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Project Data

Project Name	Financial Product Portfolio Quick-Check
Production system (if any)	
Test system (if any)	
GitHub repository	https://github.com/amosproj/amos2021ws05-fin-prod-port-quick-check
GitHub kanban board (project)	https://github.com/amosproj/amos2021ws05-fin-prod-port-quick-check/projects/1
Team T-shirt (white)	https://www.shirtinator.de/loadBasket/TVvtvi-d3Fa
Team T-shirt (black)	https://www.shirtinator.de/loadBasket/TVvtvi-d3Fa
Additional materials	
Happinessindex	https://happy-amos.appspot.com/Project?project=6194017020674048&course=6014071715397632
Team T-shirt (white)	Ivan Butron Sossa
Team T-shirt (black)	Maximilian Bartels, Ines Vogel, Lily Hügerich, Alexander Werner, Maximilian Rodiek, Tobias Bernhard, Andreas Ronellenfitsch

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Project Team

Last Name	First Name	GitHub User Name	Email Address
Bartels	Maximilian	Batogami	m.bartels@campus.tu-berlin.de
Bernhard	Tobias	tobbber	to-tb@gmx.de.
Butron Sossa	Ivan Antonio	ibutrons-	ivanbutronsossa@gmail.com
Hügerich	Lily	lilyhuegerich	lilyhueg@gmail.com
Rodiek	Maximilian	m4xrdk	rodiek@campus.tu-berlin.de
Ronellenfitsch	Andreas	aron4	a.ronellenfitsch@campus.tu-berlin.de
Vogel	Ines	InesVogel	ine.vogel@gmail.com
Werner	Alexander	AlexanderW1996	werner.3@campus.tu-berlin.de
Groth	Patrick		patrick.groth@fau.de

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Team Contract

Goals	Be Helpful & Respectful
	We and our customers are satisfied with the project results
	Not only satisfied with the product, also with the moral of and atmosphere in the team
	Improve efficiency over the semester
Meeting norms	Team Meetings are mandatory (Thursday, 12:30pm)
	Be on time
	Turn your camera on if possible
	Come prepared
Working norms	Primate of consensus, else voting, majority wins
_	Support your team
	Task assignments will be made clear and agreed upon by the end of weekly group meetings.
	Task can solved independently or in groups (pair programming)
	Give constructive criticism, dont make it personal
Coordination norms	Team meetings will be lead by the POs
	Assignments can be chosen based on preference if assignments are not voluntarily chosen the Product owner can assign tasks based on workloads
Communication norms	Our communication channel will be slack and we write respectfully
	Communicate over the corresponding channels
	Response at least in 24h
	Whatsapp as urgent channel
	Any discussion should be viewable to anyone that the discussion pertains.
	If you cannot participate or arrive late, write a message in slack beforehand if possible at least an hour before
	Ask for help if necessary
Consideration norms	Side conversations in separate slack channel
Consideration norms	Don't interrupt each other in the zoom calls
	Be considerate of others people time and communicate at your earliest convience
	If two people have a conflict choose mediator, for more people or fail group discussion
Cont. improvement norms	Kanban board, closed tickets and weekly deadlines are used to track progress
	Test and code metrics
	Assign default reviewer
	Master should always be runnable

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Team Contract

	Anyone can start a discussion about outcomes or notices from their assignments.	
Rewards	Cake	
	Drinks	
Sanctions	Write Documentation	
	Last place for task assignment	
	Sanctions only by vote	

