Id	Category	Requirement	Priority (1 highest)	Source	Notes	feedback
App-Com-1	Application/Communication	Can retrieve list of lifeforms	1	Brainstorm		some specifications are to wide
App-Com-2	Application/Communication	Can retrieve list of messages	1	Brainstorm		other are to narrow and can be grouped togehter with outers
App-Tech-1	Application/Tech	When posting a message the app should auto add time	1	Brainstorm		E:g. "Login Page" is very wide and should explain what should be done (see new one)
App-Tech-2	Application/Tech	When posting a message the app should auto add location	1	Brainstorm		others like read and write data from context are very specific and could be groupped together like "Read/Write from context"
App-Tech-3	Application/Tech	When posing a message the app should auto add user id	1	Test Cases		also read what? from the context
App-UI-1	Application/UI	Feed page displaying all mesages	1	Brainstorm		
App-UI-2	Application/UI	Page for posting a message	1	Brainstorm		should be small and precise enough to be be testable
App-UI-5	Application/UI	All pages are responsive	1	Brainstorm		take a look the test cases for ideas (e.g. adding a letter after
Context-1	Data Storage	Can read and insert data to and from context via backend	1	Brainstorm		
CQRS-1-1	CQRS	Backend can handle commands	1	Brainstorm		
End-2	Endpoint	Endpoint for getting all messages	1	Brainstorm		all services entries corresponds to a handler with call to the context
End-3	Endpoint	Endpoint for getting single message	1	Brainstorm		
End-4	Endpoint	Endpoint for getting all lifeforms	1	Brainstorm		
End-6	Endpoint	Endpoint for posting a message	1	Brainstorm		
End-7	Endpoint	Endpoint for getting single lifeform	1	Brainstorm		

