System Design Document

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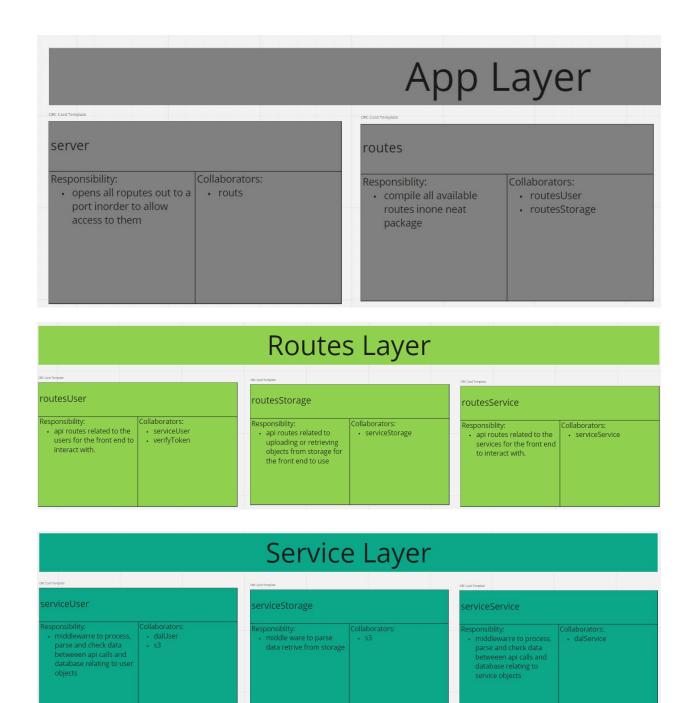
CRC Cards

Frontend

			ser	vices			
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	Collaboratos:	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	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		verifyServiceBylD		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	Conductors. N/A	Manage services as products in user ca	nd N/A				



Backend



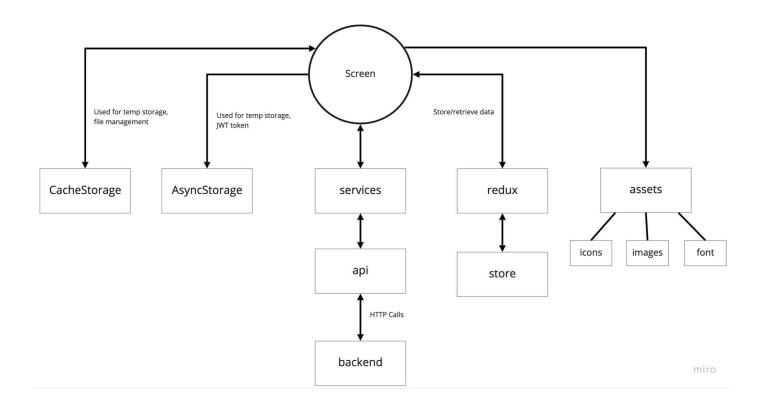
		Data Access Layer
Responsibility: upload and query user related objects from the database utilifunction related to user objects	Collaborators: modelUser modelUserCredentials modelVerificationRequests	
		Models

			M	odels		
CIX Card Template		CRC Card Template		CIC Card Template		
modelUser		modelUserCredentials	5	modelVerification	nRequest	
Responsibility: - define User object schema	Collaborators: N/A	Responsibility: - define UserCredential object schema	Collaborators: N/A	Responsibility: Define VerificationReque: schema	Collaborators: N/A st object	
			l	Utils		
CHC Card Template		CRC Card Template				
s3		verifyToken				
Responsibility: upload and retrive objectds from s3 bucke	Collaborators: N/A t	Responsibility: • verify session	Collaborato on token N/A	ors:		

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

Frontend

Architecture

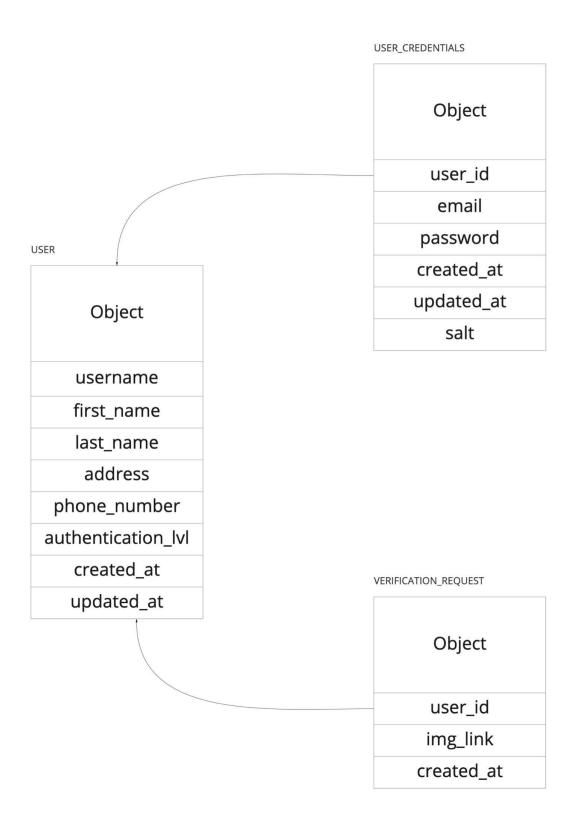


Backend

Server Endpoints & Descriptions

Summary	Path	Auth Required	Verification level Required	Method	Payload	Response
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
opdate Account Details	/api/v1/users/self	Yes	User	PUT	{ first_name: f_name, last_name: l_name, address: address, phone: phone }	USER
Request Verfication	/api/v1/users/self/request- verification	Yes	Unverified User	POST	gov-id: png/jpg	None
Retrieve Verification	/api/v1/verification-request	Yes	Owner/Admin	GET		List[Verification_requ
Approve	/api/v1/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 ld	/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

Database Schema Models



Architecture

