**mandatory-backend1-chat project writeup**

**reference:** <https://www.youtube.com/watch?v=pNKNYLv2BpQ&list=PLicY6aYZ8ilpmHfJ8jP1lt7ihPpRWBJ9P&index=1>

<https://www.youtube.com/watch?v=e-vw-r5BucM>

**Rooms:** <http://psitsmike.com/2011/10/node-js-and-socket-io-multiroom-chat-tutorial/>

Create repository ‘mandatory-backend1-chat’ on github

Clone the copy on computer drive and perform following steps:

PS E:\frontwebutvecklare\projects\chatapp\mandatory-backend1-chat> echo "# mandatory-backend1-chat" >> README.md

PS E:\frontwebutvecklare\projects\chatapp\mandatory-backend1-chat> git init

Reinitialized existing Git repository in E:/frontwebutvecklare/projects/chatapp/mandatory-backend1-chat/.git/

PS E:\frontwebutvecklare\projects\chatapp\mandatory-backend1-chat> git add README.md

PS E:\frontwebutvecklare\projects\chatapp\mandatory-backend1-chat> git commit -m "Initial commit"

[master (root-commit) 3cfaa0c] Initial commit

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 README.md

PS E:\frontwebutvecklare\projects\chatapp\mandatory-backend1-chat> git remote add origin git@github.com:truptigaonkar/mandatory-backend1-chat.git

fatal: remote origin already exists.

PS E:\frontwebutvecklare\projects\chatapp\mandatory-backend1-chat> git push -u origin master

Enumerating objects: 3, done.

Counting objects: 100% (3/3), done.

Delta compression using up to 4 threads

Compressing objects: 100% (2/2), done.

Writing objects: 100% (3/3), 263 bytes | 87.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0)

To github.com:truptigaonkar/mandatory-backend1-chat.git

\* [new branch] master -> master

Branch 'master' set up to track remote branch 'master' from 'origin'.

PS E:\frontwebutvecklare\projects\chatapp\mandatory-backend1-chat>

Create package.json and install express, nodemon, socket.io

PS E:\frontwebutvecklare\projects\chatapp\mandatory-backend1-chat> npm init

This utility will walk you through creating a package.json file.

It only covers the most common items, and tries to guess sensible defaults.

See `npm help json` for definitive documentation on these fields

and exactly what they do.

Use `npm install <pkg>` afterwards to install a package and

save it as a dependency in the package.json file.

Press ^C at any time to quit.

package name: (mandatory-backend1-chat)

version: (1.0.0)

description: Real time chat application using node.js, express.js & socket.io

entry point: (index.js)

test command:

git repository: (https://github.com/truptigaonkar/mandatory-backend1-chat.git)

keywords:

author: Trupti Gaonkar

license: (ISC)

About to write to E:\frontwebutvecklare\projects\chatapp\mandatory-backend1-chat\package.json:

{

"name": "mandatory-backend1-chat",

"version": "1.0.0",

"description": "Real time chat application using node.js, express.js & socket.io",

"main": "index.js",

"scripts": {

"test": "echo \"Error: no test specified\" && exit 1"

},

"repository": {

"type": "git",

"url": "git+https://github.com/truptigaonkar/mandatory-backend1-chat.git"

},

"author": "Trupti Gaonkar",

"license": "ISC",

"bugs": {

"url": "https://github.com/truptigaonkar/mandatory-backend1-chat/issues"

},

"homepage": "https://github.com/truptigaonkar/mandatory-backend1-chat#readme"

}

Is this OK? (yes)

PS E:\frontwebutvecklare\projects\chatapp\mandatory-backend1-chat> npm i --save express

npm notice created a lockfile as package-lock.json. You should commit this file.

+ express@4.17.0

added 50 packages from 37 contributors and audited 126 packages in 6.102s

found 0 vulnerabilities

PS E:\frontwebutvecklare\projects\chatapp\mandatory-backend1-chat> npm i -g --save nodemon

C:\Users\TRUPTI\AppData\Roaming\npm\nodemon -> C:\Users\TRUPTI\AppData\Roaming\npm\node\_modules\nodemon\bin\nodemon.js

> nodemon@1.19.0 postinstall C:\Users\TRUPTI\AppData\Roaming\npm\node\_modules\nodemon

> node bin/postinstall || exit 0

npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.9 (node\_modules\nodemon\node\_modules\fsevents):

npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.9: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ nodemon@1.19.0

updated 1 package in 12.835s

PS E:\frontwebutvecklare\projects\chatapp\mandatory-backend1-chat> npm i --save socket.io

