Traceablility is why you are writing code that does something throughout an app

- writing a test that has a button that pops when you push it, actually writing that button that pops, using that scheme throughout the app

Logs- show them pm2 on the server that im hosting iamnitinmisra.com

-----------------------------------DEMO----------------------------------

1. go to your devmountain folder that you are saving projects to, wherever that may be for you

2. give them the link to the repo https://github.com/iamnitinmisra/student-list

3. fork/clone the repo

4. go to rollbar.com and sign up with github

select node if theres an option for it

5. inside of server.js, at the top

// require rollbar below

const Rollbar = require('rollbar')

6. inside the rollbar website go to start a new project from the menu

7. copy the token that was created into the key from the object in step 6

// require rollbar below

const Rollbar = require('rollbar')

// create the Rollbar class below

let rollbar = new Rollbar({

accessToken: '',

captureUncaught: true,

captureUnhandledRejections: true

})

const app = express()

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

res.sendFile(path.join(\_\_dirname, '/public/index.html'))

//send rollbar some info

rollbar.info('html file served successfully')

})

const port = process.env.PORT || 4545

app.listen(port, () => console.log(`server running on port ${port}`)

8. in heroku, create a new app

9. deploy the app

10. push the code up to github

11. enable automatic deploys in heroku and deploy the branch

12. go back to the rollbar website and click items in the menu on the left

13. check all the checkboxes under levels

14. click the link to go into the dashboard for the app that was just deployed

15. navigate through rollbar website and show the different options for monitoring on the app

- show that you can reassign different aspects to different users that may be on your team

16. back in the server.js file,

- we can send rollbar anything that we want, including a strings and objects

app.post('/api/student', (req, res)=>{

const { name } = req.body;

name = name.trim();

studentList.push(name);

// add rollbar log here

rollbar.log('student added successfully', {author: 'nitin', type: 'manual'})

res.status(200).send(studentList);

})

17. where it says //add rollbar errorHandler middleware here, add the line below:

app.use(rollbar.errorHandler())

18. push your code to github and deploy the app

19. go view rollbar's dashboard for the app

20. in the if/else on the server.js file

if (index === -1 && name !== "") {

studentList.push(name)

// add a rollbar log here

rollbar.log('student added successfully', {author: 'nitin', type: 'manual'}

res.status(200).send(studentList)

} else if (name === '') {

// add a rollbar error here

rollbar.error('no name given')

res.status(400).send({error: 'must provide a name'})

} else {

//add a rollbar error here too

rollbar.error('student already exists')

res.status(400).send({error: 'that student already exists'})

}