

Online Job Portal

Course : e-dac 2021

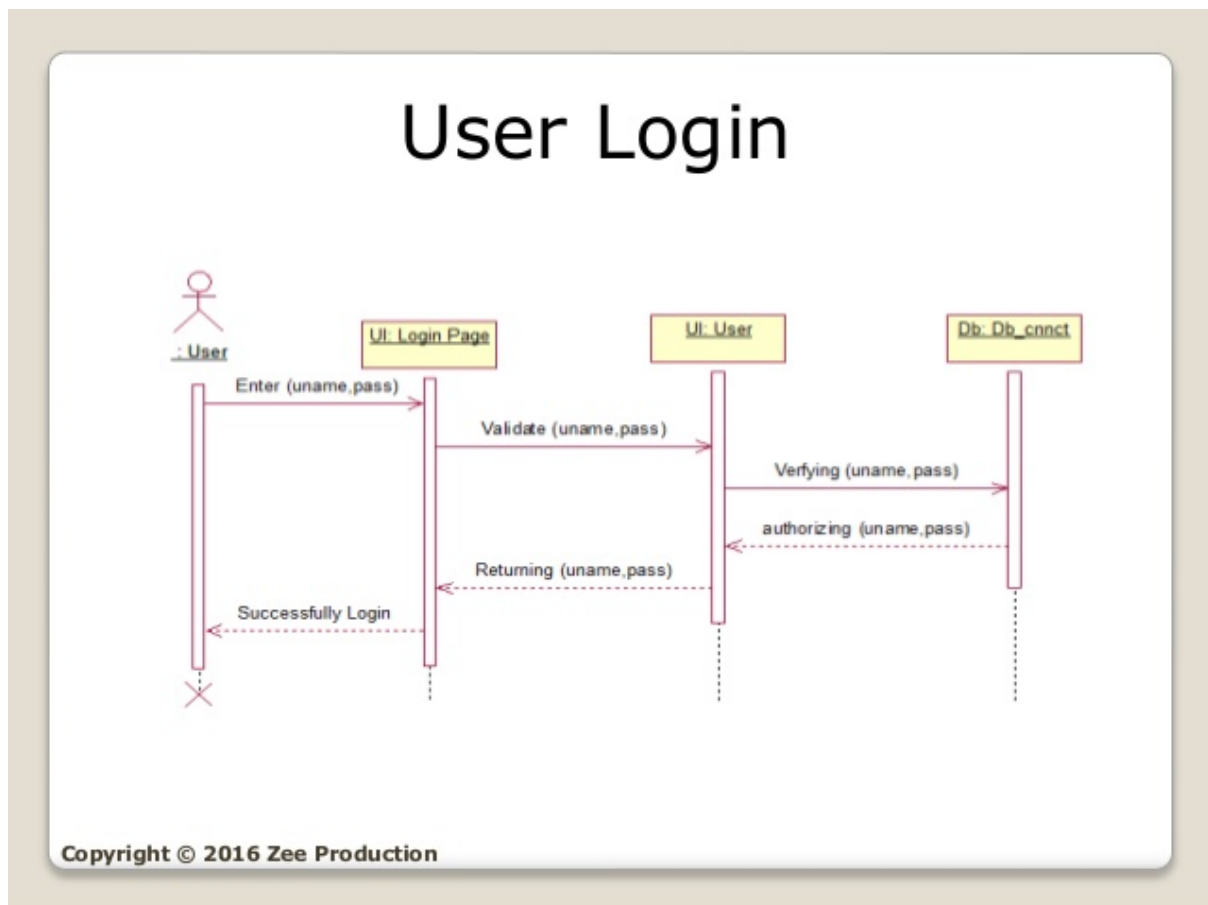
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Introduction about project

**Complete online Placement Portal
(Publishing job offers, job search, applying for jobs, and
supporting the recruitment process).**

- We are using mern stack (nodejs, mongodb, express-js, react-js)
- The aim of this project is to develop an online search Portal for the Placement Dept.
- The system is an online application that can be accessed throughout any recruiter or Job seeker.
- It Manage the student information with regards to placement
- Job Seeker logging should be able to upload their information in the form of a CV.
- Visitors/Company representatives logging in may also access/search any information put up by Students.
- The project has been planned to be having the view of distributed architecture, with centralized storage of the database.
- The application for the storage of the data has been planned. Using the constructs of MongoDB.
- Standards of security and data protective mechanisms have been given a big choice for proper usage.

User login scenario



Presentation layer: there are two types of user admin and job seeker. When any one of them enters a valid or invalid username and password, the control goes to the service layer.

Service layer: The node js server is used internally. All information validation is implemented in the service layer..when proper data is present then only it will approve. And it connects with Dao layer. from where it can verify information.

Dao: The mongodb database connection is present in this layer. All data whatever enter is control from this layer.

WORK FLOW

HOME PAGE

*Navigation Bar

1. Option of home if click on home it come back to home page.
2. Search Products: searches the product which user has entered in textbox and if the product exists, then product the product will be displayed.
5. Sign in button navigate to Login page.

*Login

1. If you register before put your email id and password and click on login navigate to personal information page.
2. If you are a new user Not registered ? Register here click here.

REGISTRATION PAGE

1. Put userroll.
2. Put name.
3. Put password.
4. Put confirm password.
5. Put contact
6. After click on register navigate to home page.

PERSONAL INFORAMTION PAGE

1. Fill all the information and click on next navigate to Education detail page.

EDUCATION DETAIL PAGE

1. Fill all the detail and click on submit it will navigate to preview page.

PREVIEW PAGE

1. Check all detail if you want to edit click on edit navigate to Personal information page
2. If click on submit data navigate to backend.

SOME SCENARIOS WHERE WE GOT STUCK AND HOW DID WE OVERCOME

In Database:

- We were facing issues during database connection. It takes data but not shows. Then we find issues and gave proper connection..then the issue got resolved.

In Backend:

- Then facing an issue in the login page...we are unable to login even if we enter proper password and we overcome this issue by changing some code in login.js page.

In FrontEnd:

- We were unable to load the react app using npm start, then it threw an issue saying cannot start react-scripts, after receiving this error we deleted whole node_modules folder and tried running command 'install npm --save' and 'npm force start' which resolved the issue.

WHAT WERE YOUR LEARNINGS DURING THIS PROJECT?

- We learnt to develop Full Stack application and learnt how Presentation Layer interacts with the Service Layer
- We have learnt how to use component talking, routing between two Components
- How to Upload a file/image and decide on the data types in MongoDB to match with table columns
- How to Authenticate User Credentials when the user logs in to their respective account using Session Storage present in lib.dom.d.ts .
- How to implement joins on two tables in ExpressJS/ Node JS.
- Implementing the entire three-tier architecture using Node as Presentation Layer, Node js as Service Layer and React as DAO Layer Framework.
- Doing a small POC first before applying the logic in the project code.
- Always first check the value returned by a function by writing console.log() and looking at Console in the Developer Tools of the browser window.
- Scheduling and prioritizing tasks using ASANA by creating sprints.