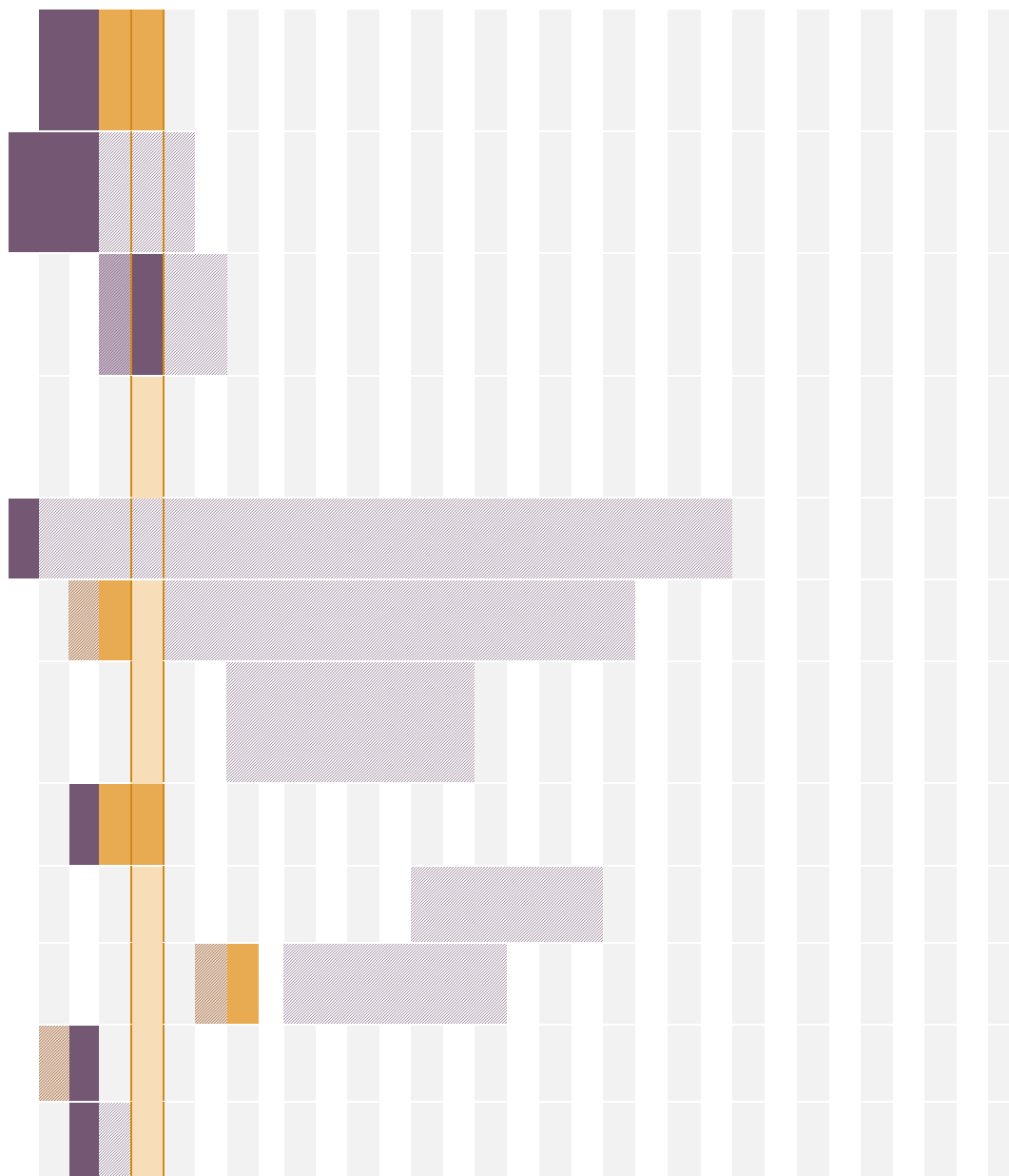|						
Error-1	Error Handling	Binary flag from validation can be converted to error messages	1	Brainstorm		
Factory-1	Factory	Factories to create entities, one for each aggregate root	1	Brainstorm		
Factory-1a	Factory	Factory for User	1	Brainstorm		
Factory-1b	Factory	Factory for Message	1	Brainstorm		
Factory-1c	Factory	Factory for Lifeform	1	Brainstorm		
Factory-5	Factory	Factories uses Result Pattern	1	Brainstorm		not really a requirement, it might be better formulated as 'Factories can return entity or errors if validation fails' to make it a requirement
Repo-4	Repository	Repository Layer uses transformation mapping	1	Brainstorm		
Repo-5	Repository	Repositories can be queried	1	Brainstorm	for CQRS	
Repo-6	Repository	Repository saving should be done via a unit of work	1	Brainstorm	ensures all repositories are saved at the same time	
Repo-7	Repository	Repository for each aggregate root	1	Brainstorm	domain driven design	
Repo-8	Repository	Base repository used by the abstraction repositories	1	Brainstorm		
Result-1	ResultPattern	Result Pattern implemented	1	Brainstorm	needed to handle errors in a graceful way	
Result-2	ResultPattern	A result can be converted to a http type (GET, DELETE, POST etc.)	1	Brainstorm	extension method	

Security-2	Security	Hash and salt user password before storing it		1	Brainstorm	needed as the user model shall not depend on entityframework core
Service-1	Service	Service for User		1	Brainstorm	two groups, a command folder and a query folder
Service-2	Service	Service for Message		1	Brainstorm	two groups, a command folder and a query folder
Service-3	Service	Service for Lifeform		1	Brainstorm	two groups, a command folder and a query folder
Service-3a	Service	Can add animal		1	Brainstorm	
Service-3b	Service	Can delete animal		1	Brainstorm	
Service-3c	Service	Can update animal		1	Programming	
Service-3d	Service	Can add plant		1	Brainstorm	

Service -3e	Service	Can delete plant		1	Brainstorm		
Service -3f	Service	Can update plant		1	Programming		
Service -3g	Service	Can pull all plants		1	Brainstorm		
Service -3h	Service	Can pull all animals		1	Brainstorm		
Service -3i	Service	Can pull details about one plant		1	Brainstorm		
Service -3j	Service	Can pull details about one animal		1	Brainstorm		
Service -4	Service	Service method for each endpoint		1	Brainstorm	endpoints as lean as possible	
SpecPtn-1	CQRS	Specification Pattern for data validation		1	Brainstorm		
SpecPtn-1a	SpecificationPattern	Can validate animal creation request		1	Brainstorm		
SpecPtn-1b	SpecificationPattern	Can validate plant creation request		1	Brainstorm		
SpecPtn-1c	SpecificationPattern	Can validate animal update request		1	Brainstorm		
SpecPtn-1d	SpecificationPattern	Can validate plant update request		1	Brainstorm		
SpecPtn-1e	SpecificationPattern	Can validate user creation request		1	Brainstorm		
SpecPtn-1f	SpecificationPattern	Can validate message creation request		1	Brainstorm		
SpecPtn-2	SpecificationPattern	Specification Pattern data retrievel from context		1	Brainstorm	this is done in the repository layer, so only need	

