System Design Document

Friday November 19, 2021 Sprint 4



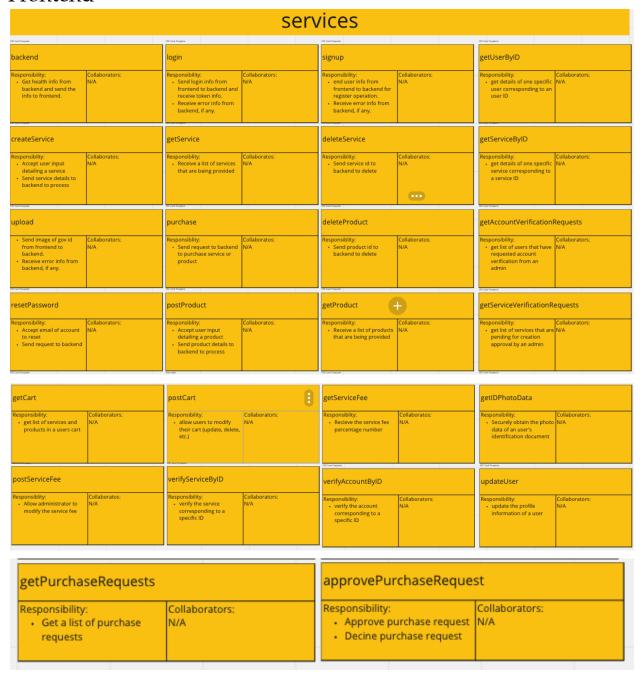
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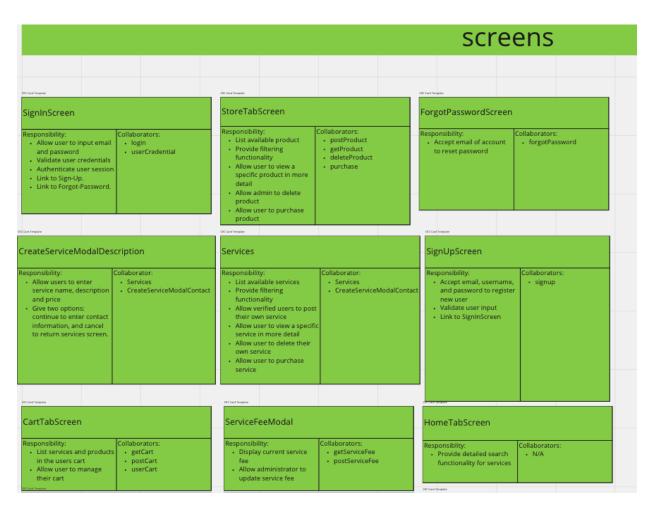
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CRC Cards

Frontend

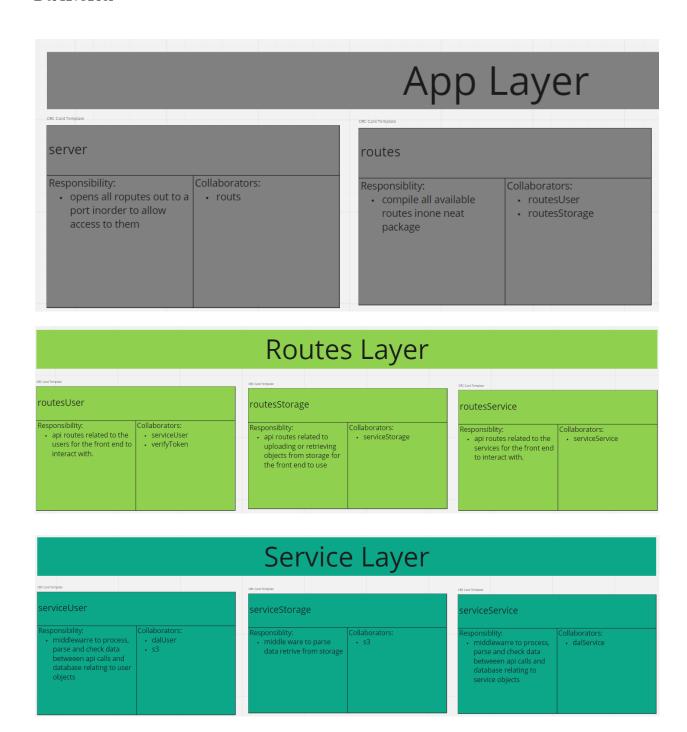


redu					
userCredential		userCart			
Responsibility: hold userToken (initially null) Add token Clear token	Collaborators: N/A	Responsibility: • Manage services and products in user cart	Collaborators: N/A		





Backend



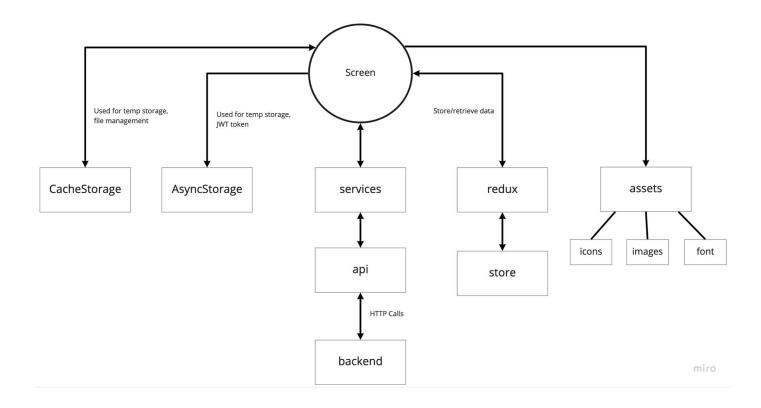
		Data Acce	ess Laye
osc Card templas dalUser		dalService	
Responsibility: • upload and query user related objects from the database • util function related to user objects	Collaborators: modelUser modelUserCredentials modelUserVerificationRequests	Responsibility: upload and query service related objects from the database util function related to service objects	Collaborators: modelService modelVerificationRequests

