System Design Document

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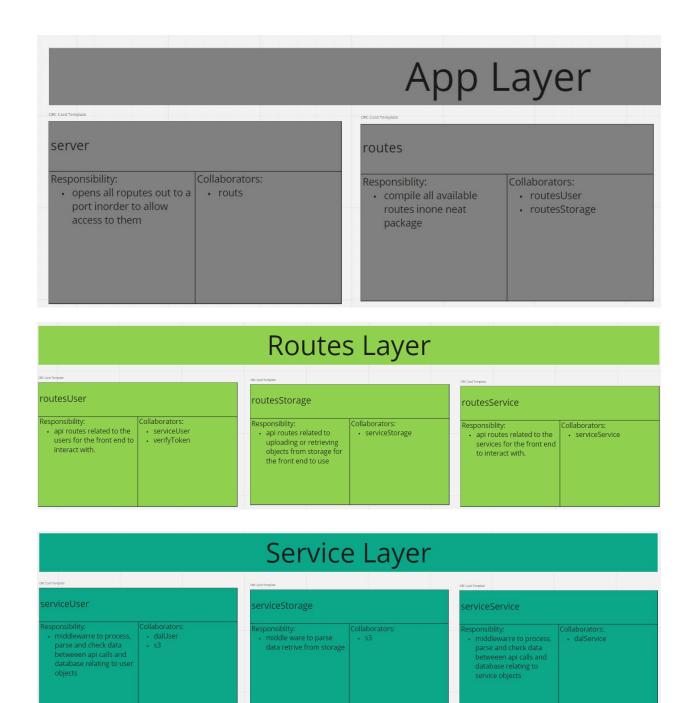
CRC Cards

Frontend

services							
backend		login		signup		getUserByID	
Responsibility: Get health info from backend and send the info to frontend.	Collaborators: N/A	Responsibility: Send login info from frontend to backend and receive token info. Receive error info from backend, if any.	Collaborators: N/A	Responsibility: end user info from frontend to backend for register operation. Receive error info from backend, if any.	Collaborators: N/A	Responsibility: - get details of one specific user corresponding to ar user ID	Collaborators: c N/A
createService		getService		deleteService		getServiceByID	
Responsibility: Accept user input detailing a service Send service details to backend to process	Collaboratos: N/A	Responsibility: Receive a list of services that are being provided	Collaboratos: N/A	Responsibity: - Send service id to backend to delete	Collaboratos: N/A	Responsibility: - get details of one specific service corresponding to a service ID	Collaborators: t N/A
upload		purchase		deleteProduct		getAccountVerificationRequests	
Send image of gov id from frontend to backend. Receive error info from backend, if any.	Collaborators: N/A	Responsibility: Send request to backend to purchase service or product	Collaboratos: N/A	Responsibility: - Send product id to backend to delete	Collaborates: N/A	Responsibility: - get list of users that have requested account verification from an admin	Collaborators: N/A
Sibi Gest Emples		106 Sert Sergious		Site Card Employ		SHI Get Temples	
resetPassword	Collaborators:	postProduct		getProduct		getServiceVerificationR	lequests Collaborators:
Responsibility: • Accept email of account to reset • Send request to backend	N/A	Responsibility: Accept user input detailing a product Send product details to backend to process	Collaboratos: N/A	Responsibility: Receive a list of products that are being provided	Collaboratos: N/A	Responsibility: • get list of services that are pending for creation approval by an admin	
getCart		postCart		getServiceFee		getIDPhotoData	
Responsibility: • get list of services and products in a users cart	Collaborators: N/A		Collaborators: N/A	Responsibility: Recieve the service fee percentage number	Collaboratos: N/A	Responsibility: Securely obtain the photo data of an user's identification document	Collaborators: N/A
postServiceFee verifyServiceByID			verifyAccountByID				
Responsibility: • Allow administrator to modify the service fee	Collaboratos: N/A	Responsibility: • verify the service corresponding to a specific ID	Collaborators: N/A	Responsibility: • verify the account corresponding to a specific IID	Collaborators: N/A		
				di ive			
			rec	xub			
Olician Copies		GM San Torque					
userCredential Responsibility:	Collaborators:	userCart Responsibility:	Collaborators:				
hold userToken (initially null) Add token Clear token	Losaporators. N/A	Manage services as products in user ca	nd N/A				



