

PROJECT REPORT
ON
Online Aadhar card application

B.Tech (CE) Sem-IV
In the Subject of
SP Project Work

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CERTIFICATE

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1. Abstract

Now a day covid-19 is in action so people have to avoid going outside of home.so in this time everything is going digital and online work and avoid crowed at gov corporation for get necessary document.

To overcome these situation, there arise a need for online Aadhar card application. Online Aadhar card application web is built for the same reason. It's helps Indian residents to apply new Aadhar , download Aadhar card , update in their Aadhar card at their own home without visit gov corporation.

2. Introduction

1.1 Introduction of Online Aadhar card Application WEB

Online Aadhar card application web is built for the Indian resident. It's helps Indian residents to apply new Aadhar , download Aadhar card , update in their Aadhar card at their own home without visit gov corporation and very quick at any time any where.

Features of Online Aadhar card Application:-

- Users can apply new Aadhar card.
- Users can see/download Aadhar card details.
- In case of any update in detail of Aadhar card user can also update details.
- User can generate Aadhar card number using VID or generate master otp.

1.2 Technology/Platform/Tools Used

Django :

Django is the official web development framework of python. Which provide best platform for web development using python.

Python :

Python is a general-purpose programming language that is class-based, object-oriented, and designed to have as few implementation dependencies as possible.

Html :

Html used to describe data.it is well readable both by human and machine. It is scalable and simple to develop. In Web it is used for designing web s as html is lightweight language.

Twilio message sending System:

Twilio library use for send one time password to user's mobile number for user verification.

3. Software Requirement Specifications

Online Aadhar card Application :-

R1. New Aadhar Application

R.1.1 Signup

Description :

For new applicant, he/she have to sign up at 1st time.

Input: necessary details

Output: display message

Process: fill form for signup and get username and password.

R.1.2 Login

Description :

User have to sign for use functionality of web application.

Input: user name and password

Output: home page of web

R.1.3 Apply New Aadhar

Description :

A portal to apply for Aadhar Card, a form to be filled to

Issue Aadhar Card; Some necessary Documents are needed to be attached with the Form. then submit form and get message that user's application for new Aadhar card is accepted.

- Input: fill the form and upload documents
- Output: display message
- Process: fill form correctly and submit it for verification.

R2. Update in Aadhar details

R.2.1. NAME UPDATE:

Description:

select update name option and enter modified name and submit it. After submitting user redirect to update page.

- input: modified name
- output: display message and redirect to update portal
- Process: click on change name fill form and submit it. It's modify user's name.

R.2.2. ADDRESS UPDATE:

Description :

select update name option and enter modified address and submit it. After submitting user redirect to update page.

- input: Modified address
- output: display message and redirect to update portal
- Process: click on change address fill form and submit it. It's modify user's address.

R.2.3. PHOTO UPDATE:

Description:

select update photo option and upload new photo and submit it. After submitting user redirect to update page.

- input: upload new photo
- output: display message and redirect to update portal
- Process: click on change photo and upload photo and submit it. It's update user's photo.

R.2.4. EMAIL OR MOBILE NUMBER UPDATE:

Description :

select update mobile number/email option and enter new mobile number/email and verify using otp and submit it. After submitting user redirect to update page.

- input: new mobile number/email and otp
- output: : display message and redirect to update portal
- Process :click on change email/number fill form and enter otp and submit it. It's update user's mobile number/email.

R.2.5. DATE OF BIRTH UPDATE:

Description :

select update DOB option and enter new DOB and submit it. After submitting user redirect to update page.

- input: new date of birth
- output: display message and redirect to update portal
- Process: enter new birth date and submit it. It's update user's birth date.

R.3 Generation and verification

R.3.1 Generate Aadhar Number

- Input: click on generate Aadhar number. And enter user's VID number
- output: display user's VID number

R.3.2 Master otp

Description :

Click this to get an otp that can be used to get Aadhar details, get/retrieve Aadhar no., temporary access for verifications, used to get E-Aadhar and simple mobile number verification.

- input: enter mobile number
- output: display otp with message (valid still you not leave)

R.3.3 Download Aadhar card

description:

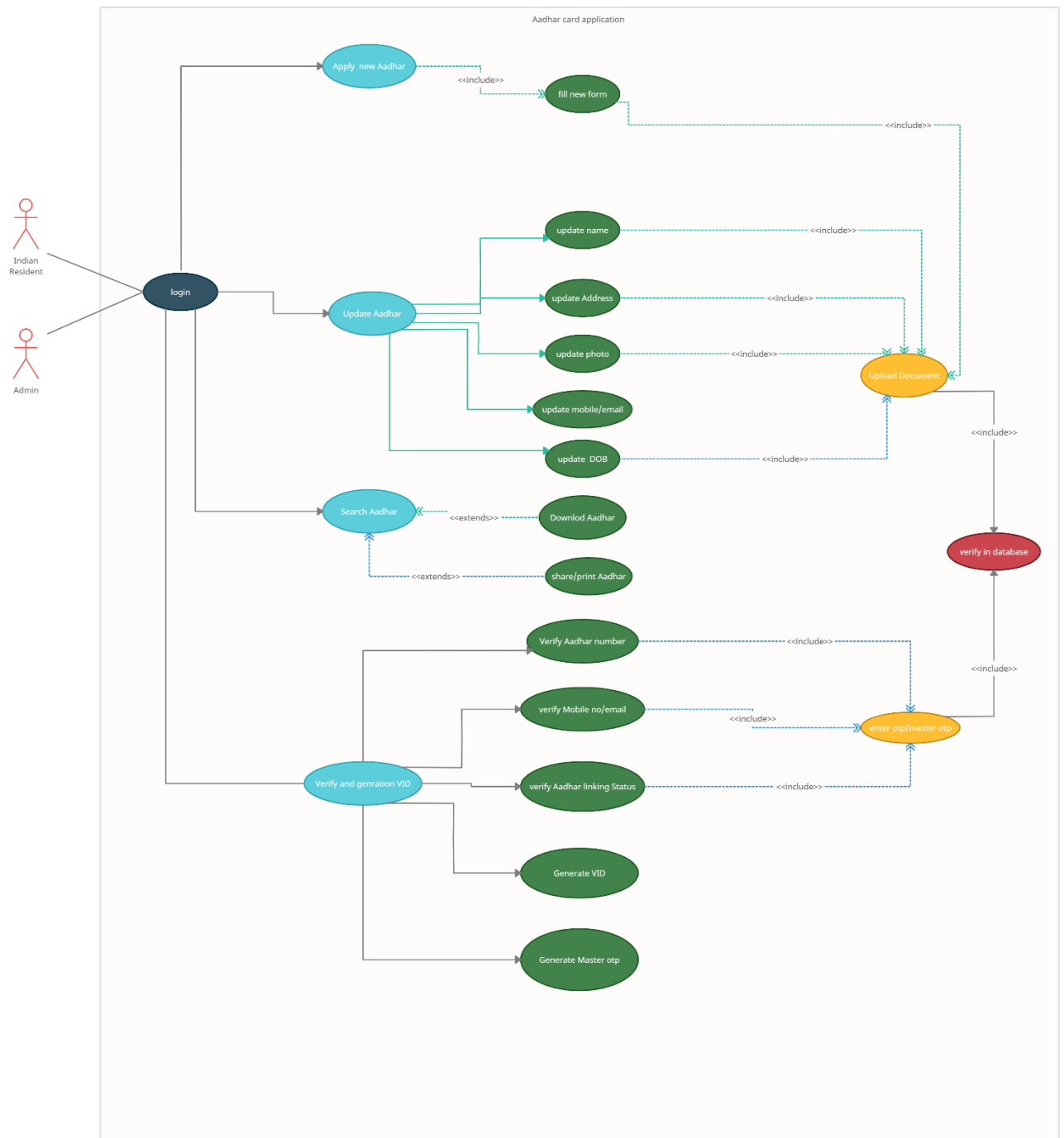
user enter Aadhar number and mobile number and otp.

Then E-Aadhar will download.

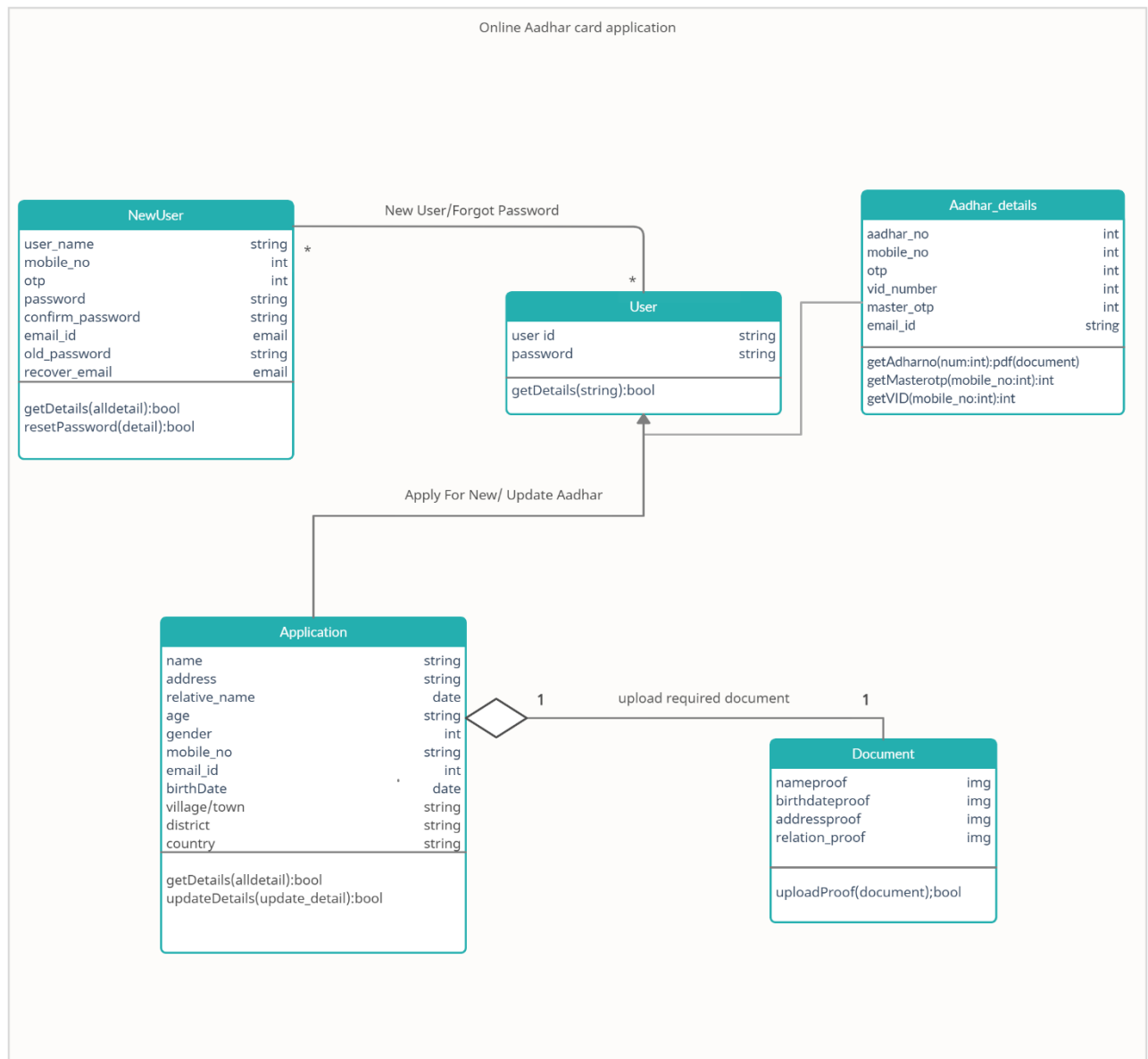
- Input: Aadhar number , mobile number and otp
- Output: E-Aadhar card

