**Node.js Installation**

1. **Check if Node.js and npm are Installed**

First, verify whether Node.js and npm are installed on your system by running the following commands:

|  |
| --- |
| ***node -v***  ***npm -v*** |

If these commands return the version of Node.js and npm, it means they are installed. If not, follow the next steps.

1. **Install Node.js and npm**

To install Node.js (which includes npm), follow these steps:

1. **Download and Install Node.js**:
   * Go to the official [Node.js website](https://nodejs.org/).
   * Download the **LTS (Long Term Support)** version, as it is the most stable version.
   * Follow the installation prompts to install Node.js and npm.
2. **Verify Installation**: After installation, verify again by running:

|  |
| --- |
| ***node -v***  ***npm -v*** |

These commands should now output the versions of Node.js and npm, confirming the installation.

1. **Check npm Path Configuration**

If you have installed Node.js and npm but are still facing the issue, it could be because the **npm path is not correctly set** in your system environment variables.

To fix this:

* Open **System Properties**.
* Click on **Environment Variables**.
* Under **System Variables**, find the Path variable and ensure the following paths are added:
  + For Windows, it should include the following (based on your installation location):

|  |
| --- |
| ***C:\Program Files\nodejs\*** |

Once added, restart your terminal to make sure the changes take effect.

**Steps:**

1. Set Up React Application
2. Install React Router for Navigation
3. Create Pages: Registration, Login, Contact, About
4. Set Up Routing to Navigate Between Pages

**1. Set Up the React Application**

If you haven't created a React app yet, use **Create React App** to set up a basic project.

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| --- |
| ***npx create-react-app myapp***  ***cd myapp***  ***npm start*** |

**2. Install React Router**

You need **React Router** to implement routing and navigation between different pages. Install it using npm:

|  |
| --- |
| ***npm install react-router-dom*** |

**3. Create Pages**

Now, create the following pages:

* **Registration Page**: A form to register a student.
* **Login Page**: A form to login.
* **Contact Page**: A page to display contact information.
* **About Page**: A page to display information about the system.

**4. Implement Routing**

Update App.js to set up routing and implement the navigation between pages.

**Folder Structure:**

|  |
| --- |
| **src/**  **|-- components/**  |-- About.js  |-- Contact.js  |-- Login.js  |-- Registration.js  **|-- App.js**  **|-- index.js** |