

OTP Generator App

Application Designed by: Ashish Gupta

Contact No: 9582556333

Design Document:

Technology Used:

Db: Mongo Db with Mongoose ORM

Backend Technologies: Node Js, Express Js

Frontend Technologies: Angular 6

URL: <http://localhost:4200>

Libraries Used:

1. Twilio (SMS to mobile number)
2. Angular Materials
3. Lodash
4. Ngx-loading

Application Description

An App that can send an OTP (via SMS) to a list of contacts, one at a time. User can see the list of all the contacts on Contacts dashboard and on click of send OTP user is navigated to the page where OTP is generated and user can click to regenerate the OTP and can then send the OTP to the contact mobile number and notification text is added for status.

To view the list of all the OTP's send user can navigate to Messages Dashboard where all the OTP sent can be seen sorted on the basis of timestamp. Message sorting is executed at the Db level.

Points to Note

1. Start MongoDB server to start the Db.
2. Backend server is running on <http://localhost:3000>
3. Initialize the Db with initial values of contacts using url: <http://localhost:3000/contacts/initiate>
4. User cannot navigate directly to <http://localhost:4200/sendMessage> due to presence of routing guard, to navigate user has to select contact from contacts Dashboard.
5. Due to absence of free number facility to send messages to mobile numbers, Actual messages are not send to number but test credentials were used to validate.

Application Screenshot:

Home Page:

OTP GENERATOR				
Contacts Dashboard		Messages Dashboard		
First Name	Last Name	Mobile	Last OTP Send	Action
Ashish	Gupta	+919582556333	8125	<button>Send OTP</button>
Kapil	Balwani	+919582666333	5469	<button>Send OTP</button>
Romanshu	Jain	+919582446333	8237	<button>Send OTP</button>

OTP Page:

← → ↻ 🏠 localhost:4200/sendMessage ☆ 🔴 📧 📄 📱 📡 📶

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OTP GENERATOR

Contacts Dashboard Messages Dashboard

First Name: Ashish

Last Name: Gupta

Mobile: +919582556333

OTP (One Time Pasword): 6146

Message: Hi. Your OTP is: 6146

Regenerate OTP Send OTP

OTP Page after OTP is sent

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OTP GENERATOR

Contacts Dashboard Messages Dashboard

First Name: Ashish

Last Name: Gupta

Mobile: +919582556333

OTP (One Time Pasword): 1914

Message: Hi. Your OTP is: 1914

Regenerate OTP Resend OTP

OTP has been send to the Mobile

Dashboard to see list of messages:

OTP GENERATOR

Contacts Dashboard

Messages Dashboard

Sent Time	First Name	Last Name	Mobile	OTP Send
Jan 13, 2019, 4:27:49 PM	Ashish	Gupta	+919582556333	1914