



Unique Identification Authority of India
Government of India



UIDAI HACKATHON

TEAM REFERENCE ID : NxDjf4i22o

TEAM NAME : NAV MYKRO INFINITY

PROBLEM STATEMENT - 1

ADDRESS UPDATE CHALLENGE IN URBAN AREAS

PROBLEM STATEMENT

Address Update Challenge in Urban Areas

A quick fix for the botheration faced by the rented house community, present-day people migrate to transplace and undergo complications in revising their address often due to the complicated proceedings, taking into account the security issues, adaptability and accessibility of the users enabling the developed concept would aid in solving the user concerns accurately.

DETAILED APPROACH

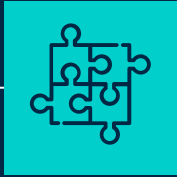
Considering the user has in hand the landlord's aadhar number, providing such in the user input and equating it with the database which will initiate a trigger notification to the phone number provided as an input.

The landlord considers the notified information as authentic, in return granting the user with distinctive access through which the user can get acquainted with the appropriate address.

After knowing the address, the user can amend the respective changes to be done in the AADHAR by following the existing procedures.



APPROACH



01

PROBLEM

Difficulty in updating address in Aadhar without supporting documents.



02

SOLUTION

Updating the address virtually through EKYC. Embedding EKYC API with the application to update.



03

TARGET

Helps people to update address remotely with help of landlord's data.

OUR SOLUTIONS

LOGIN

Verifies user for the identity using captcha and otp and directs in.

CLAIM/ACCEPT REQUEST

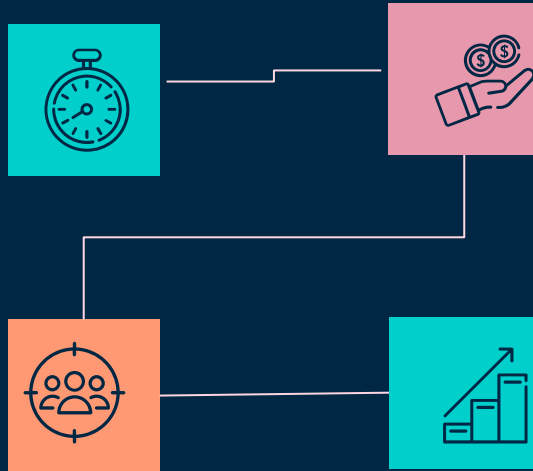
Incase of user a tenant,he/she should provide landlord's phone number to initiate the session. Else user a landlord,he can click on the button to view all the request.

