021 Atlassian Pty Ltd	
		atlassian-template-renderer-api	4.1.1	Atlassian 3.0	
		javax.servlet-api	2.4.0	CDDLGPL 2.0	
		slf4j-api	1.6.6	MIT License	
		Apache HttpClient	4.1.1	Apache License 2.0	
		mockito-all	1.8.5	MIT License	

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Planning Poker

Last Name	First Name	Value			
He	Yichang	5			
Huynh	Thu-My	5	5.00	OK	
Kafedzhieva	Emilia	5	5.00	UN	
Kupkovic	Roman	5			
Pawlowski	Stefan	5	0	No size	
Pham	Minh Duc	5	1	Trivial size	
Sivirina	Anastasiia	5	2	Small size	
Xie	Wei	5	3	Medium size	
Wagner	Martin	5	5	Large size	
			8	Very large size	
			13	Too large (size)	