

## ToDistry WEB

<b>Frontend</b>	React, Next.js
<b>Backend</b>	Node.js, Express (optional)
<b>UI Styling</b>	Bootstrap, React-Bootstrap
<b>Form &amp; Validation</b>	React Hook Form, Yup
<b>Database</b>	MySQL
<b>Communication</b>	Axios (for API requests)
<b>Build Tool</b>	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 )

express	API routing and handling
mysql2	MySQL database connectivity
dotenv	Manage environment variables
cors	Enable cross-origin requests
bcrypt	Password hashing
jsonwebtoken	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
```