

## NODEJS ASSIGNMENT – MESSAGING APP

**Assignment:** Create a **NodeJS application** to provide REST APIs for a messaging application.

**Application Features:**

The application would allow logged in users to send messages to each other:

1. POST /login
  - Should authenticate and log in user
2. POST /register
  - Allows user to register herself on the platform with basic information
    - Username, password, firstname, lastname
3. POST /sendmessage
  - Allows user to send message to another user
    - Message subject, Message Content, ToUser
  - NOTE: Authentication should be handled here.
4. GET /inbox
  - Returns all messages sent to the logged in user
  - **NOTE:** It should only return messages for logged in user
5. PUT /block/{username}
  - Allows logged in user to block another user from sending messages to them
  - **NOTE:** For blocked user, API mentioned in 3, should throw an error.

At a database level, please feel free to design it as required for these.

**Some additional points/Tips:**

- You should use Node + Express + MongoDB usage for your server-side developments.
- You are free to use any node package that makes the implementation better.
- Session management would be needed to ensure authorization check is properly handled. Feel free to use any library for this.
- You must try to deploy the completed application on some server/hosting (like Heroku / AWS /etc.)
- **Completed API end points should be provided as POSTMAN documentation**

**Evaluation Criteria:**

- Setup of the application & code repository
- Robustness of the script
- Authorization Handling
- Code quality, readability & comments
- Usage of GitHub, commit messages, description.
- Project README file description & POSTMAN documentation for APIs (*it should contain documentation of all APIs and their usage*)
- Exception handling and error messages (*in case of incorrect data sent by client*)
- Deployment of app on AWS/ Heroku or any other server

In case of any concerns, kindly write to [hiring@cashpositive.in](mailto:hiring@cashpositive.in)