4. Designs

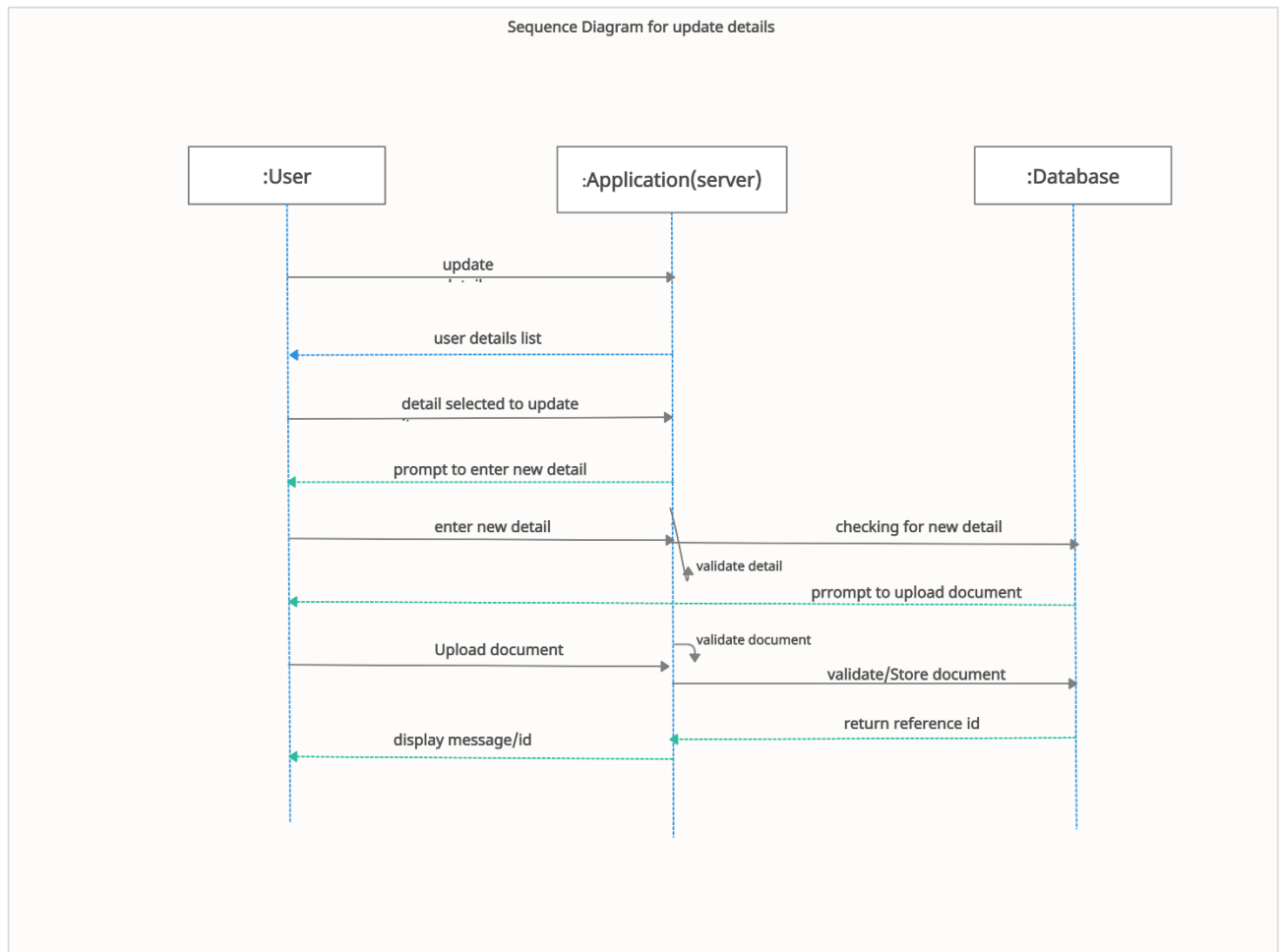
- **Usecase Diagram :-**

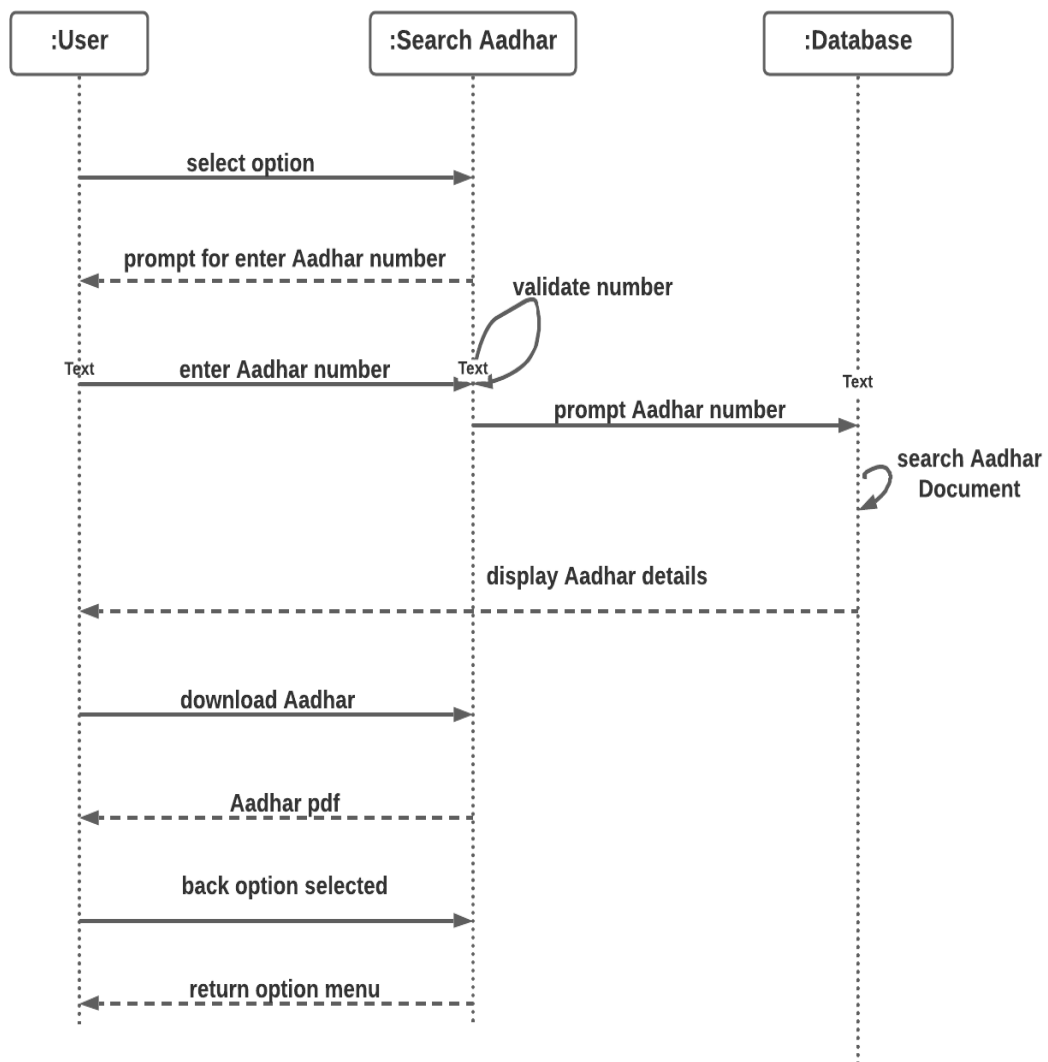


- **Class Diagram :-**

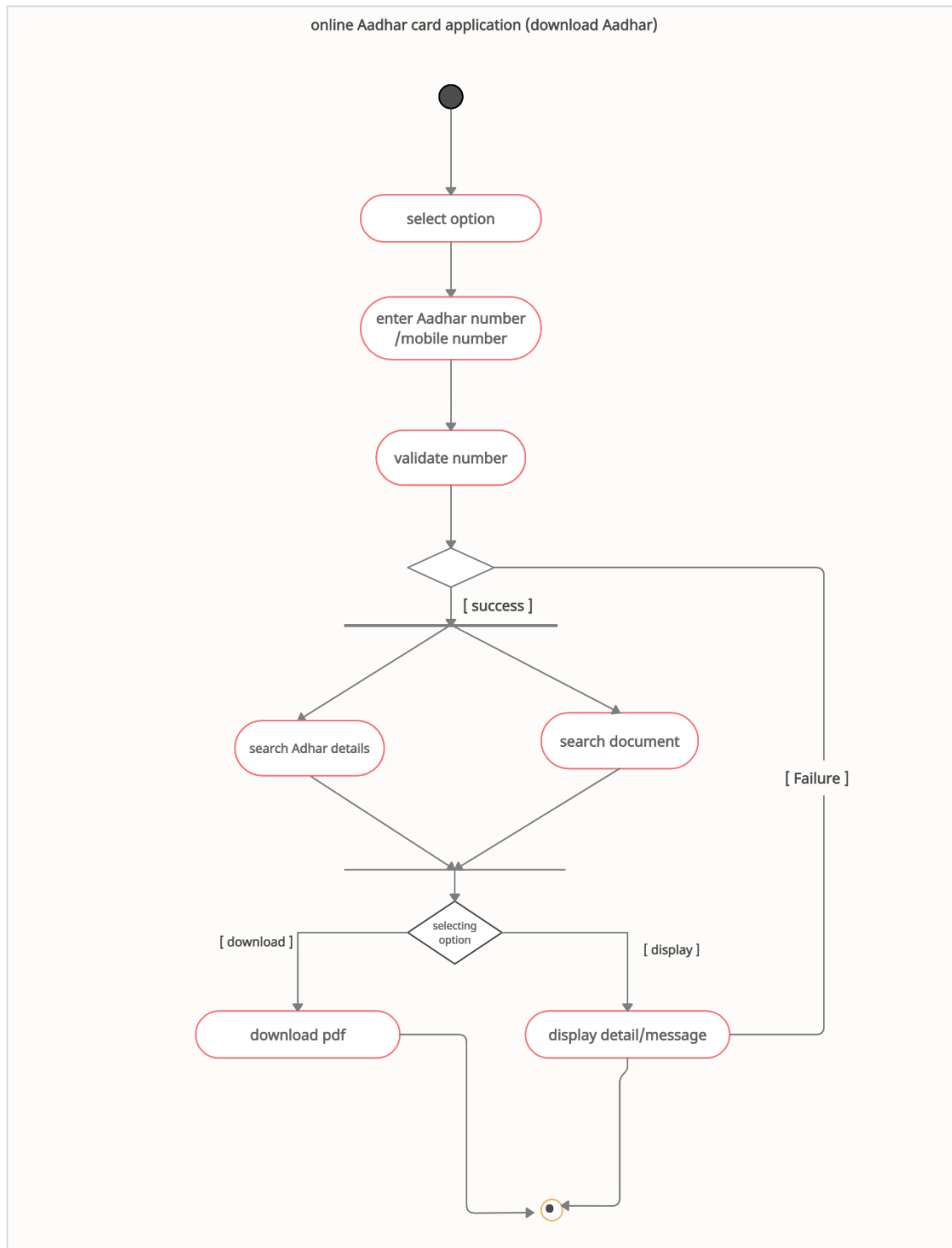


- **Sequence Diagram :-**