SESSION ROOM

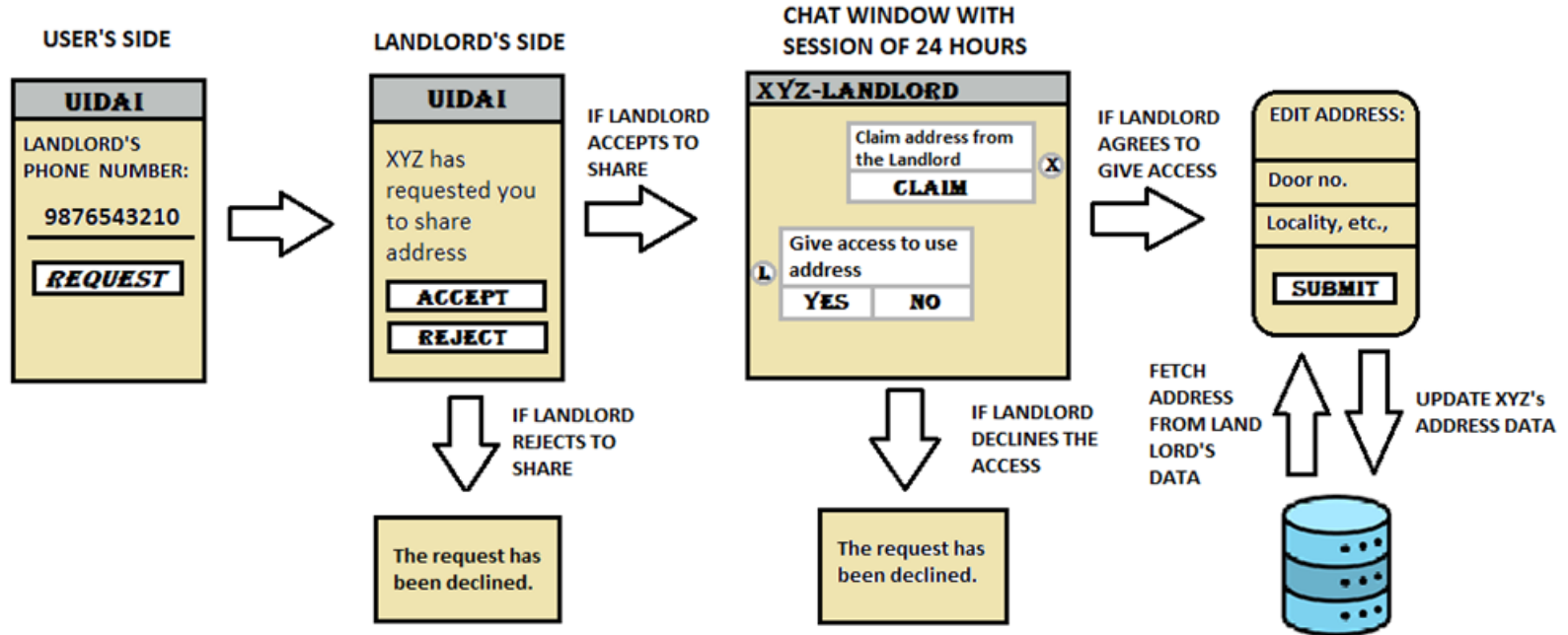
If both the parties agrees,a session room will be created for 24hrs through which tenant can get address access from the landlord.

EKYC UPDATE

Claimed address will be modified slightly by the tenant and then the EKYC will be updated at the end.



ARCHITECTURAL DIAGRAM



API'S USED



Offline-ekyc-wrapper-flow-simulation

Through which xml file containing details is downloaded and used for updation.

otpiclient

Used for authentication of user.

SECURITY CONSIDERATIONS

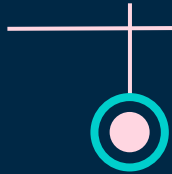
- Each Considering the user's privacy concerns, Implementing hybrid encryption and steganography algorithm in the concept by which modifying the user texts into hash encrypted form when stored in the database for future references, but on displaying the message sent by the user is addressed in the same human-readable format for the landlord.
- User input messages to the landlord are generated into a simple separate blocks. Hereby Blockchain technology provides security to the data blocks with it's certain hash functions and hashing keys using hybrid encryption and stenography.



ADVANTAGES



Blockchain



Achieving the shielded security of user data by implementing the trending concept of blockchain through which translating the texts into a hash format for audit purposes.

Ability of a process, network, software or organization to grow and manage increased demand

Scalability



Database



Access to the central database is granted only after permission until then only the local database is updated.