					to test if one query work (kind of, would be best with all)	
App-Com-3	Application/Communication	Can login	2	Brainstorm	not in first version	
App-Com-4	Application/Communication	Can logout	2	Brainstorm	not in first version	
App-Com-5	Application/Communication	It should be possible to like a message on the feed page	2	Brainstorm	Only when logged in	
Security-1	Security	Middleware should validate if the user is logged in	2	Brainstorm	Only on endpoints which require login	
End-1	Endpoint	Endpoint for login	3	Brainstorm	not in first version	
App-UI-3	Application/UI	Login page with username and password	4	Brainstorm	only display when not logged in	
App-UI-4	Application/UI	Logout page	4	Brainstorm	only display when logged in	
End-5	Endpoint	Endpoint for registrating user	4	Brainstorm	not in first version	
Security-5	Security	Can create login tokens and refresh tokens	5	Brainstorm	JWT token	
Security-4	Security	Remove expired refresh tokens	7	Brainstorm	JWT token	
File-1	File Handling	Can read image files	8	Brainstorm	not in first version	

File-2	File Handling	Can validate file signatures	8	Brainstorm	not in first version	
Security-3	Security	Rename file before uploading it	8	Brainstorm	not in first version	
File-3	File Handling	Can upload BLOBs to storage	9	Brainstorm	not in first version	
File-4	File Handling	Can remove BLOBs from storage	9	Brainstorm	not in first version	
File-5	File Handling	Can handle file with invalid signature	9	Brainstorm	not in first version	
CQRS-1-2	CQRS	Backend can use commandbus	9999	Brainstorm	To specific and not really useful	
CQRS-1-3	CQRS	Handlers for each command	9999	Brainstorm	To specific and not really useful	
Error-2	Error Handling	Validation can generate a binary flag of errors	9999	Brainstorm	priority given it would not be tested nor really is a requirement, just an implementation design	
Repo-1	Repository	Repository for User	9999	Brainstorm		
Repo-2	Repository	Repository for Message	9999	Brainstorm		
Repo-3	Repository	Repository for Lifeform	9999	Brainstorm	split into 3, 1 for	

						saving and 2 for retrieving out from specific subtypes	

Projektpl anlægger

Fremhævning af tidsrum:	5

Varighed for plan

Faktisk startdato

% fuldfø rt

Faktisk (ud over plan)

% fuldført (ud over plan)

AKTIVITET	STARTDATO FOR PLAN	VARIGHED FOR PLAN	FAKTISK STARTDATO	FAKTISK VARIGHED	PROCENTDEL FULDFØRT	TIDSRUM	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33
Case Beskrivelse skrivning	1	1	1	1	**100%**		

Gantt Opsætning	2	2	2	4	100%
Backend base struktur	1	6	1	3	100%
Backend implementering	4	4	5	0	80%
SignalR implementering	0	2	0	0	0%
Produktrapport	1	23	1	0	20%
Processer rapport	6	15	4	0	10%
App implementering	8	8	0	0	0%
Kravspecifikationer	3	1	3	3	100%
App Test	14	6	0	0	0%
Backend Test	10	7	8	0	40%
Endpoints	3	1	3	0	80%
CQRS	3	2	3	1	100%

Factories	4	2	4	3	100%
Repositories	3	1	3	1	100%
Result Patterns	1	1	1	1	100%
Security	14	4	0	0	0%
Services	4	3	4	0	80%
Specification Pattern	4	2	3	3	100%
App/Communication	8	4	9	0	0%
App/UI	8	3	9	0	0%
App/Tech	8	6	9	0	0%
Context	2	1	2	3	100%
App/SignalR	0	2	0	0	0%