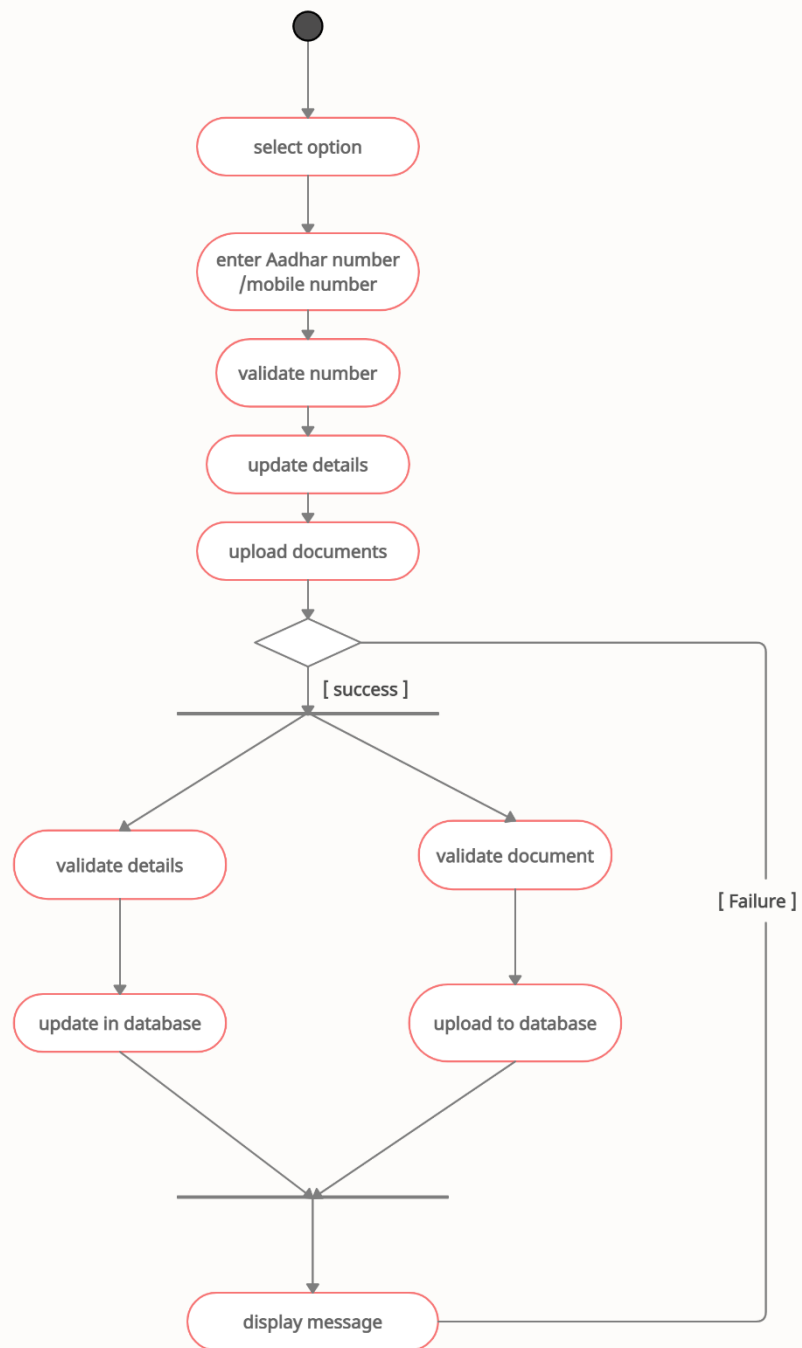




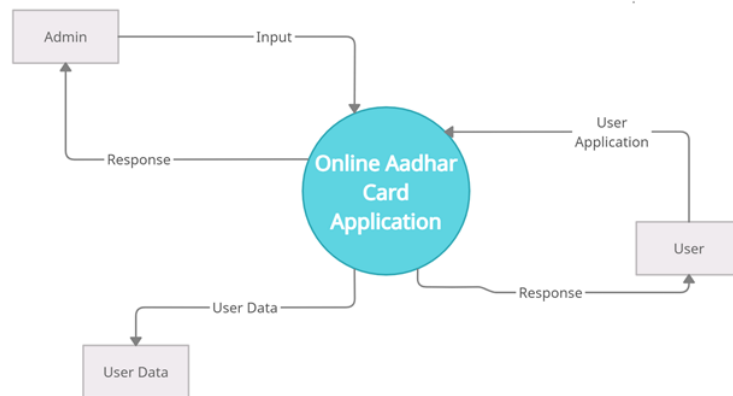
- **Activity Diagram :-**



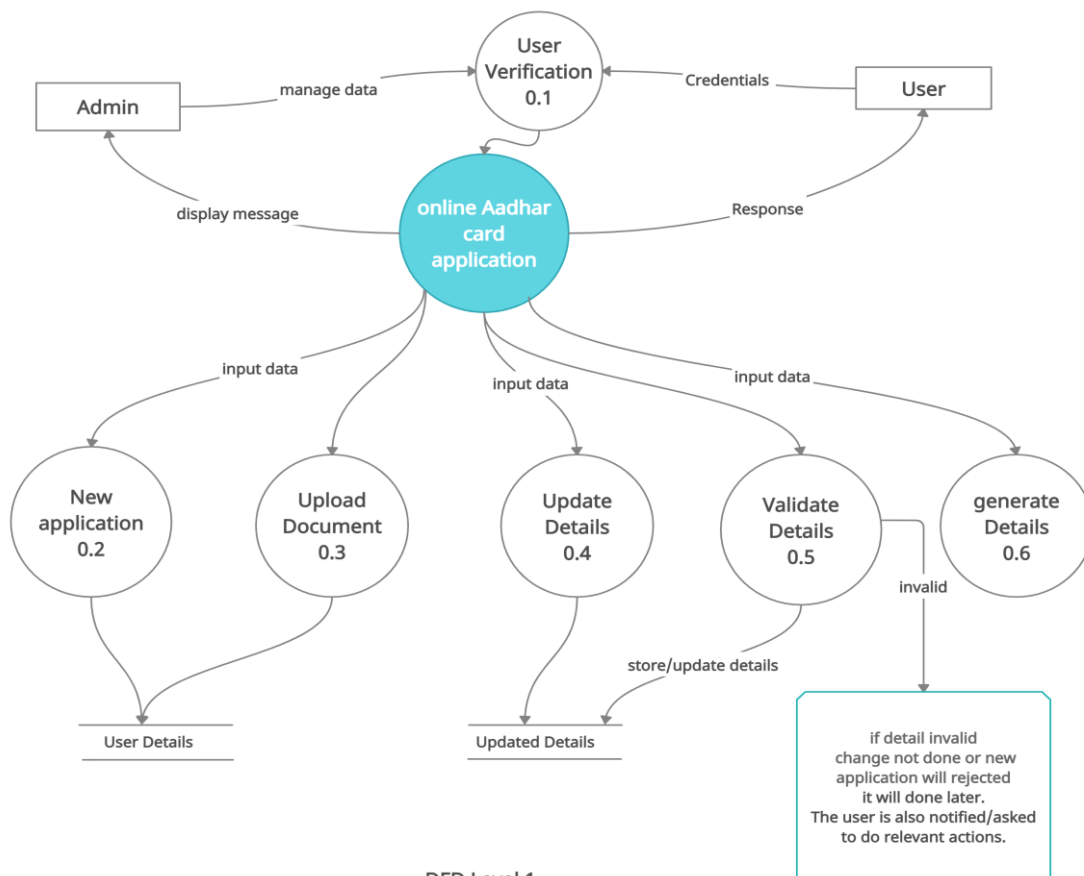
online Aadhar card application (update details)