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Role Assignments

#	Meeting Day	Comment	Coach	Product Owner	Software Developer	Release Manager	Scrum Master
1	2021-10-21		Yes	Max R & Andreas	Everyone else	N/A	Coach
2	2021-10-28		Yes	Max R & Andreas	Everyone else	N/A	Coach
3	2021-11-04		Yes	Max R & Andreas	Everyone else	Ines Vogel	Coach
4	2021-11-11		Yes	Max R & Andreas	Everyone else	Ines Vogel	Coach
5	2021-11-18		Yes	Max R & Andreas	Everyone else	Ines Vogel	Coach
6	2021-11-25		Yes	Max R & Andreas	Everyone else		Coach
7	2021-12-02	Mid-project release	Yes	Max R & Andreas	Everyone else		Coach
8	2021-12-09			Max R & Max B	Everyone else		tbd
9	2021-12-16			Max R & Max B	Everyone else		tbd
10	2022-01-13		Yes	Max R & Max B	Everyone else		tbd
11	2022-01-20			Max R & Max B	Everyone else		tbd
12	2022-01-27			Max R & Max B	Everyone else		tbd
13	2022-02-03		Yes	Max R & Max B	Everyone else		tbd
14	2022-02-10	Demo day / final release		Max R & Max B	Everyone else		tbd
15	2022-02-17	Project retrospective due		Max R & Max B	Everyone else		tbd

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Product Goal

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Product Glossary

Term	Definition
Projekt	Ein Projekt hat ein oder mehrere Produkte; Jedes Projekt hat 1-n Produktbereiche
Produkt	Jedes Produkt hat ein oder mehrere Produktvarianten; Produkte werden in Produktbereiche unterteilt; Beispiel: Dispokredit
Produktvariante	Ein oder mehrere Produktvarianten bilden das Produkt; Beispiele: Sofortdispo, Dispo Fix & Dispo Variabel
Produktbereiche	Jeder Produktbereich hat zwei Unterkategorien (Privatkundenbereich oder Firmenkundenbereich); Jeder Produktbereich hat 1 bis n Produkte; Beispiele: Kunde (Retail & Corporate), Kredit (Firmenkunde & Privat), Payments (Firmenkunde & Privat), Wealth Management und Investmentbanking;
Produktschlüssel	Die ProduktID
Kundenschlüssel	Die KundenID
Beurteilungskriterium	
Komplexitätskriterium/-treiber	Werden zur Unterscheidung von Produktbereichen (z.B. Kunden) eingesetzt
Piechart (äußerer Ring)	Zur Unterscheidung von Kundensegmenten (Beispiel ApoBank: 20% angestellte Heilberufler; 70% selbständige Heilberufler; 10% Studenten)
Piechart (innerer Ring)	
Piechart (Größe)	Bezieht sich auf Produktvariante, also: "wie groß ist der Kreis" und "wie viel wird als hellblau, dunkelblau und grün bewertet"
Produktbereich Kunde	Produkte im Produktbereich Kunde wären: 1) Standardsegmente 2) Zusätzliche a) Retailkunde mit bis 50k, b) Mittelschichtkunde 50k-150k, c) Wealthmanagementkunden <150k, d) High Net Worth Individuals <500k; Zudem kann unterschieden werden zwischen Inlander/Ausländer oder Ehepaare/Alleinständig
Kundensegmente	Beispiele: 1) Standardsegmente 2) Zusätzliche a) Retailkunde mit bis 50k, b) Mittelschichtkunde 50k-150k, c) Wealthmanagementkunder <150k, d) High Net Worth Individuals <500k; Zudem kann unterschieden werden zwischen Inlander/Ausländer oder Ehepaare/Alleinständig
User/Usermanagement/Berechtigungen	Erster "Bereich": Login, Userrechte, Passwort vergessen
Verschachtelter Fragebogen	Zweiter "Bereich": Fragt Produktbereich, Produkt, Produktvarianten und wirtschafliche Bewertung sowie Komplexitätsbewertung ab
Anmerkungs/-Dokumentzuordnungsbereich	Dritter "Bereich": Zu jeder einzelnen Kategorie können Anmerkungen & Dokumentzuordnungen (z.B. Quelle: Geschäftsbericht 2017; Interview 19.08) hinzugefügt werden
Bewertungen	Im Kern: Hoch, Mittel & gering (als Farben: rot, gelb & grün bzw hellblau, dunkelblau, grün); Aber auch Prozentberechnungen; Die Bewertung erfolgt durch einen Consultant, denn nur er weiß z.B. Mittelständler ist gelb, GmbH ist gelb, oder Verein ist rot; Die Bewertungen (=Fragen) sind für jedes Produkt einer Kategorie gleich, wobei es sein kann das bestimmte Fragen nicht beantwortet werden können

