

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/1Pl4boMYodluZ2-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/
```