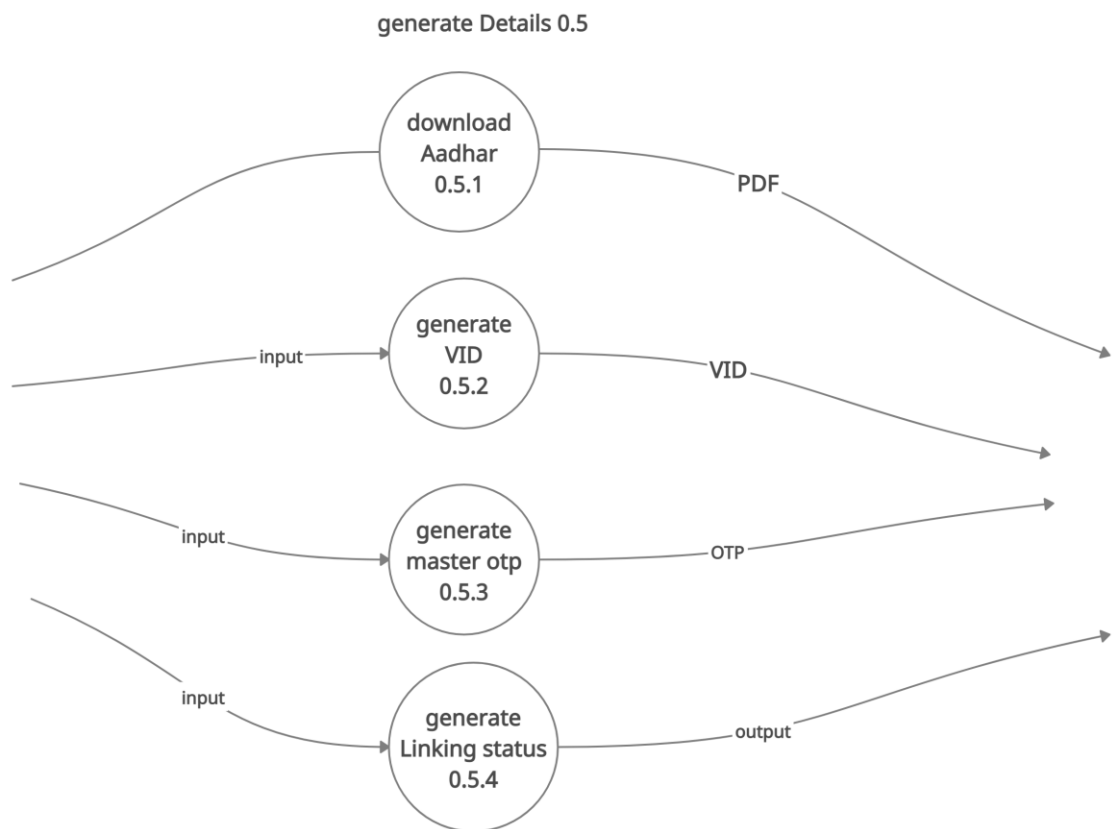
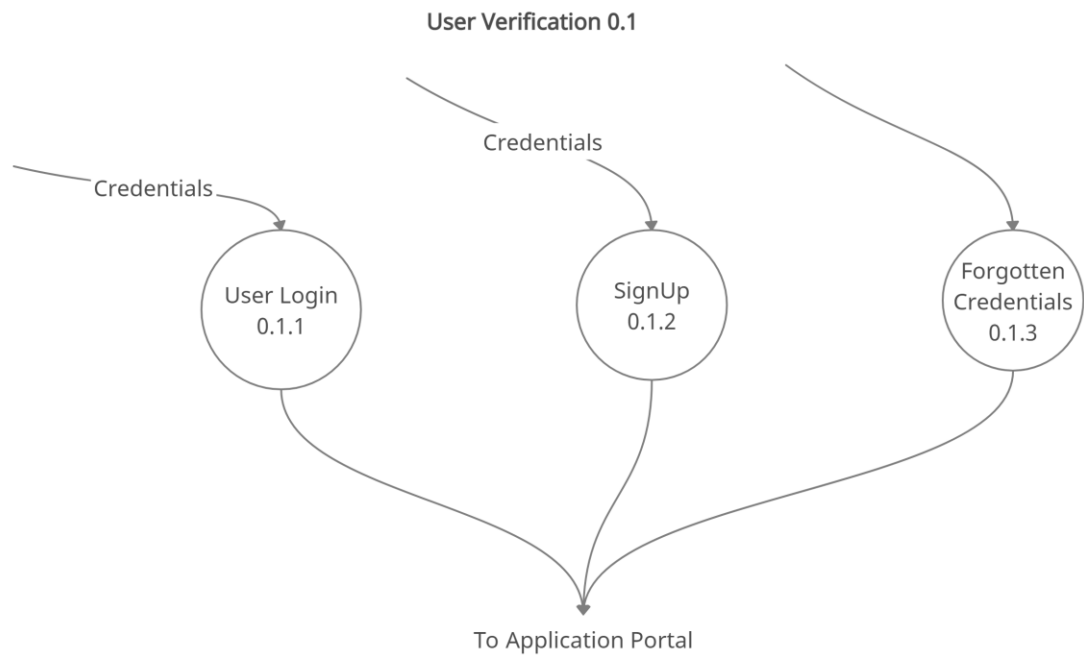
- **Data Flow Diagrams: -**



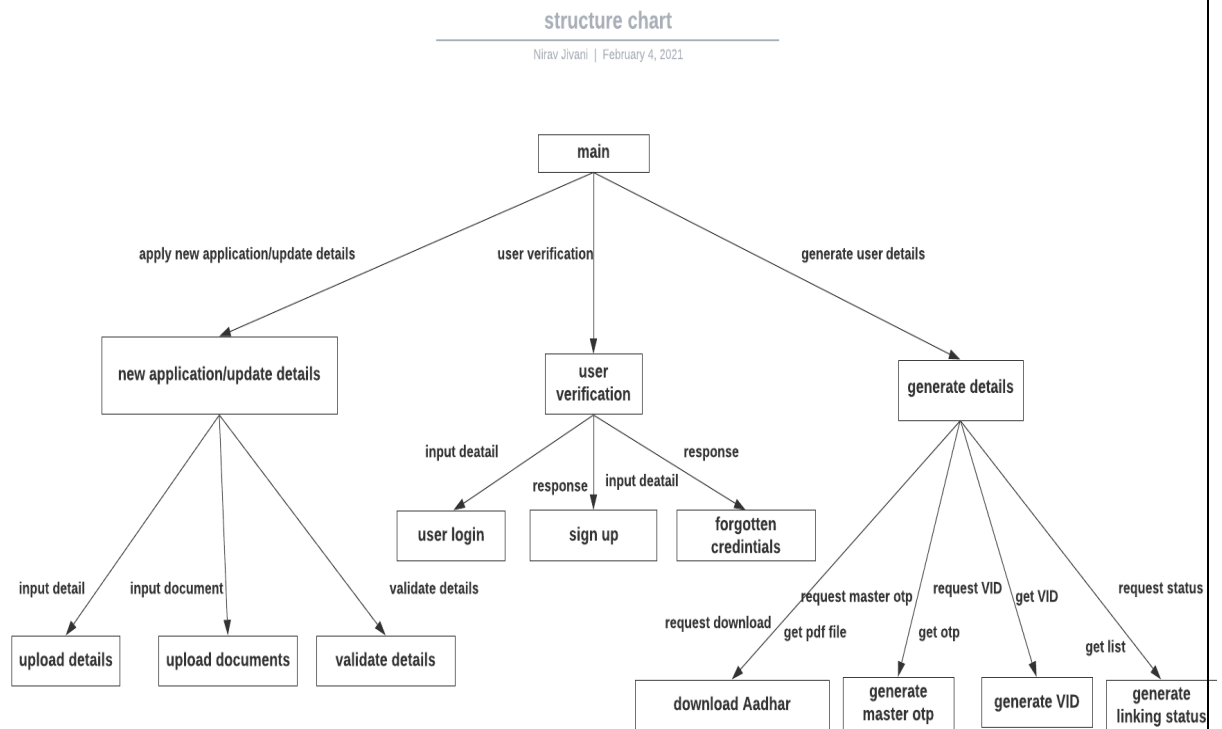
DFD Level 0



DFD Level 1



Structure Diagram :-



- **Data Dictionary :-**

Auth_User

Name of Field	Datatype	Length
id	int	11
Password	Varchar2	128
Last_login	datetime	6
Is_superuser	tinyint	1
username	Varchar2	150
Last_name	Varchar2	150
email	Varchar2	254
Is_staff	tinyint	1
Is_active	tinyint	1
Date_joined	datetime	6

User Details

Name Of Field	Data Type	Length
id	int	11
name	Varchar2	20
gender	Varchar2	10
address	Varchar2	100
Relationtype	Varchar2	20
relativename	Varchar2	20
birthaddress	Varchar2	20
birthdate	date	
number	bigint	20
email	Varchar2	254
rdate	date	
fdate	date	
Place	Varchar2	20
Addf	Varchar2	100
Addfname	Varchar2	20
Agef	Varchar2	100
agefname	Varchar2	20
phf	Varchar2	100
vid	bigint	20

5. Implementation Details

4.1 Description of Modules :-

1. Register User Module

Basic information of user is taken by system and stored in database.

2. Login User Module

Users are able to login themselves. System logs user in, then and only then user can use other functionalities of system.

3. Apply new Aadhar Module

User can fill all require form for new application and get vid number for reference.

4. update details Module

User can select option which field he/she want to update and then give new details and require document.

5. download Aadhar Module

User have to enter Aadhar number , register mobile number and one time password verification and get their Aadhar card ready.

6. Generate Aadhar number

User can enter vid number ,register mobile number and one time password verification and get their Aadhar number.

7. generate master otp

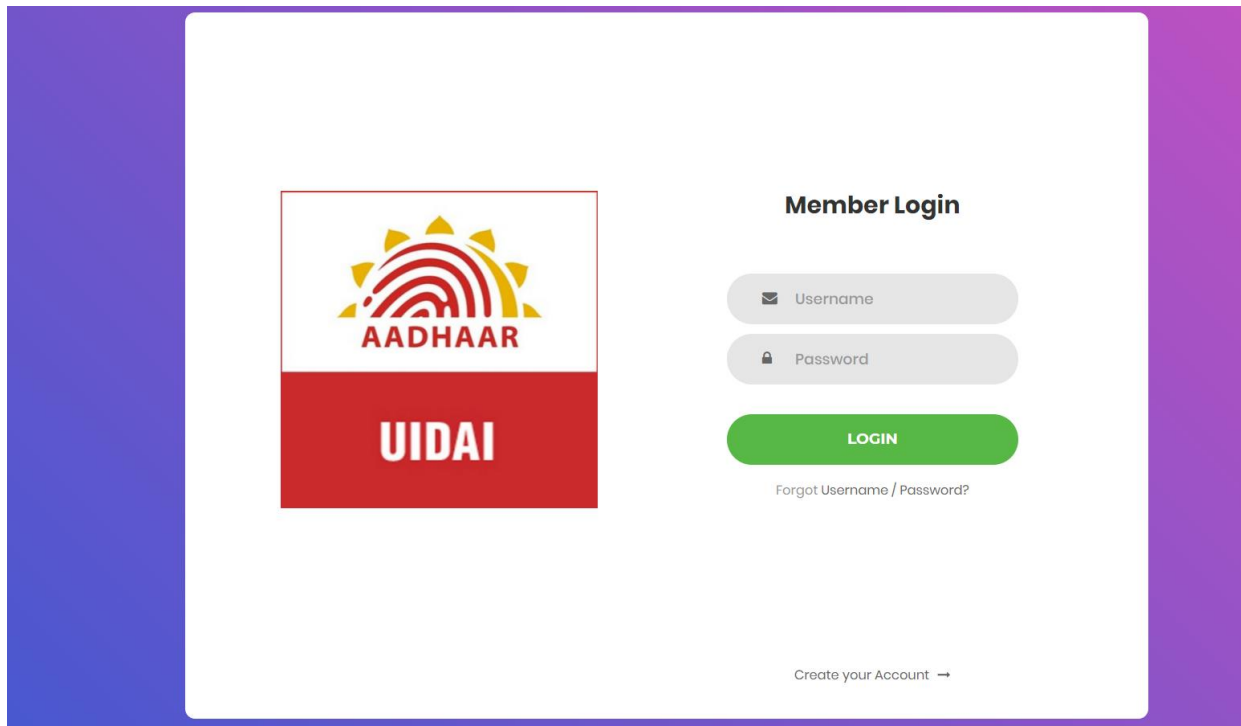
User use master otp as one time password at every require filed.