SNEAK PEEK

UIDAI - Aadhaar

127.0.0.1:5000/index

For Address Request

Landlord Phone Number

9445210125

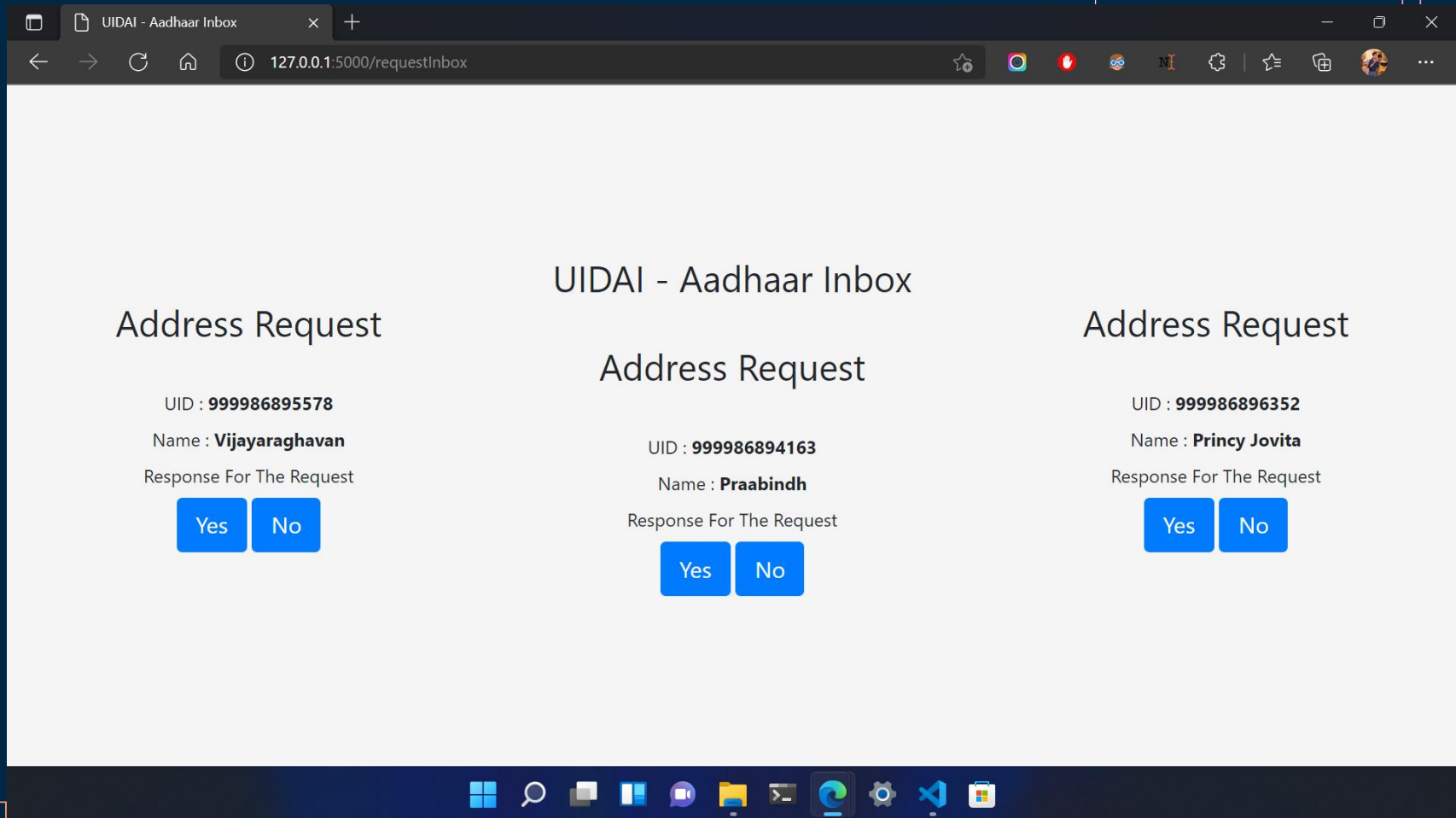
hKgchr

Send Request

UIDAI - Aadhaar

View Request Inbox

Recieved Requests



UIDAI - Aadhaar Chat Room : hKgchr

<9445210125 has entered the room.>
<Vijayaraghavan has entered the room.>
Vijayaraghavan : Hi, Sir
Hash:
807192afa988936994ceca677b0be073dc38f823700b6cb3e2b8cf1baa2e953b
Vijayaraghavan : I'm your tenant, can you please accept my request?
Hash:
fa19133eaf43c824d0634f662453994895a421dec380d4580fac9d2ff638f2e5

Enter your message here

SEND

End Chat

UIDAI - Aadhaar Chat Room : hKgchr

807192afa988936994ceca677b0be073dc38f823700b6cb3e2b8cf1baa2e953b
Vijayaraghavan : I'm your tenant, can you please accept my request?
Hash:
fa19133eaf43c824d0634f662453994895a421dec380d4580fac9d2ff638f2e5
Vijayaraghavan : Okay, Sure
Hash:
b34b29b052333a03face42a6ad0f2e71cdc42602a421d2dc91f304e65d84030a

Enter your message here

SEND

End Chat

UIDAI - Aadhaar

127.0.0.1:5000/cla...

