Required Installations

NOTE -

The node_modules folder is not included in this repository. Please **run npm install** to install all necessary dependencies.

Frontend Installations Commands -

1.Create React App

npx create-react-app app_name

2. Navigate to the app

cd app name

3. Essential packages

npm install react-router-dom npm install react-icons

4.Run the app

npm start

Backend Installation Commands -

1.Initialize backend

npm init -y

2.Install essential packages

npm install express mysql cors dotenv npm install cors

3. For password hashing (if serverless authentication is used)

npm install berypt

4. Inorder to run both frontend and backend concurrently install -

npm install concurrently --save-dev

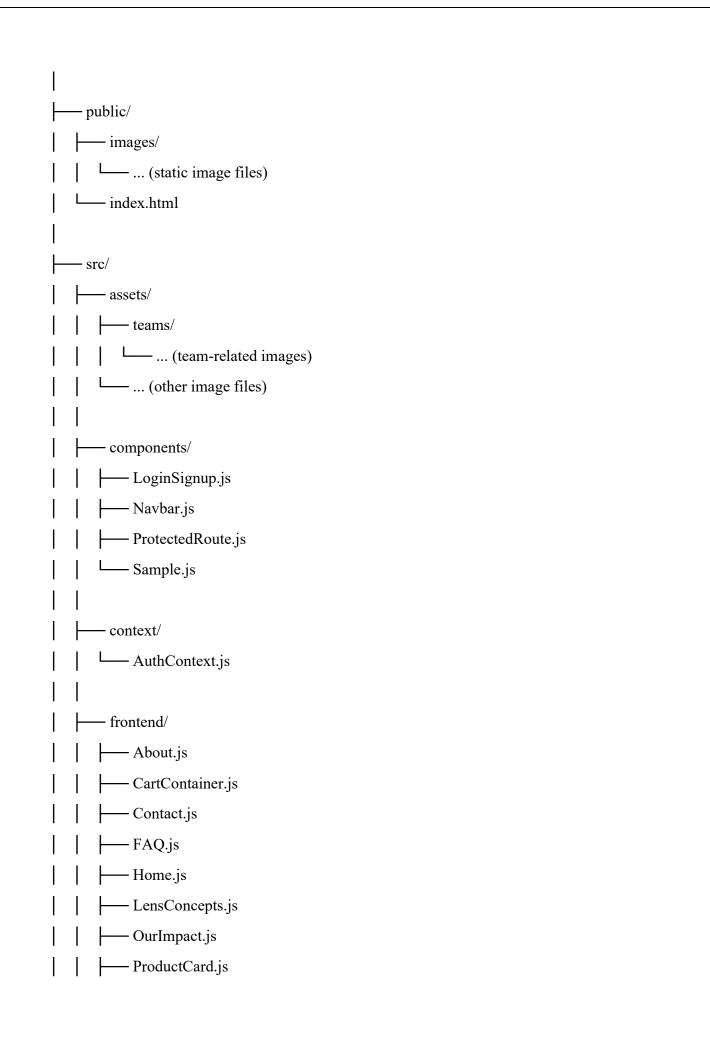
```
Also set your outer package.json code to -
 "name": " app_name",
 "version": "1.0.0",
 "scripts": {
  "start": "concurrently \"npm run server\" \"npm run client\"",
  "server": "cd backend && node index.js",
  "client": "cd src && npm run start-react",
  "start-react": "react-scripts start"
 },
 "devDependencies": {
  "concurrently": "^9.1.2"
 },
 "browserslist": {
  "production": [
   ">0.2%",
   "not dead",
   "not op mini all"
  ],
  "development": [
   "last 1 chrome version",
   "last 1 firefox version",
   "last 1 safari version"
  ]
 "dependencies": {
  "@fortawesome/fontawesome-free": "^6.7.2",
```

```
"@fortawesome/free-brands-svg-icons": "^6.7.2",
"@fortawesome/react-fontawesome": "^0.2.2",
"react-dom": "^19.1.0",
"react-icons": "^5.5.0",
"react-responsive-carousel": "^3.2.23",
"react-router-dom": "^7.6.1",
"react-scripts": "^5.0.1"
```

To install package.json and node modules files -

```
npm install
File Structure -
BELONGAPP/
    – backend/
      - node_modules/
      — routes/
       — auth.js
       — products.js
      — db.js
       products.json
      – server.js
      — index.js
       - .env
      — package.json
      — package-lock.json
```

- node_modules/



	ProductList.js
	WhomWeWork.js
	— styles/
	—— About.css
	—— Contact.css
	FAQ.css
	Header.css
	Home.css
	LensConcepts.css
	LoginSignup.css
	— OurImpact.css
	ProductCard.css
	ProductList.css
	WhomWeWork.css
	—— App.js
	— index.js
	— setupTests.js
L	—— logo.svg
	gitignore
<u> </u>	package.json
-	package-lock.json
	README.md

MySQL -

1.Create Table -

```
CREATE TABLE table_name (
    column1 datatype constraints,
    column2 datatype constraints,
    ...
);
```

2.Insert Values -

```
INSERT INTO table_name (column1, column2, ...)
VALUES (value1, value2, ...);
```

3. Update Values -

```
UPDATE table_name
SET column1 = value1, column2 = value2, ...
WHERE condition;
```

4.Drop Table -

DROP TABLE table_name;

5.Delete Values -

DELETE FROM table_name

WHERE condition;

Output- My sample database

I have used a single database with 2 tables(1 for Products and 1 for User Credentials) for backend.

```
mysql> select * from users;

| id | full_name | email | password | |
| 1 | Sri | akshaya@gmail.com | $2b$10$iB0NXB.CpDydkHQppks/TeXcmWHvUBFRccWKq1ED2s.i58VHwgCA2 |
| 2 | Akshaya | chinnukadiyala15@gmail.com | $2b$10$q5cFzLoNmHGgPxp2Or3BurVcAiCRs1qBQGuF.Ei/0BcKY/Ak/tnm |
| 3 | Akshaya | akshaya15@gmail.com | $2b$10$8/YB5PIIX7BCRuOABpUXYePCqChRe9GsHVGXW0BBo50nugH2h8IRK |
| 5 | Rohan | rohan@gmail.com | $2b$10$$QpClrR1o8YM8P6ZmCOIruuqdjHnnT7g6nQcenL0oE1ciz4XJ2oZJ. |
| 6 | AkshayaSri | akshaya03@gmail.com | $2b$10$$ty0pU27UgZoZ3mKM5NZ9qeS/NzV05c9V2hVvoZNmoP9CidnLiLy/u |

5 rows in set (0.00 sec)
```