6. Testing::manual

<u>Sr.no</u>	<u>Test case</u>	<u>Expected result</u>	<u>Actual result</u>	<u>status</u>
1.	Registration with already register number/user name	Display message user name/ email already register	Pop message: 'username/number already register'	Success
2.	Registration with correct Credentials	System should waiting for OTP verification.	Asked for OTP which sent to user's mobile number	Success
3.	Login with incorrect Credentials	System should given message :- 'incorrect user name or password'	Pop up message: 'user name and password must be correct'	Success
4.	Login with correct credentials	System should Redirect to home of the web	Redirect to home page of user	Success
5.	Forgot Password	System should send otp to register mobile number and verify it	s OTP which sent to user's mobile number	Success
6.	Otp verification fail	System should display message invalid otp please enter valid otp	Display message: 'invalid otp please enter valid otp '	Success
7.	Download Aadhar/ Update Aadhar number verification fail	System should display message invalid number or number doesn't register	display message: ' invalid number or number doesn't register'	Success
8.	Number verification success	System should display According Functionality page	Redirect to page According to functionality	Success

7. workflow/ Screenshots

Login panel:



Member Login

Username

Password

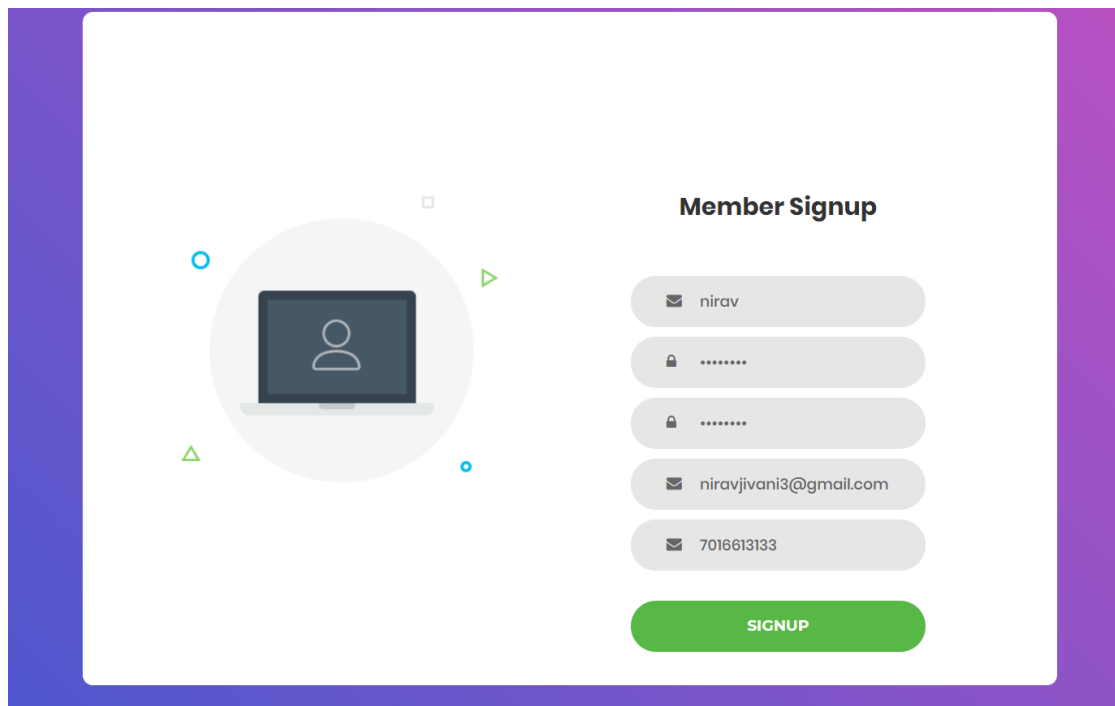
LOGIN

[Forgot Username / Password?](#)

[Create your Account →](#)

I.Create/signup:

1. panel



Member Signup

nirav

.....

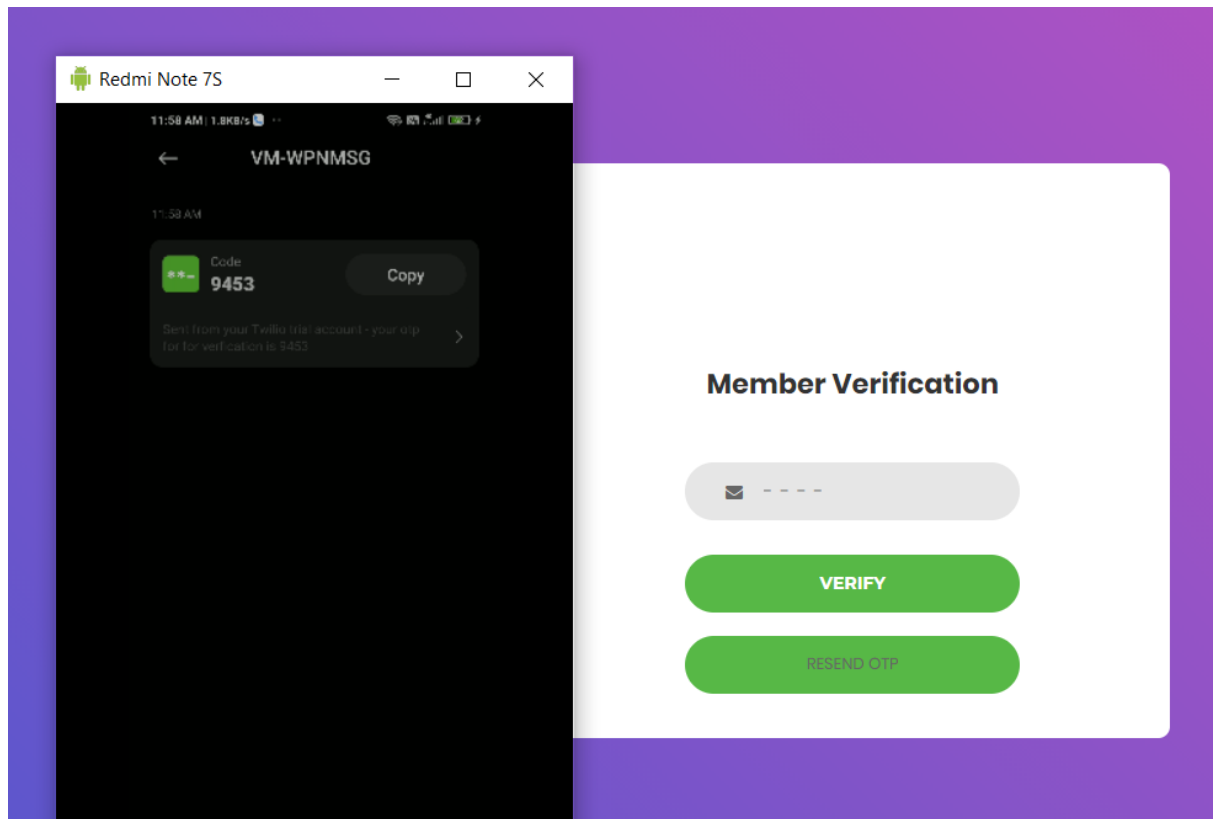
.....

niravjivani3@gmail.com

7016613133

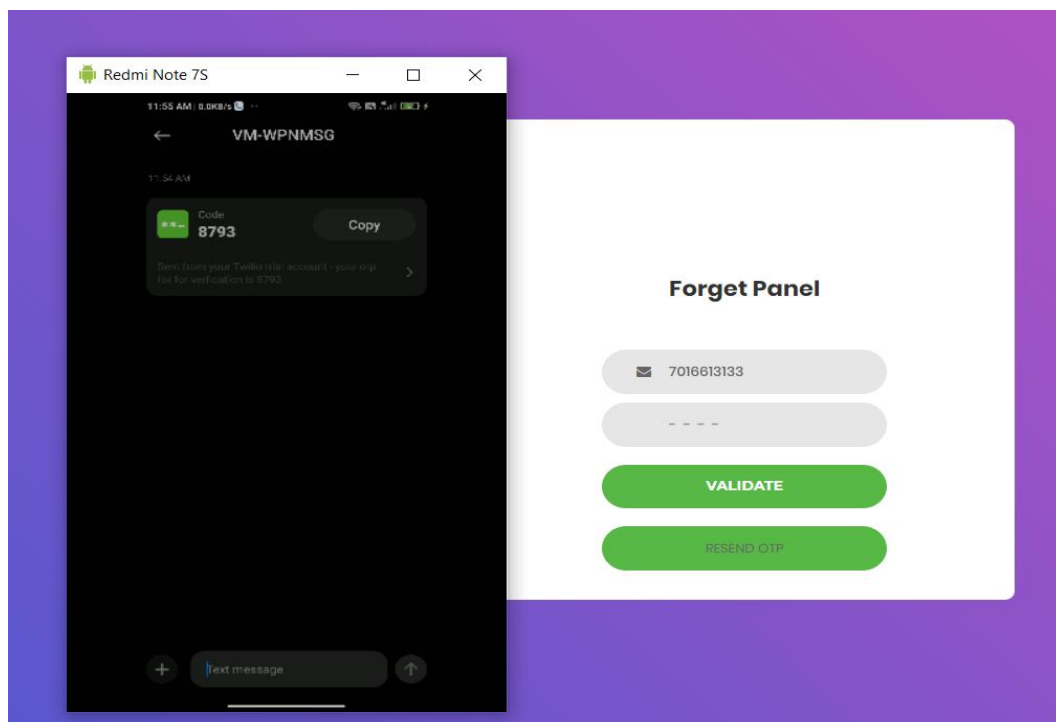
SIGNUP

2. Mobile number verification:

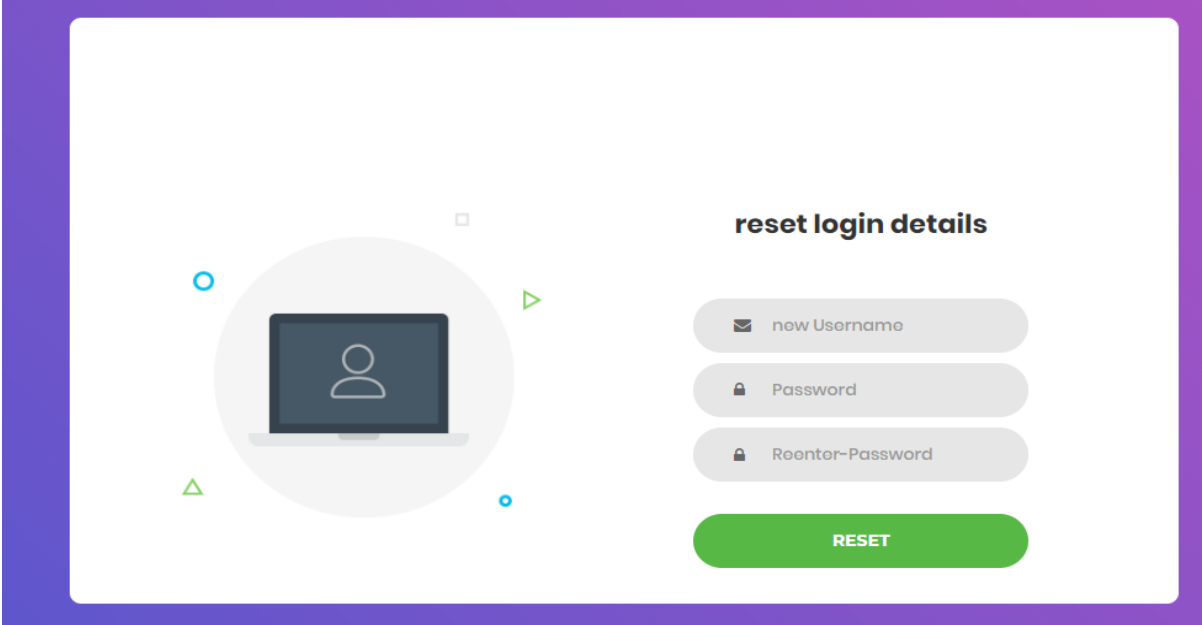


II. Forgot panel:

1. Mobile verification



2. reset panel



The panel features a central illustration of a laptop with a user icon on its screen, surrounded by four small geometric shapes (a square, a triangle, a circle, and another triangle) in light blue and green. To the right of the illustration, the text "reset login details" is displayed in bold. Below this text are three input fields: the first is labeled "new Username" with an envelope icon, the second is labeled "Password" with a lock icon, and the third is labeled "Reenter-Password" with a lock icon. At the bottom right is a green button labeled "RESET".

