

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)

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

```

To set up the project environment and database, download the following files:

- [.env.example (Google Drive)](https://drive.google.com/file/d/1PI4boMYodluZ2-sE7sWz1SNJO4EQDkAe/view?usp=drive_link)
- [Database schema.sql (Google Drive)](https://drive.google.com/file/d/1rfQ4rnO3ADytpe6ErZH2LNUazl-KIX5s/view?usp=drive_link)
- [README] (https://drive.google.com/file/d/1xhiltkS5DxSN9ChYMNwl9xTpZyge6a_S/view?usp=drive_link)

API Base URL

<https://todistry.com/api/api>

Api set up

```
npx esbuild index.js --bundle --platform=node --outfile=dist/index.js
--loader:.html=text
```

```
api/
├── dist/
│   └── index.js
├── .env
├── package.json
└── ...
```

Install Dependencies

```
npm install
```

Run the API

```
npm start
```

Web set up

Run the build:

```
npm run build
```

Export the static site:

```
npm run export
```

Move the contents of out/ to the web server root.

Final structure:

```
CopyEdit  
/index.html  
/_next/  
/styles/  
/assets/
```