

Date : 15th - Dec- 2020

Morning Session : 9am – 11pm

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Topics: Express Generator and PM2

Important thing that we do in backend :

→ Writing restful api -> GET,post,update and delete.

→ Writing mongo queries/sql queries.

→ Fileupload and some caching mechanisms like redis.

We have a module called Express generator we need to install globally.

npm installs the packages in node_modules if you installed /globally

npx executes/creates the packages

Coding part:

→ Follows lot of coding conventions so that if a new guy comes it will be easy and clear to understand

→ The file which you write should not exceed 50 to 60 lines

→ you should modularise your code. Any function taking more than 15 lines move that function to a separate file

→ modularise means writing the functions in separate files and exporting using module.exports or exports and importing using require or importing

→ You should follow proper spacing convention throughout your application

→ we have packages called eslint which will show red marks in the editor if u are not following those rules

→ Rules will be set by us and will configure in package and that package will show you a warning that you are not following the rules

Please go through the Recorded lecture for EXpress Generator folder
Explanation

Recorded Lecture

PM2 :

PM2

A production process manager for Node. js applications that has a built-in load balancer. PM2 enables you to keep applications alive forever, reloads them without downtime, helps you to manage application logging, monitoring, and clustering.

INSTALL PM2 MODULE

---Real world we will have multiple server instances right ?

Load Balancer

server1 server2 server3 ->To give zero down time

→ cluster is group of instances => 1 instance is same as node bin/www .So 3 instances means we are executing node bin/www 3 times and all the necessary software required for that is providing by pm2

→ server will down one by one -> Immediately we can start other server

→ nodemon vs pm2

nodemon is just a development tool but pm2 is not a development tool pm2 can create clusters using its internal cluster mechanism

Pm2 Commands:

1. pm2 list
2. pm2 stop
3. pm2 restart
4. pm2 monit
5. pm2 reload all
6. pm2 logs

What will `express.json()` do ?

2



It will add the data sent in the body to `req.body`

87.5%



It will add the data sent in the body to `res.body`

Can we create the node server using `http.createServer()`?

2



Yes

70%



No