reset login details

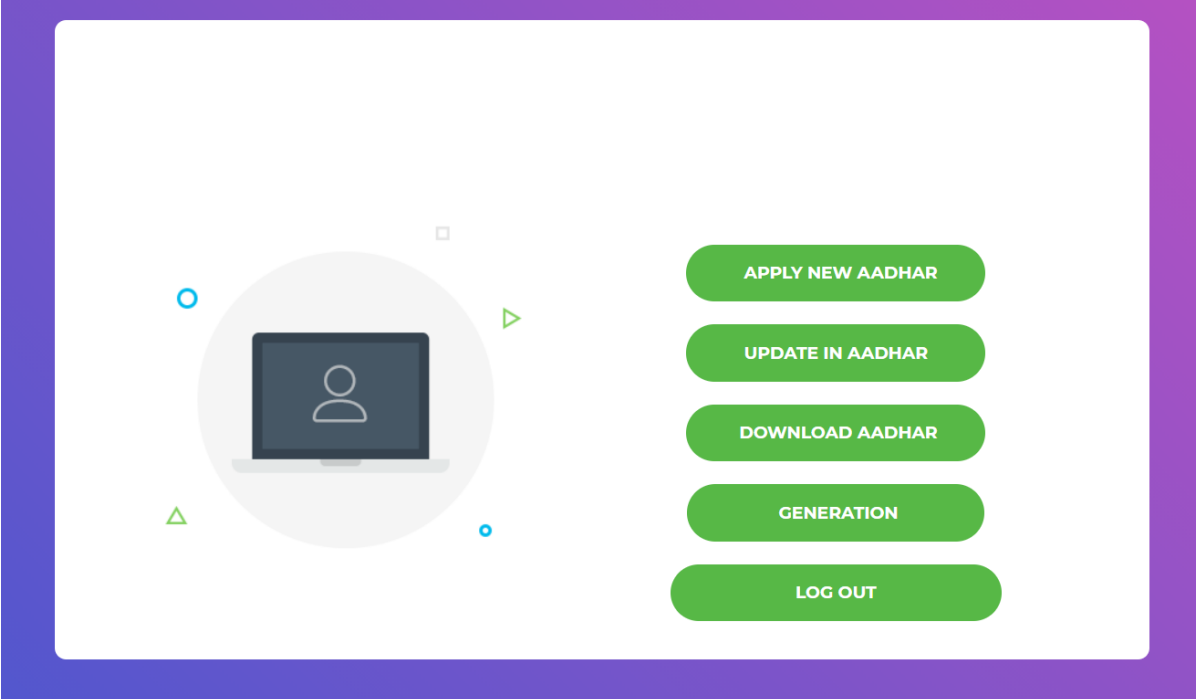
new Username

Password

Reenter-Password

RESET

Logged in:



The panel features a central illustration of a laptop with a user icon on its screen, surrounded by four small geometric shapes (a square, a triangle, a circle, and another triangle) in light blue and green. To the right of the illustration are five green buttons stacked vertically: "APPLY NEW AADHAR", "UPDATE IN AADHAR", "DOWNLOAD AADHAR", "GENERATION", and "LOG OUT".

APPLY NEW AADHAR

UPDATE IN AADHAR

DOWNLOAD AADHAR

GENERATION

LOG OUT

III. New Aadhar card:

1. address

POSTAL ADDRESS

HOUSE NO.
Enter Your house no

STREET/AREA/LOCALITY
Enter Your area/street

TOWN/VILLAGE
Enter Your town/village

POST OFFICE
Enter Your Post office

DISTRICT
Enter Your district

PINCODE
Enter pin code

STATE
Enter The State

I AM ORDINARILY RESIDENT AT THE ADDRESS GIVEN AT ABOVE SINCE
dd-mm-yyyy

Next →

2. birth

Birth Detail

TOWN/VILLAGE
Enter Your town/village

DISTRICT
Enter Your district

PINCODE
Enter pin code

STATE
Enter The State

DATE OF BIRTH
dd-mm-yyyy

Next →

3. relative details

Personal Details

NAME

Enter the name

SURNAME

Enter Your surname

GENDER OF APPLICATE

Male ▾

Relative Details

TYPE OF RELATION

Father ▾

NAME OF RELATIVE

Enter your relative name

SURNAME OF RELATIVE

Enter Your relative surname

Next →

4. additional details/declaration

Additional Details

MOBILE NUMBER

Enter the mobile number

EMAIL ID

Enter Your email id

Declaration

(✓) I HAVE NOT APPLIED FOR THE INCLUSION OF MY NAME IN THE ELECTORAL ROLL FOR ANY OTHER CONSTITUENCY.

(✓) MY NAME HAS NOT ALREADY BEEN INCLUDED IN THE ELECTORAL ROLL FOR THIS OR ANY OTHER ASSEMBLY/ PARLIAMENTARY CONSTITUENCY

PLACE

Enter place

DATE

dd-mm-yyyy



Next →

5. document upload

Upload Document

ADDRESS PROOF

any bill type ▾

Choose File

No file chosen

AGE PROOF

PAN Card ▾

Choose File

No file chosen


PHOTOGRAPH

Choose File

No file chosen

SUBMIT →

6. final submission

FORM 6A	
FORM FOR INCLUSION IN AADHAR CARD AND CONFIRM INDIAN CITIZENSHIP	
To , The Aadhar card registration officer , gujrat Assambely	
I request that my name be included in the Aadhar card system for the above Constituency (*first time applier) Particulars in support of my claim inclusion in the Aadhar card enrolls are given below-	
photo	
Name	nirav jivani
Gender	Male
address	24- near new water tank,mangal para , gadhada road , botad botad botad gujrat 384710
Relation Type	Father
Relative Name	Dhanjibhai jivani
Birth Place	Bhambhan botad gujrat 384710
Birth Date	2002-01-10
Mobile Number	7018813133
Email	niravjivani3@gmail.com
DECLARATION:	
I hereby declare that to the best of knowledge and belief- (i)I am citizen of india and place of my birth is Village/Town Bhambhan botad gujrat 384710 (ii)I am ordinarily resident at the address given at (h) above since 2021-03-24 (iii)I have not applied for the inclusion of my name for aadhar card roll for any other Constituency	
Applicant Place:botad Applicant Date:2021-03-30	
<div>VERIFIED</div>	

7. vid number

① 127.0.0.1:8000/submitform?csrformid=token=iGFUyFb4t2m3WCOZT2j9WnqximP0ltCVuyCY9EVFNzez0SlpWqolZinwonFGC4xc

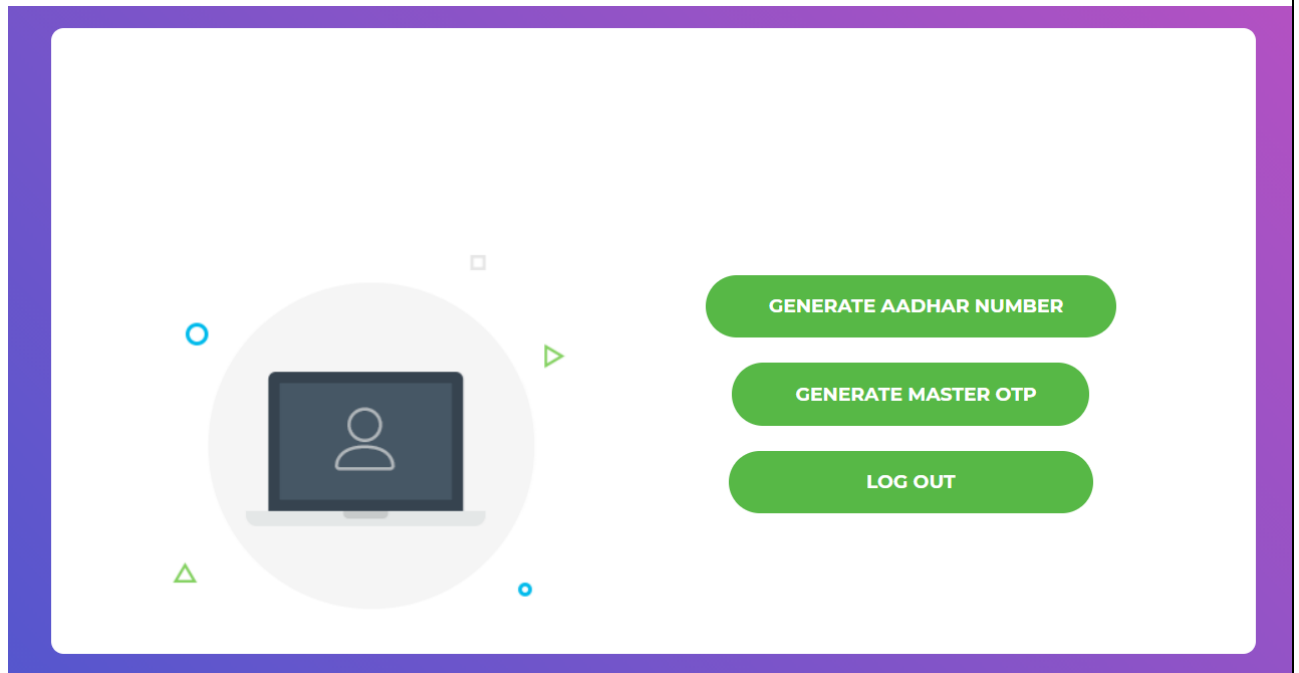
127.0.0.1:8000 says

your registration sucessfully.... your vid/aadhar card number is
586205564541617082722 pelase first get your Aadhar number from
generation section using vid