+ socket.io@2.2.0

added 37 packages from 28 contributors and audited 203 packages in 13.814s

found 0 vulnerabilities

PS E:\frontwebutvecklare\projects\chatapp\mandatory-backend1-chat>

Create server.js

const express = require('express');

const app = express();

const port = 8000;

app.get('/', (req, res) => {

res.send("Hello from home page");

});

app.listen(port, () => console.log(`Example app listening on port ${port}!`))

PS E:\frontwebutvecklare\projects\chatapp\mandatory-backend1-chat> nodemon server.js

[nodemon] 1.19.0

[nodemon] to restart at any time, enter `rs`

[nodemon] watching: \*.\*

[nodemon] starting `node app.js`

Example app listening on port 8000!

**Heroku Deployment -** <https://id.heroku.com/login> ([trups11.trupti@gmail.com/HariOmBapu@1](mailto:trups11.trupti@gmail.com/HariOmBapu@1))

1. Download installer <https://devcenter.heroku.com/articles/getting-started-with-nodejs#set-up>

Right click and install installer with as Run as admistrator

1. Open command prompt

E:\frontwebutvecklare\projects\mandatory-backend1-chat>heroku login

heroku: Press any key to open up the browser to login or q to exit:

Opening browser to https://cli-auth.heroku.com/auth/browser/f4f88299-536a-4c7b-be9a-41bcec7e6ef8

Logging in... done

Logged in as trups11.trupti@gmail.com

E:\frontwebutvecklare\projects\mandatory-backend1-chat>git init

Reinitialized existing Git repository in E:/frontwebutvecklare/projects/mandatory-backend1-chat/.git/

E:\frontwebutvecklare\projects\mandatory-backend1-chat>git add .

E:\frontwebutvecklare\projects\mandatory-backend1-chat>git commit -m "added"

[master 6d6079d] added

2 files changed, 0 insertions(+), 0 deletions(-)

rewrite Project writeup.docx (78%)

create mode 100644 ~$oject writeup.docx

E:\frontwebutvecklare\projects\mandatory-backend1-chat>heroku create

Creating app... done, ⬢ immense-inlet-98375

https://immense-inlet-98375.herokuapp.com/ | https://git.heroku.com/immense-inlet-98375.git

E:\frontwebutvecklare\projects\mandatory-backend1-chat>git push heroku master

Enumerating objects: 1137, done.

Counting objects: 100% (1137/1137), done.

Delta compression using up to 4 threads

Compressing objects: 100% (781/781), done.

Writing objects: 100% (1137/1137), 1.75 MiB | 1.29 MiB/s, done.

Total 1137 (delta 313), reused 1129 (delta 311)

remote: Compressing source files... done.

remote: Building source:

remote:

remote: -----> Node.js app detected

remote:

remote: -----> Creating runtime environment

remote:

remote: NPM\_CONFIG\_LOGLEVEL=error

remote: NODE\_ENV=production

remote: NODE\_MODULES\_CACHE=true

remote: NODE\_VERBOSE=false

remote:

remote: -----> Installing binaries

remote: engines.node (package.json): unspecified

remote: engines.npm (package.json): unspecified (use default)

remote:

remote: Resolving node version 10.x...

remote: Downloading and installing node 10.16.0...

remote: Using default npm version: 6.9.0

remote:

remote: -----> Installing dependencies

remote: Installing node modules (package.json + package-lock)

remote: added 88 packages from 60 contributors and audited 204 packages in 2.778s

remote: found 0 vulnerabilities

remote:

remote:

remote: -----> Build

remote:

remote: -----> Caching build

remote: - node\_modules

remote:

remote: -----> Pruning devDependencies

remote: audited 204 packages in 1.038s

remote: found 0 vulnerabilities

remote:

remote:

remote: -----> Build succeeded!

remote: -----> Discovering process types

remote: Procfile declares types -> (none)

remote: Default types for buildpack -> web

remote:

remote: -----> Compressing...

remote: Done: 22.2M

remote: -----> Launching...

remote: Released v3

remote: https://immense-inlet-98375.herokuapp.com/ deployed to Heroku

remote:

remote: Verifying deploy... done.

To https://git.heroku.com/immense-inlet-98375.git

\* [new branch] master -> master

E:\frontwebutvecklare\projects\mandatory-backend1-chat>heroku open

Heroku open command will open <https://immense-inlet-98375.herokuapp.com/>