

ToDistry WEB

Frontend	React, Next.js
Backend	Node.js, Express (optional)
UI Styling	Bootstrap, React-Bootstrap
Form & Validation	React Hook Form, Yup
Database	MySQL
Communication	Axios (for API requests)
Build Tool	npm or yarn

Dependencies (Frontend)

<code>axios</code>	HTTP requests to backend APIs
<code>bootstrap / react-bootstrap</code>	UI styling & components
<code>react / react-dom</code>	Core React libraries
<code>next</code>	Server-side rendering & routing
<code>react-hook-form</code>	Form state management
<code>yup</code>	Form validation schema
<code>react-toastify</code>	Notification system
<code>react-select</code>	Custom dropdowns
<code>react-datepicker</code>	Date picking UI
<code>uuid</code>	Unique ID generation

Dependencies (Backend)

<code>express</code>	API routing and handling
<code>mysql2</code>	MySQL database connectivity
<code>dotenv</code>	Manage environment variables
<code>cors</code>	Enable cross-origin requests
<code>bcrypt</code>	Password hashing
<code>jsonwebtoken</code>	Token-based authentication

Project Structure

```
root/
├── api/                # Backend (Node.js)
│   ├── api/
│   ├── auth/
│   ├── config/
│   ├── common/
│   └── uploads/
├── .env                # Environment configuration
├── package.json        # Project metadata & dependencies
├── web/                # Frontend root
├── pages/              # Next.js page-based routing
│   ├── index.js        # Home Page
│   └── apptree/        # /apptree route
├── src/
│   ├── components/     # Reusable UI components
│   ├── config/         # App configurations (api url)
│   └── layout/         # Layout wrappers (Header, Footer, Sidebar, etc.)
├── public/             # Static assets (images, fonts, etc.)
├── styles/             # Global and module CSS/SCSS
├── .env.local          # Environment variables
├── next.config.js      # Next.js configuration
└── package.json
```