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Mid-Project Release Tracking

# The	eme	Goal	Feature Name	Est. Size (Feature)	Est. Size (Sprint)	Real Size (Feature)	Real Size (Sprint)	Burn- Down
			TOTAL		,		,	
1 Initi	ial Setup	Getting to know & project setup			10		10	83
			Additional team meeting	2		2		
			#3 Team Logo	1		2		
			#1 T-Shirt Logo	3		2		
			#2 Team Contract	2		1		
			Meeting with industry partner	2		3		
Initi 2 Res	ial Setups &	Understand the project & Implement first requirements from industry partner (Docker)			24		18	73
		, parametric (2 control	#12 Define Initial REST-API	5		3		
			#13 Create Initial Containerized Architecture	5		5		
			#17 Define Minimal Requirements (User Stories)	5		5		
			#15 Upload Research for WebUI	3		1		
			#14 Upload Research for Database Types	3		1		
			#11 Conduct Research for User Management	3		3		
			With Contract to Cook on the Cook management					
Bac Fun	ontend and ckend nctionalities							
3 & A	Architecture	Backend Architecture & first WebUI is implemented	#00 D ( 4 + AD)		18		12	55
			#36 Refactor project API	2		1		
			#34 Setup Backend REST API	5		3		
			#30 Set Up Relational Database	3		2		
			#32 Set Up Initial WebUI	5		3		
			#41 Use Case Diagram	1		1		
			#42 Flowchart Diagram	1		1		
			#40 ER-Diagram	1		1		
Tec	st Frontend chnical eakthrough	Clear understanding of Project Mission, Product Vision & Definition of done & working on frontend			9		9	43
	and a gra	The state of the s	#37 Product Vision	1		1		
			#38 Project Mission	1		1		
			#59 Definitions of Done	1		2		
			#44 Update Glossary	1		2		
			#46 Create View "Project Overview"	5		3		
and	in Frontend d Backend	Getting a breakthrough with the main funcionalitites					40	
5 Fun	nctionalitites	of the software	#45 Create View "Manage Project"	5	24	3	18	34
			#45 Create View "Manage Project"					
			#47 Create View "Manage Project Members"	5		5		
			#48 Create "Product Overview"	5		5		
			#61 Create "Enter Financial Product Data"	3		1		
			#63 Create "Add Product View"	3		1		
			#64 Create "Enter Complexity Data"	3		3		
	d Term lease & sting	Getting the last frontend functionalities for a first breakthrough of the software and continue testing the backend			21		16	16
- 103	9		#65 Create View "Complexity Evaluation"	5		3	10	
			#62 Create View "Economic Evaluation"	5		5		
			#79 Testing of "Controller" Folder (Backend)	3		2		

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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
		#81 Testing of Data Transfer Object ("dto") Folder (Backend)	3	,	2		
		#83 Testing of "Service" Folder (Backend)	3	3	3		
		#82 Testing of "Exceptions" Folder (Backend)	2		1		
		· · · · · · · · · · · · · · · · · · ·					
Release	Mid Term						
No Sprints	6 .						
Due Date	02.12.2021						
Sprint	Sprint Theme	User Stories	Est. Size			Real Burndown	
	0			106		83	
	1 Initial Setup	3,2,1	10				
	2 More Initial Setups & Research	12, 13, 17, 14, 15, 11	24				
	3 Frontend and Backend Functionalities & Architecture		18				
	4 First Frontend Technical Breakthrough	37, 38, 59, 44, 46	9				
	5 Main Frontend and Backend Functionalitites	45, 47, 48, 61, 63, 64	24				
	6 Mid Term Release & Testing	65, 62, 79, 81, 83, 82	21	0	16	0	
Total			106		83		
		Burn-down Chart					
		80					
		80					
		60 —					
		40 —					
		20 —					
		20					
		0					
		1 2 3 4 5	6				

