# System Design Document

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## **CRC Cards**

#### Frontend



## redux



miro

### screens

Responsibility:

Allow user to input email and password

Validate user credentials

Authenticate user session

Link to Sign-Up.

Link to Forgot-Password.

SignUpScreen

Responsibility:

- Accept email, username, and password to register new user

- Validate user input

- Link to SignInScreen

ResetPasswordScreen

Responsibility:

- Accept email of account to reset password

- Accept new password

- Collaborators:

- resetPassword

- resetPassword

HomeTabScreen

Responsibility: Collaborators: N/A

Provide detailed search functionality for services

ServicesTabScreen

Responsibility:

List available services
Provide filtering functionality
Allow verified users to post their own service
Allow user to view a specific service in more detail
Allow user to delete their own service
Allow user to purchase service

StoreTabScreen

Responsibility:

- List available product
- Provide filtering
functionality
- Allow user to view a
specific product in more
detail
- Allow admin to delete
product
- Allow user to purchase
product

AccountTabScreen

Responsibility: Collaborators: upload

• Allow user to upload government id

• Allow user to log out

CartTabScreen

Responsibility:

List services and products in the users cart

Allow user to manage their cart

Collaborators:

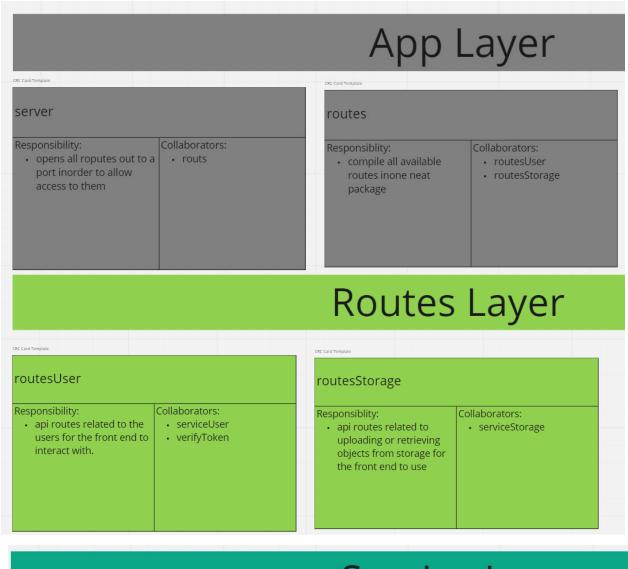
getCart

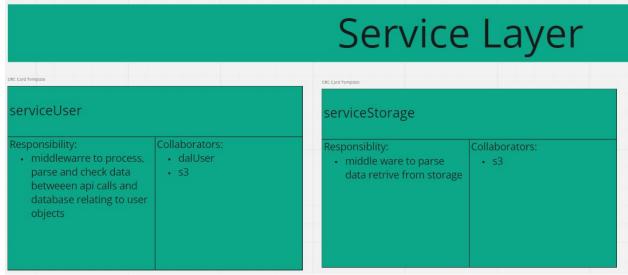
postCart

userCart

miro

### **Backend**





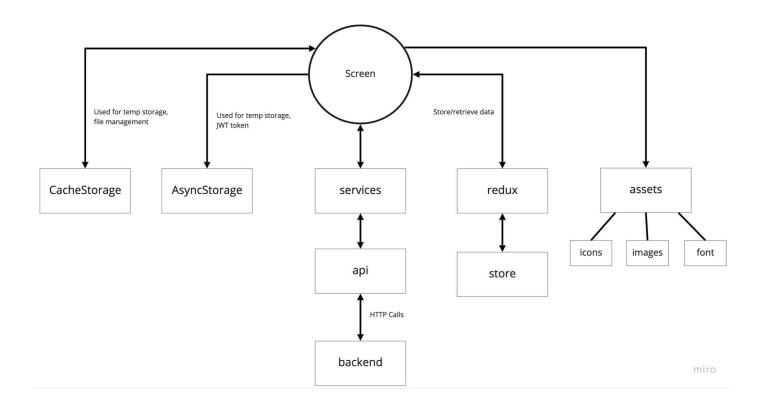
		Data Access Layer
Responsibility:  upload and query user related objects from the database utilifunction related to user objects	Collaborators: modelUser modelUserCredentials modelVerificationRequests	
		Models

			М	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

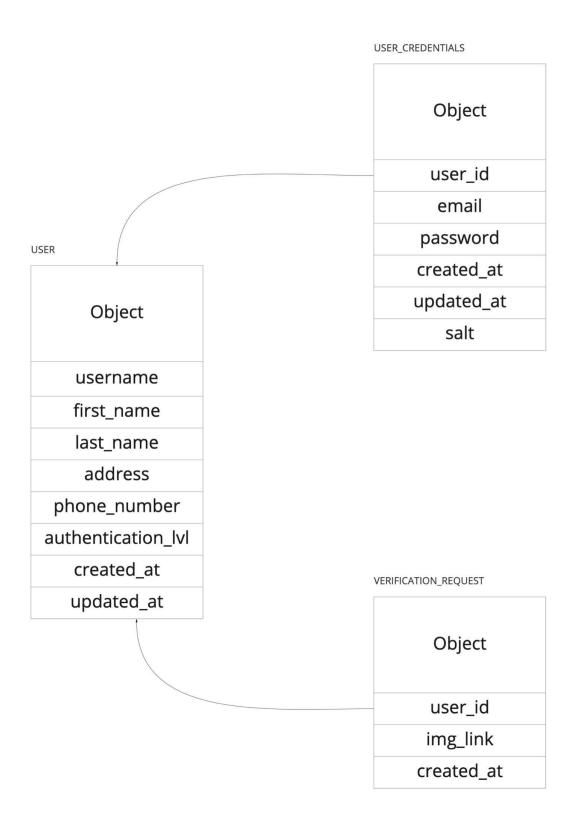


## Backend

# 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