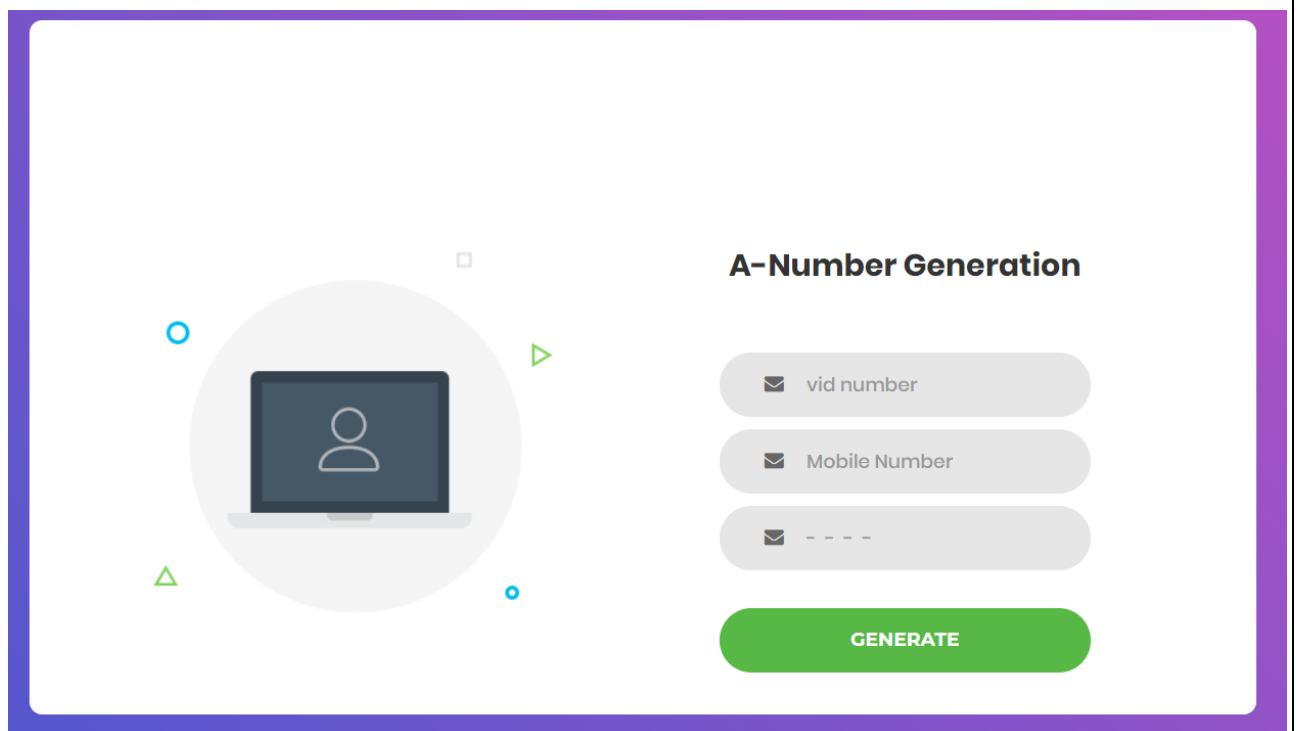
OK

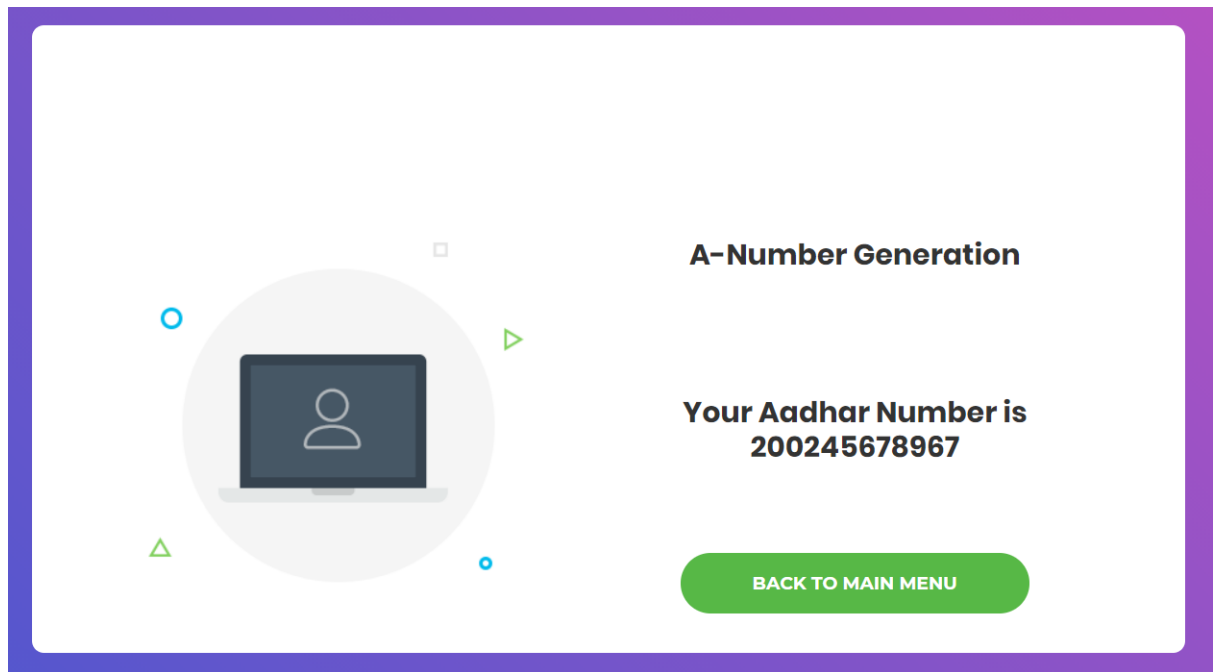
IV. generation

1. Portal

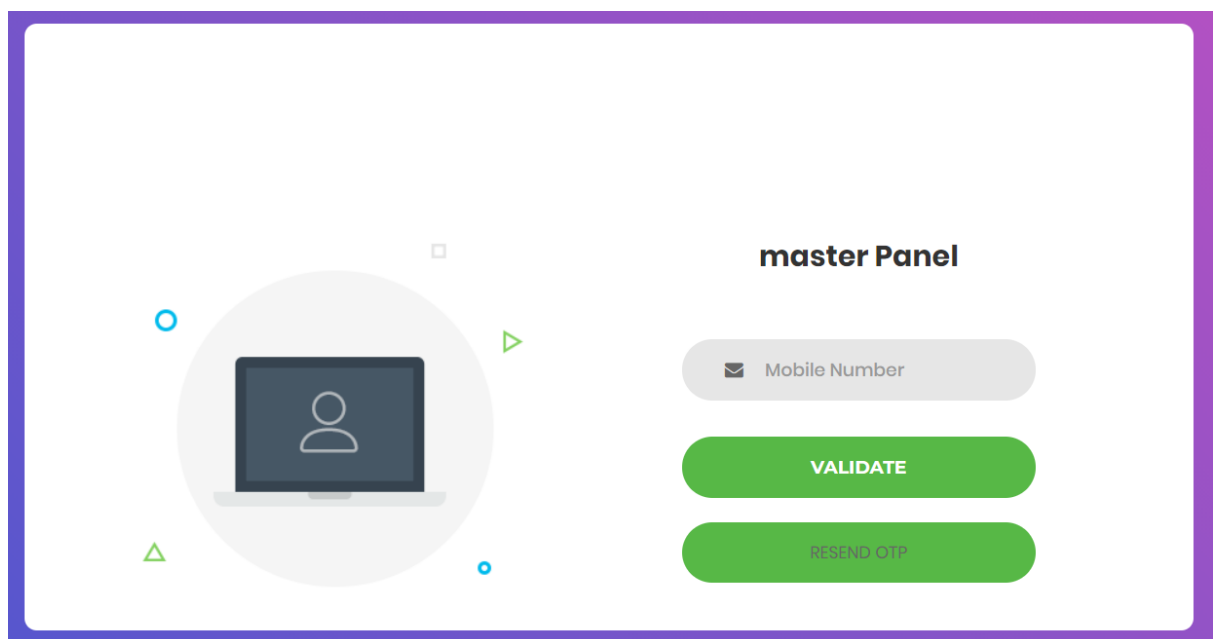


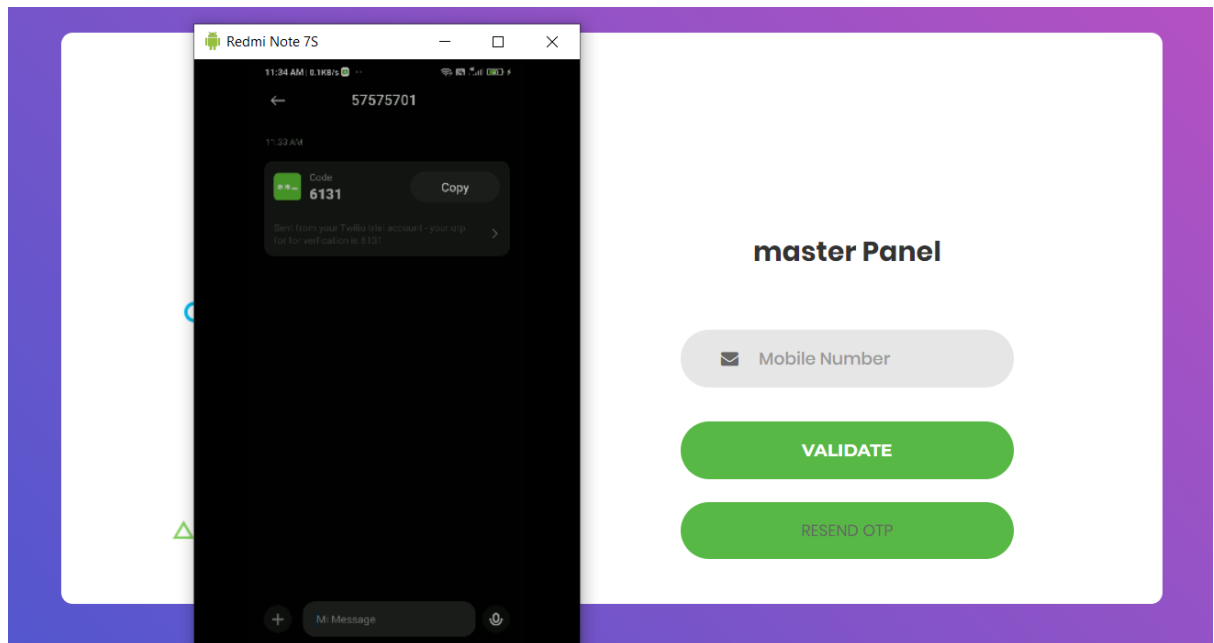
2. Generate number





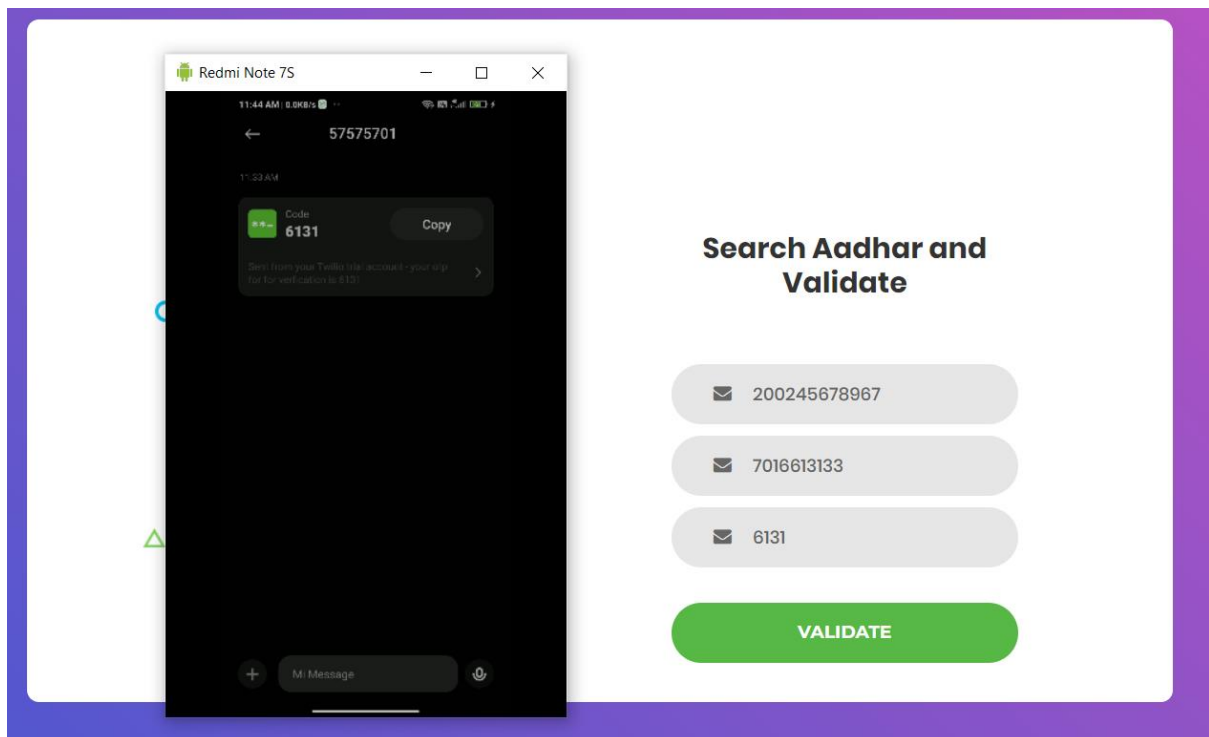
3.master otp generation



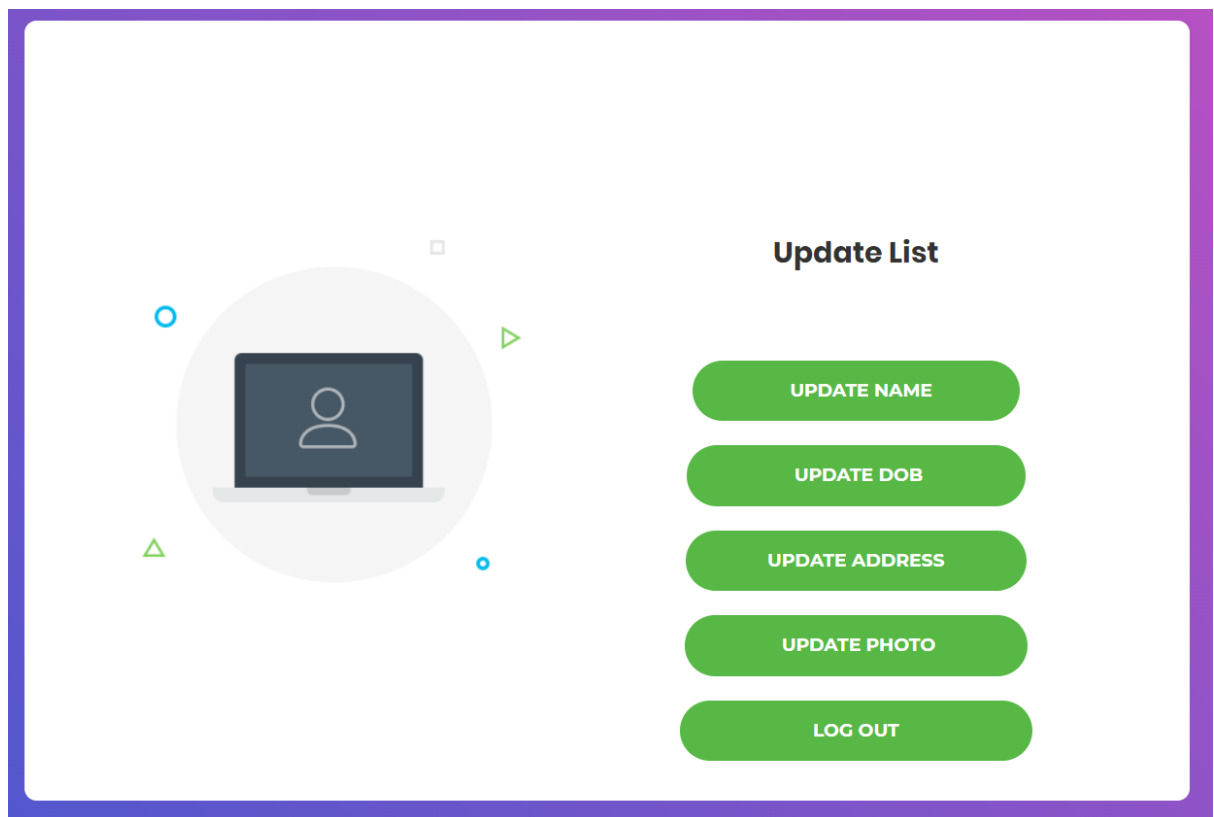


V. update Aadhar

1. verification



2. update panel



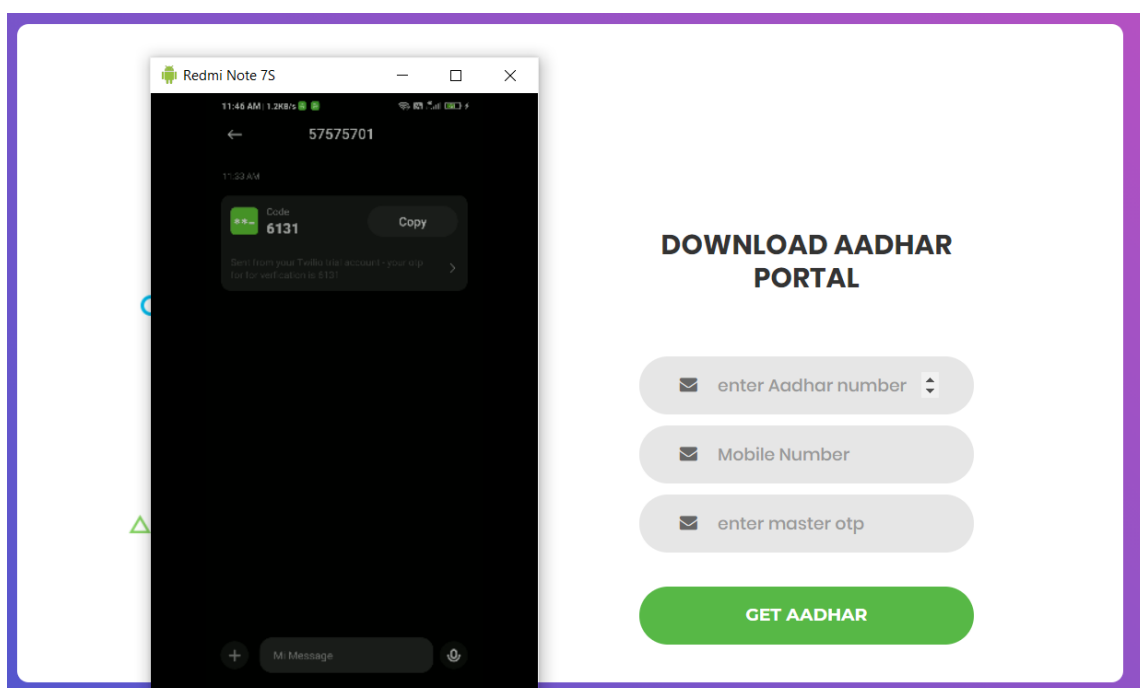
The update panel features a central graphic of a laptop with a user icon on its screen, surrounded by four small geometric shapes (a square, a triangle, a circle, and another triangle) in blue and green. To the right of this graphic is the title "Update List" and a vertical stack of five green buttons with white text: "UPDATE NAME", "UPDATE DOB", "UPDATE ADDRESS", "UPDATE PHOTO", and "LOG OUT".

Update List

- UPDATE NAME
- UPDATE DOB
- UPDATE ADDRESS
- UPDATE PHOTO
- LOG OUT

VI. download/view Aadhar

1. verification



The verification interface is shown within a mobile app window titled "Redmi Note 7S". The app screen displays a back arrow, the Aadhar number "57575701", the time "11:33 AM", a code "6131" with a "Copy" button, and a message: "Send from your Tallya chat account - your otp for verification is 6131". Below the app window is the "DOWNLOAD AADHAR PORTAL" section, which includes three input fields with envelope icons: "enter Aadhar number", "Mobile Number", and "enter master otp". A green "GET AADHAR" button is at the bottom.


DOWNLOAD AADHAR PORTAL

- enter Aadhar number
- Mobile Number
- enter master otp
- GET AADHAR

2. view Aadhar front:

Congratulation Your Aadhar is ready

Aadhar Card



Name: nirav jivani
