# **Interactive Tutorials Application**

#### **Frontend**

- React 18.2.0
- React Router DOM 6.22.1
- TailwindCSS 3.3.3
- Vite 6.2.6
- Axios 1.5.0
- Classnames 2.3.2

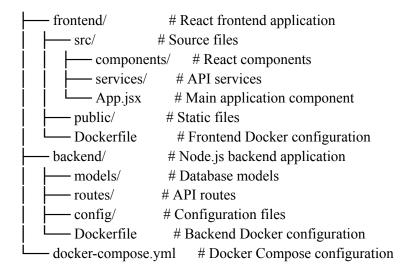
#### **Backend**

- Node.js 18
- Express.js
- Sequelize ORM
- SQLite Database

### **Development Tools**

- Docker & Docker Compose
- Nginx (for production deployment)
- Vite (for development server)

## **Project Structure**



#### **Features**

- Create and manage interactive tutorials
- Support for video content
- Step-by-step tutorials
- Quiz functionality
- Module-based learning structure
- Responsive design
- Real-time updates

## **Getting Started**

- 1. Clone the repository
- 2. Run 'docker-compose up' to start the application
- 3. Access the frontend at `http://localhost:5173`
- 4. The backend API will be available at `http://localhost:5000`

#### **Development**

- Frontend development server runs on port 5173
- Backend API runs on port 5000
- Hot reloading enabled for frontend development
- SQLite database for data persistence

## **Production Deployment**

The application is containerized using Docker and can be deployed to any container orchestration platform that supports Docker Compose.