**How to create a project on node**

Steps

1. Install Node
2. Install Express in your system. Go to cmd then write command

**npm install express-generator –g**

1. Then go to desktop from cmd >>cd Desktop. Then create a project by using command

**express --hbs projectname**

1. A folder with your project name is created on your desktop, then go to that folder from cmd >>desktop>>cd projectname. Then install all the node modules by using command

**npm install**

1. Then execute next command **npm start**
2. Then go to browser and type address 127.0.0.1:3000 or localhost:3000
3. Then open your project in any code editor like visual code.
4. Then delete all the content from the views folder, and paste all the html files in this folder
5. Delete all the content from the public folder, and paste all the CSS, images, JS, and rest of the files in this folder.
6. Then open app.js file and replace this code
7. app.set('views', path.join(\_\_dirname, 'views'));
8. app.set('view engine', 'hbs');

to

var swig = require('swig');

app.engine('html',swig.renderFile);

app.set('views', path.join(\_\_dirname, 'views'));

app.set('view engine', 'html');

11. Then go to cmd and install the swig module using command

**npm install swig** then **npm start** and run your project from browser.

1. . If you had created multipage website then you have to do routing. Go to routes folder and open index.js file.
2. router.get('/', function(req, res, next) {
3. res.render('index', { title: 'Express' });
4. });

Copy this code and paste it in next line and write others html files after the ‘/’ like /about , /contact. Example

router.get('/contact', function(req, res, next) {

res.render('contact', { title: 'Express' });

});

Repeat the step for all the pages

1. Then go index.html file and find the line where you have done linking of all the pages.
2. <li><a class="nav-link href="index.html">Home</a></li>
3. <li><a class="nav-link href="about.html">About</a></li>
4. <li><a class="nav-link href="services.html">Services</a></li>
5. <li><a class="nav-link href="contact.html">Contact</a></li>

Remove .html and add forward slash ‘/’ in front of the file name

Like

1. <li><a class="nav-link href="/">Home</a></li>
2. <li><a class="nav-link href="/about">About</a></li>
3. <li><a class="nav-link href="/services">Services</a></li>
4. <li><a class="nav-link href="/contact">Contact</a></li>

Do the same in all the html files, then start the project by npm start

**How to run nodemailer**

1. Open index.js file and write this line in the top

var nodemailer = require(‘nodemailer’);

1. Write the code given below
2. router.post('/enquiry', (req, res) => {
3. const output = `
4. <p>You have a New Enquiry</p>
5. <h3>Enquiry Details</h3>
6. <ul>
7. <li>Name: ${req.body.name}</li>
8. <li>Email: ${req.body.email}</li>
9. <li>Phone: ${req.body.number}</li>


13. </ul>
14. <h3>Message</h3>
15. <p>${req.body.message}</p>
16. `;
18. // create reusable transporter object using the default SMTP transport
19. let transporter = nodemailer.createTransport({
20. host: 'smtp.zoho.com',
21. port: 587,
22. secure: false, // true for 465, false for other ports
23. auth: {
24. user: 'abc@zoho.com', // generated ethereal user
25. pass: '123' // generated ethereal password
26. },
27. // tls:{
28. // rejectUnauthorized:false
29. // }
30. });
32. // setup email data with unicode symbols
33. let mailOptions = {
34. from: 'abc@zoho.com', // sender address
35. to: 'xyz@gmail.com', // list of receivers
36. subject: 'New Enquiry', // Subject line
37. text: 'From Brandzia Website', // plain text body
38. html: output // html body
39. };
41. // send mail with defined transport object
42. transporter.sendMail(mailOptions, (error, info) => {
43. if (error) {
44. return console.log(error);
45. }
46. console.log('Message sent: %s', info.messageId);
47. console.log('Preview URL: %s', nodemailer.getTestMessageUrl(info));
49. res.send(`<body style="background-color:gray;"><div style="position:absolute; width : 100%; height:5rem; text-align:center; font-size:2rem;top:50%;transform:
50. translateY(-50%);">We Saved Your Enquiry. We will get in touch with you soon </div></body>`);
51. });
52. });

3. Go to the html file where you have defined the contact form and find action attribute of <form> tag

<form action="/enquiry" method="post" >

4. install nodemailer module by using command

**npm install nodemailer** then **npm start**

5. Run the project.