Gender: Male
BirthDate: Jan. 10, 2002
Mobile Number: 7016613133

Number:200245678967

VERIFIED

Move arrow to card and flip

Congratulation Your Aadhar is ready


Address

24- near new water tank,mangal para , gadhada road , botad botad botad
gujrat 364710

Resident of India

VERIFIED

Logout:



Member Login

LOGIN

[Forgot Username / Password?](#)

[Create your Account →](#)

8. Conclusion

By implementing online Aadhar card application web, we can archive a goal of digital India and new Aadhar get very rapidly instead of offline application. It also help user to update their details at home or any place and any time. This web also helpful in this covid-19 situation to avoid crowd at gov corporation. User can also download digital copy of their Aadhar card. It can use print Aadhar card if user have to submit Aadhar card copy and he/she forgot their physical Aadhar at home. This all point of view, this web app is very useful.

9. Limitation and future extension

Limitation:

This is very basic application. Less security for gov database and some background process done by gov employee is ignored. like user document verification, physical Aadhar card does not sent to user address.

Future Extension:

User interface will be improved to provide better interaction with system. Background processes and Thread execution will be efficient and process load will be reduced. We also add some more functionality like Aadhar linking status with bank , Aadhar and voter id linking and more..

10. Bibliography

Websites :

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<https://www.w3schools.com/>

<https://stackoverflow.com/>

Search Engine: www.google.com