

# Kisan Network - OTP Solution

Attached is the solution with this document in a .7z format. The above solution uses the MEAN stack, and all the use cases provided in the problem statement has been addressed with that.

## Stack Description:

- Storage - **Modulus.io** Cloud [<https://modulus.io/>]
  - All the messages being sent are stored here.
- Server side - **Node.js** with **Express** Framework
  - Event Driven & Lightweight approach with powerful Express framework for creating the services (REST APIs)
- Frontend Framework - **AngularJS** along with **Bootstrap** styling
  - Client Side visualization & styling which consumes the exposed APIs using node
- Nexmo - Cloud communication platform for sending SMS using their exposed APIs [<https://www.nexmo.com/>]

## Folder Structure:

- Lib
  - Messages.js -> Mongoose Model for holding message content
- Node\_modules
  - ... different node\_modules used
- Public
  - .. client code
  - css
    - Styling files
  - Img
    - Image files used
  - Js
    - Script Files
  - Partials
    - Templates used in routing
  - Core.js
    - Main Front End file containing the angular Module
  - Index.html
    - Primary HTML - Top Container, linked to backend

Libraries Used / Dependencies with version support:

- "angular": "^1.5.8",
- "body-parser": "^1.15.2",
- "bootstrap": "^3.3.7",
- "dotenv": "^2.0.0",
- "express": "^4.14.0",
- "https": "^1.0.0",
- "mongoose": "^4.6.0",
- "morgan": "^1.7.0",
- "nexmo": "^1.0.0-beta-7",
- "url": "^0.11.0"

How to run:

- Have npm on the system [<https://nodejs.org>]
- Move to root directory of the app
- Install required dependencies \$ npm install
- Start the server \$ npm start
- This will start the server at port 3000
- Open Browser & type localhost:3000

Please allow me for the clarifications, if the need be.

Thanks

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