Backend



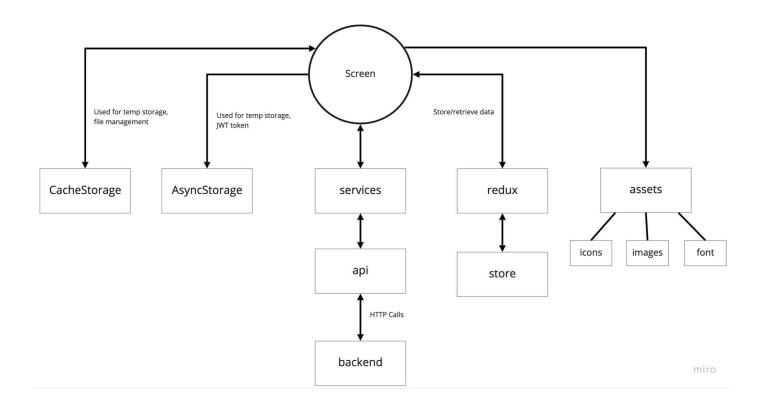
	Data Access Layer				
osc Card templas dalUser		dalService			
Responsibility: • upload and query user related objects from the database • util function related to user objects	Collaborators: modelUser modelUserCredentials modelUserVerificationRequests	Responsibility: upload and query service related 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



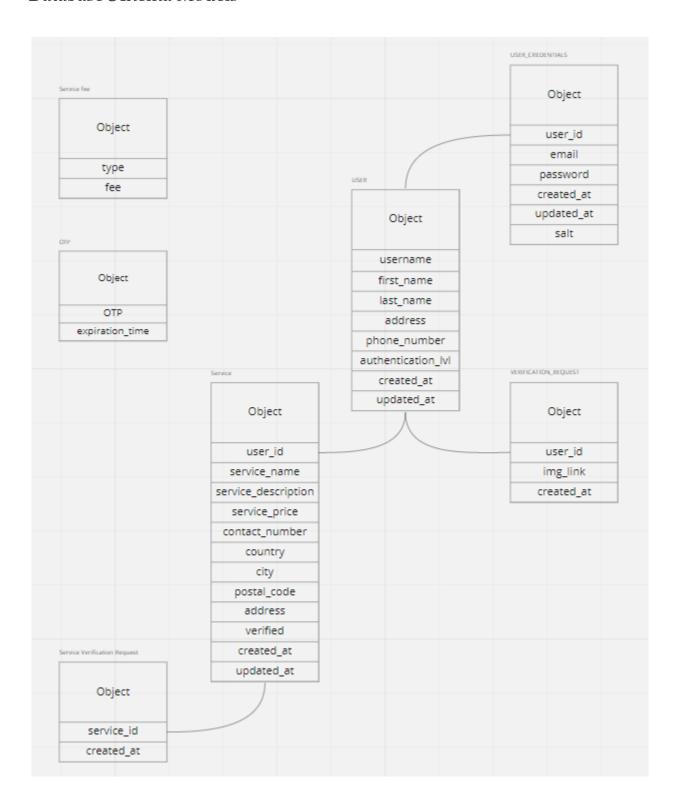
Backend

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, encryptedOTPld: id, otp: code, password: password }	USER
Jpdate Account Details	/api/v1/users/self	Yes	User	PUT	{ first_name: f_name, last_name: l_name, address: address, phone: phone }	USER
equest 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	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: 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_request]
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

Database Schema Models



Architecture