		Mo	dels				
CRC Cand Template		CRC Card Template		CRC Card Template			
modelUser		modelUserCredentials		modelUserVerificationRequest			
Responsibility: • define User object schema	Collaborators: N/A	Responsibility:	Collaborators: N/A	Responsibility: Define User/VerificationRequest object schema	Collaborators: N/A		
modelService		modelServiceVerification	onRequest				
Responsibility: Define Service object schema	Collaborators: N/A	Responsibility:	Collaborators: N/A				
		1	Jtils				
		•	Juis				
NC Card Templata		verifyToken		emailConfig			
Responsibility: • upload and retrive objectds from s3 bucket	Collaborators: N/A	Responsibility: • verify session token	Collaborators: N/A	Responsibility: • create email te	Collaborators: mplates N/A		

System Architecture Diagram (<u>Node.js Layered Arch</u>)

Frontend

Architecture



Backend

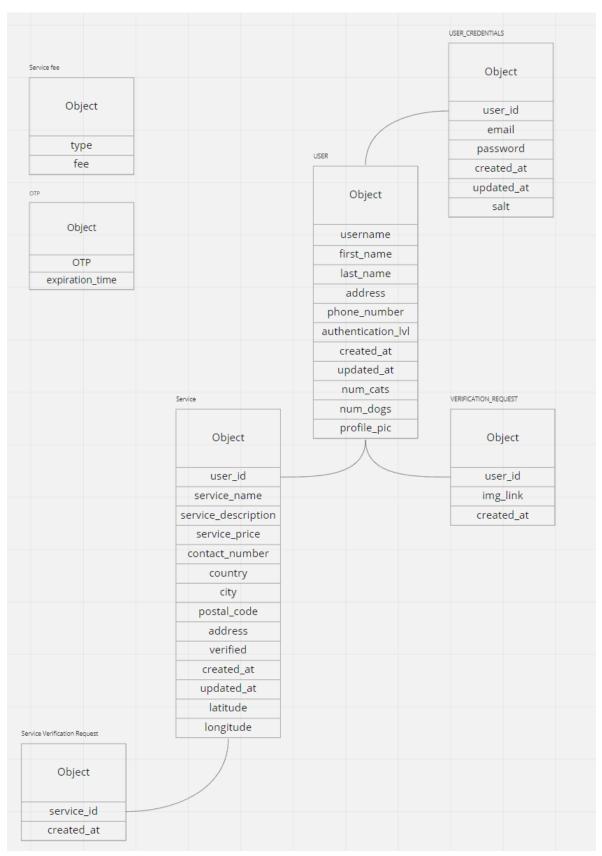
Server Endpoints & Descriptions

Summary	Path	Auth Required	Verification level Required	Method	Payload	Response
			Sprint 1			
Register	/api/v1/users/register	No	None	POST	{ email: email, username: user, password: password }	USER
Login	/api/v1/users/login	No	None	POST	{ email: email, password: password }	USER
Forgot Password	/api/v1/forgot- password/{email}	No	None	POST	email: email	None
Reset Password	/api/v1/reset- password/{email}	No	None	POST	{ encryptedEmail: email, encryptedOTPId: id, otp: code, password: password }	USER
Update Account Details	/api/v1/users/self	Yes	User	PUT	{ first_name: f_name, last_name: l_name, address: address, phone: phone }	USER
lequest User Verfication	/api/v1/users/self/request- verification	Yes	Unverified User	POST	gov-id: png/jpg	None
etrieve User Verification	/api/v1/users/verification- request	Yes	Owner/Admin	GET	Query Params: limit: int skip: int	List[Verification_reque
pprove User Verification Request	/api/v1/users/verification- request	Yes	Owner/Admin	PUT	{ user_id: user_id, approved: boolean }	None
Get Account Details	/api/v1/users/self	Yes	User	GET	None	USER
et Account Details By Id	/api/v1/users/{user_id}	No	None	GET	None	USER
Get Image	/api/v1/storage/media/{imag e_key}	No	None	GET	None	png/jpg

			Sprint 2			
Post service (request to verify service)	/api/v1/services/request- verification	Yes	Verified User	POST	{ service_name: name, service_description: description, service_price: price; contact_number: number, country; country; city; city, postal_code; address: address }	None
Retrieve Service Verification	/api/v1/services/verification- request	Yes	Owner/Admin	GET	Query Params: limit: int skip: int	List[Service_verification_requ est]
Approve Service Verification Request	/api/v1/services/verification- request	Yes	Owner/Admin	PUT	{ service_id: service_id, approved: boolean }	None
Get Service Details	/api/v1/services/{serviceld}	No	None	GET	None	Service
Get Verified Services	/api/v1/services/verified	No	None	GET	Query Params: limit: int skip: int	List[Service]
Get Service Fees	/api/v1/services/getFees	Yes	Owner/Admin	GET	None	Fee
Update Service Fees	/api/v1/services/updateFees	yes	Owner/Admin	PUT	{ fee: Number }	None

			Sprint 3			
Upload Image	/api/v1/storage/media	No	None	POST	media: png/jpg	{ key: image_key }
Update Profile	/api/v1/users	Yes	User	PUT	{ first_name: first_name, last_name: last_name, address; address, phone_number: phone_number; num_dogs: num_dogs, num_cats: num_cats, profile_pic: profile_pic, }	User
Update Service	/api/v1/services	Yes	User	PUT	{ serviceld: serviceld, service_name. name, service_description: desc, service_price: price; contact_number: number }	Service

Database Schema Models



Architecture