UIDAI - Aadhaar

Claim Request Sent Successfully

Address : **A 15 2 ND FLOOR NO 10 IHFD FLATS
RAMAKRISHANAPURAM 1 ST STREET
Adambakkam Kancheepuram Tamil Nadu
600088**

View Status

UIDAI - Aadhaar

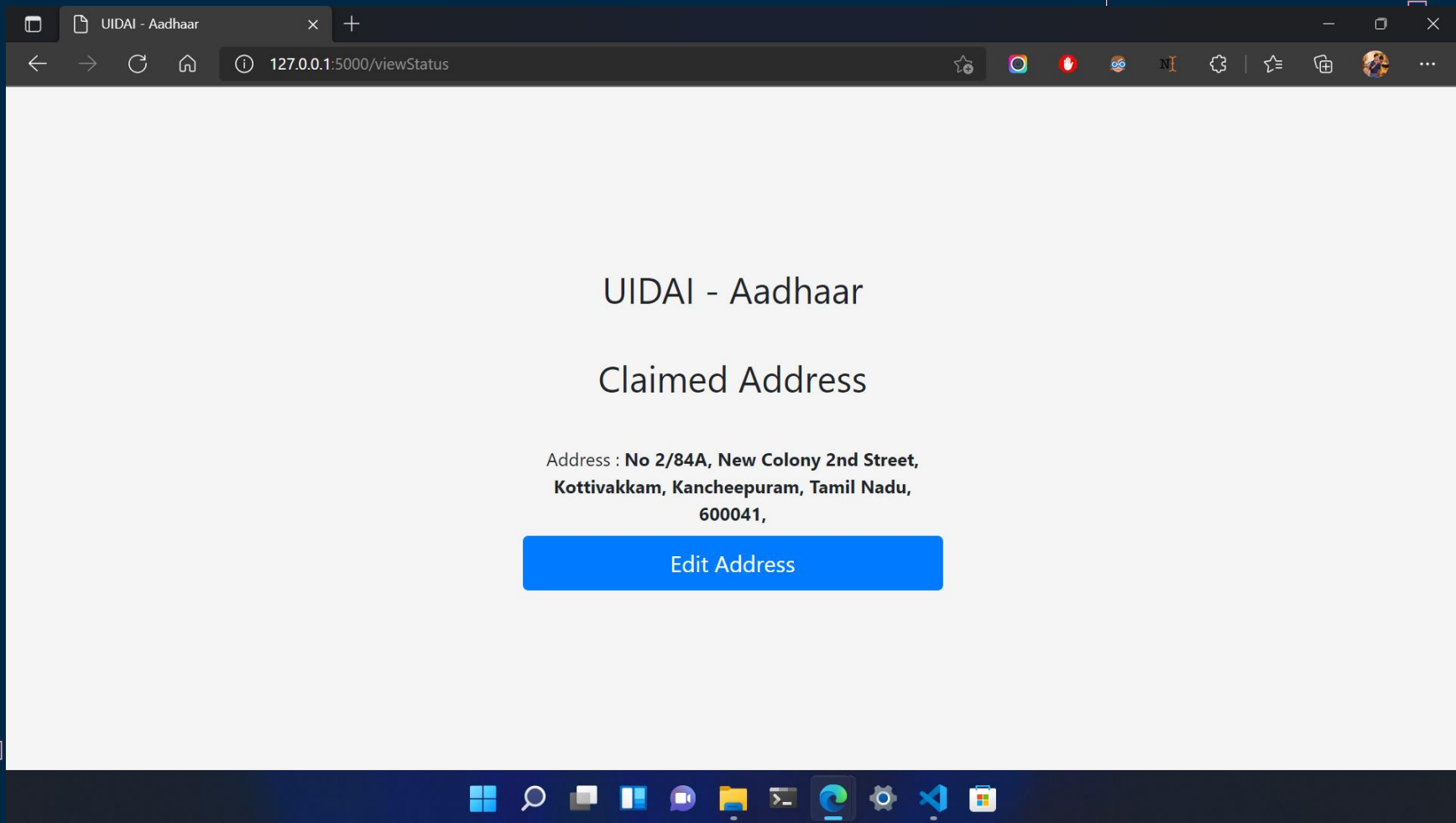
127.0.0.1:5000/ap...

