

# Marax AI assignment

## 1. Design

- a. Telegram Bot framework for the chatbot front-end .
- b. Node.js application to provide backend functionalities for the bot .
- c. Telegram Bot API - [node-telegram-bot-api](#) for communicating with user .
- d. Integrated with [Firebase](#) for a real time database .
- e. Deployed on [Heroku](#) .

## 2. Development plan

- a. Create an account in [Telegram](#) .
- b. Create a bot with username [@GetServerNotificationBot](#) .
- c. Build functionalities for the following commands ----

/serverstatus	For getting server health stats
/url [url]	For continuous monitoring of the url response
/stop	To stop monitoring
/status [url]	For one time monitoring of the url response
/process	Check running processes on request
/cmd	To run commands directly to the server

3. **Other features** : Sends telegram notification to user describing server stats,notify user if server is down for more than 5 seconds.

## 4. Hardware and Software requirements

## Software -

- a. Operating System - Windows 7, VMware Workstation Player.
- b. Text/Code Editor - Sublime Text .
- c. Front-end - [Telegram](#) : bot used for front-end .
- d. Back-end - Node.js : an event based, asynchronous I/O framework that uses Google's [V8 JavaScript Engine](#) .
- e. [Firebase](#) : for real time database .

## Hardware -

- a. Processor - 1.0 GHz .
- b. RAM - 1 GB .
- c. Hard Disk 20 GB free space .

5. **Code repository** : [GetServerNotification](#)

6. **Working Deployment** : [pure-dusk-89490.herokuapp.com](#)