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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

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Impediments Backlog

Sprint	Status	Source	Impediment	Resolution
1	Resolved	Maximilian R	Not all members could use the happiness tool	All members posted a screenshot of the happiness tool to Slack
1	Resolved	Maximilian R	Late appointment with the industry partner (one day before sprint meeting because of their vacation)	Early communication because they are not on vacation anymore
1	Resolved	Andreas Ronellenfitsch	Chaotic settling-in phase	Defined a working process
1	Resolved	Andreas Ronellenfitsch	Use of designated Slack servers	Definied a Slack server for each topic
2	Resolved	Maximilian R	The feature creation process was a little unstructured	Feature creation process at least 3 days before group meeting
	Resolved	Maximilian R	External requirements regarding the exact definition of "product" & "product area" was unclear and blocked some tasks	Meeting with Theo on 10.11.2021 solved those terminologies (Glossary)
	Resolved		Code review proces is currently unclear	Was resolved by scrum implicitly
	Resolved In-work	Ines Maximilian R	Clarification needed on product area definition  1 Software Developer (Frontend) dropped out	See answer from Andreas in slack  Splitting the team in fixed frontend and backend teams in the next meeting (18.11)
	In-work	Patrick G.	Tickets could not be finished	Ivan dropped out -> POs support with smaller development tasks     unforseen complexity as well as sickness of a teammembers     watch for one more week and maybe split tickets into frontend/backend if it's not resolved

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Definition of Done

#	Feature Definition of Done	Sprint Release Definition of Done	Project Release Definition of Done
	Approved by product owner	Approved by product owner	Approved by product owner
	Tests have been written (e.g. Unit test, integration test etc)	100% tests passed	No critical bugs
	Code has been peer reviewed and approved	No critical bugs	User documentation is written
	No syntax or runtime errors emerged	Merge conflicts solved	75% test coverage
	Code has to be included in the release candidate	Demo approved by team	Demo approved by team
	50%-60% test coverage	Code is deployable using docker	Code is deployable using docker
		50%-60% test coverage	Approved by business partner
		Code in a clean state	Code documentation is written
			Build & deployment documentation is written
			Documentation has been peer reviewed

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Documentation

Туре	Link / reference
Wiki	https://github.com/amosproj/amos2021ws05-fin-prod-port-quick-check/wiki

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Bill of Materials

١	Context	Name	Version	License	Comment
	REST API	Spring Boot	2.5.6	Apache License, Version 2.0	Used for REST API and microservice architecture
	Deployment	Github Actions		_	CI/CD Tool for running automated tests, building docker images and deployment.
	Deployment	Docker Engine	v20.10	Apache License 2.0	Docker engine is used to run applications in a container
	Deployment	Docker CLI	v20.10	Apache License 2.0	Tool to build containerized applications as docker images.
	Database	HyperSQL	2.6.2	BSD License	Deployment of database applications
	Frontend framework	React	17.0.1	MIT License	UI Framework and handler for the view layer of web and mobile apps

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Planning Poker

Last Name	First Name	Value			
Bartels	Maximilian	5			
Bernhard	Tobias	5	5.00	OK	
<b>Butron Sossa</b>	Ivan Antonio	5	5.00	UK	
Hügerich	Lily	5			
Rodiek	Maximilian	5	0	No size	
Ronellenfitsch	Andreas	5	1	Trivial size	
Vogel	Ines	5	2	Small size	
Werner	Alexander	5	3	Medium size	
			5	Large size	
			8	Very large size	
			13	Too large (size)	