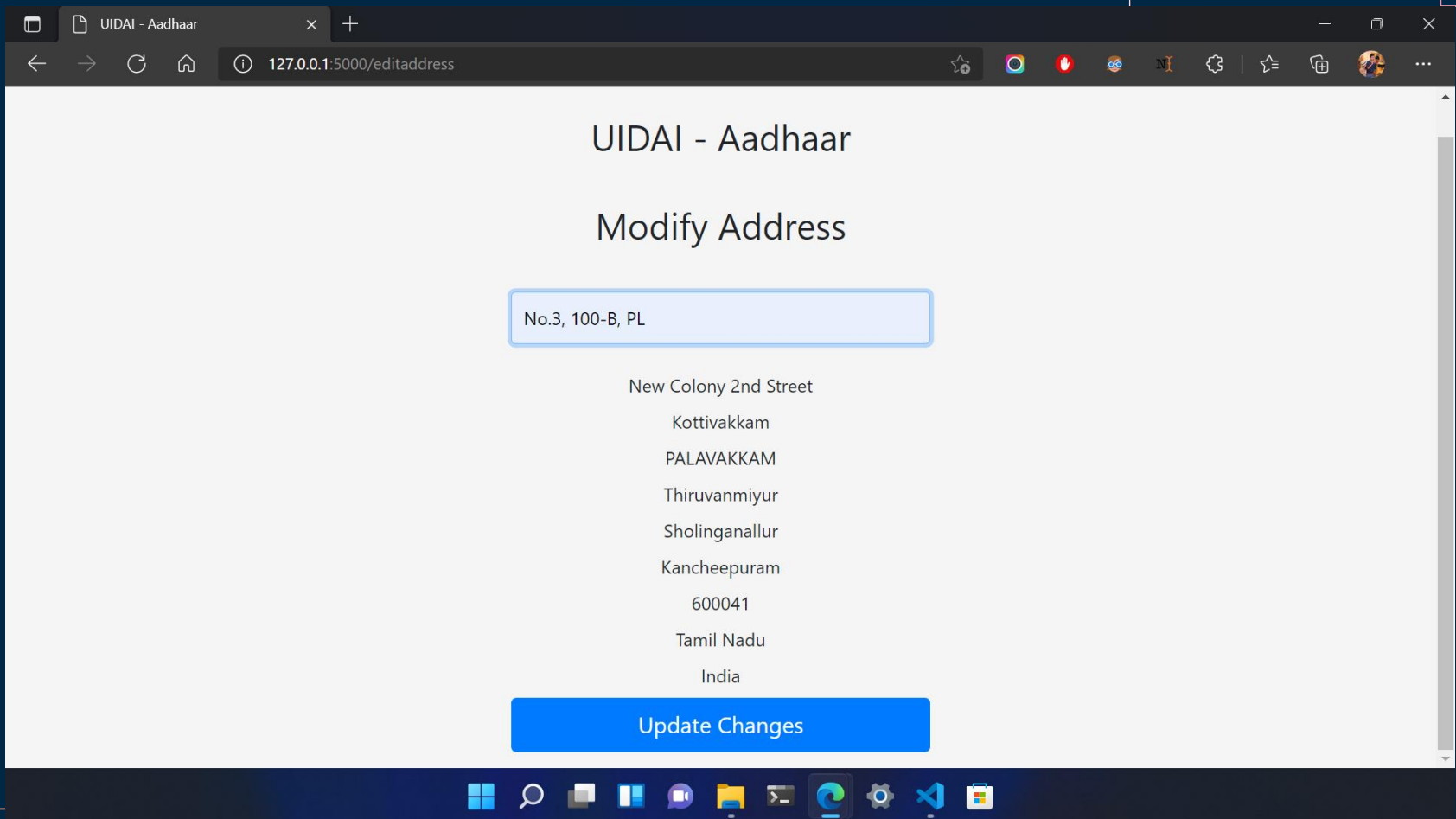
UIDAI - Aadhaar

Approved Successfully

Sign Out







THANK YOU !!

TEAM MEMBERS

Vijayaraghavan D

Varsha C

Varsha V

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Praabindh P