GitHub Upload Guide: NielsenIQ Label Insight Project

Step-by-Step Instructions

Option A: Upload from Local Drive (Recommended)

Step 1: Download Project Files from Claude

1.1 Save the Main Application Code

1. **Copy the App.js code** from our conversation above
2. Create a new file called `App.js` on your computer
3. Paste the complete React code into `App.js`
4. Save the file

1.2 Create Project Structure Create this folder structure on your computer:

```
nielseniq-label-insight/
├─── README.md
├─── package.json
├─── public/
│    ├─── index.html
│    └─── favicon.ico
├─── src/
│    ├─── App.js          (Main application file)
│    ├─── index.js
│    ├─── index.css
│    └─── components/
├─── docs/
│    ├─── technical-architecture.md
│    ├─── functional-requirements.md
│    ├─── user-guide.md
│    └─── api-integration-guide.md
└─── .gitignore
```

Step 2: Create Project Files

2.1 Create package.json

```json
```

```json
{
  "name": "nielseniq-label-insight",
  "version": "1.0.0",
  "description": "NielsenIQ Label Insight Platform for Albertsons Companies - Product data intelligence dashboard",
  "private": true,
  "dependencies": {
    "react": "^18.2.0",
    "react-dom": "^18.2.0",
    "react-scripts": "5.0.1",
    "lucide-react": "^0.263.1"
  },
  "scripts": {
    "start": "react-scripts start",
    "build": "react-scripts build",
    "test": "react-scripts test",
    "eject": "react-scripts eject"
  },
  "eslintConfig": {
    "extends": [
      "react-app",
      "react-app/jest"
    ]
  },
  "browserslist": {
    "production": [
      ">0.2%",
      "not dead",
      "not op_mini all"
    ],
    "development": [
      "last 1 chrome version",
      "last 1 firefox version",
      "last 1 safari version"
    ]
  },
  "keywords": ["nielsen", "label-insight", "product-data", "react", "dashboard", "albertsons"],
  "author": "Your Name",
  "license": "MIT"
}
```

2.2 Create public/index.html

html

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8" />
    <link rel="icon" href="%PUBLIC_URL%/favicon.ico" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <meta name="theme-color" content="#000000" />
    <meta name="description" content="NielsenIQ Label Insight Platform for Albertsons Companies" />
    <title>NielsenIQ Label Insight Platform</title>
  </head>
  <body>
    <noscript>You need to enable JavaScript to run this app.</noscript>
    <div id="root"></div>
  </body>
</html>
```

2.3 Create src/index.js

```javascript
import React from 'react';
import ReactDOM from 'react-dom/client';
import './index.css';
import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
    <App />
  </React.StrictMode>
);
```

2.4 Create src/index.css

```css
```

```css
body {
  margin: 0;
  font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', 'Roboto', 'Oxygen',
    'Ubuntu', 'Cantarell', 'Fira Sans', 'Droid Sans', 'Helvetica Neue',
    sans-serif;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
}

code {
  font-family: source-code-pro, Menlo, Monaco, Consolas, 'Courier New',
    monospace;
}

* {
  box-sizing: border-box;
}
```

2.5 Create .gitignore

```
# Dependencies
node_modules/
npm-debug.log*
yarn-debug.log*
yarn-error.log*

# Production build
build/
dist/

# Environment variables
.env
.env.local
.env.development.local
.env.test.local
.env.production.local

# IDE files
.vscode/
.idea/
*.swp
*.swo

# OS generated files
.DS_Store
.DS_Store?
._*
.Spotlight-V100
.Trashes
ehthumbs.db
Thumbs.db

# Logs
logs
*.log

# Runtime data
pids
*.pid
*.seed
*.pid.lock

# Coverage directory used by tools like istanbul
```

```
coverage/


# Dependency directories
jspm_packages/


# Optional npm cache directory
.npm


# Optional eslint cache
.eslintcache
```

2.6 Create README.md

```markdown
# NielsenIQ Label Insight Platform


A comprehensive product data intelligence dashboard that integrates NielsenIQ's Label Insight data with Albertso


## Features


- **Dashboard**: Real-time metrics and KPIs for product data coverage
- **Product Catalog**: Searchable database with enhanced attributes and claims
- **Data Migration**: Progress tracking for Label Insight data integration
- **Attribute Analytics**: Visual analysis of product attributes and quality scores
- **AI Assistant**: Interactive help system with natural language Q&A
- **Help System**: Contextual help and comprehensive user guidance


## Quick Start


### Prerequisites
- Node.js 16.x or higher
- npm or yarn package manager


### Installation


1. Clone the repository:
```bash
git clone https://github.com/yourusername/nielseniq-label-insight.git
cd nielseniq-label-insight
```

2. Install dependencies:

```bash
npm install
```

3. Start the development server:

```bash
npm start
```

4. Open http://localhost:3000 to view the application.

Project Structure

```
src/
├──── App.js          # Main application component
├──── index.js         # React entry point
├──── index.css        # Global styles
└──── components/      # Reusable components (future)

docs/
├──── technical-architecture.md   # System architecture documentation
├──── functional-requirements.md  # User stories and requirements
├──── user-guide.md         # End-user documentation
└──── api-integration-guide.md    # API integration details
```

Documentation

- Technical Architecture

- Functional Requirements

- User Guide

- API Integration Guide

Technology Stack

- **Frontend**: React 18.x

- **Icons**: Lucide React

- **Styling**: CSS-in-JS (inline styles)

- **Build Tool**: Create React App

Usage

Dashboard

Monitor real-time metrics including SKU coverage, data freshness, and migration progress.

Product Catalog

Search and filter products with enhanced Label Insight attributes. Export data in JSON or CSV formats.

Migration Tracking

Track the progress of integrating NielsenIQ Label Insight data across product categories.

AI Assistant

Click the blue chat icon to ask questions about features, data coverage, and system functionality.

Contributing

1. Fork the repository
2. Create a feature branch (`git checkout -b feature/new-feature`)
3. Commit your changes (`git commit -am 'Add new feature'`)
4. Push to the branch (`git push origin feature/new-feature`)
5. Create a Pull Request

License

This project is licensed under the MIT License - see the LICENSE file for details.

Support

For questions or support, please contact the development team or check the documentation in the `docs/` directory.

```
#### Step 3: Initialize Git Repository

**3.1 Open Terminal/Command Prompt**
- **Windows**: Press `Win + R`, type `cmd`, press Enter
- **Mac**: Press `Cmd + Space`, type `terminal`, press Enter
- **Linux**: Press `Ctrl + Alt + T`

**3.2 Navigate to Project Folder**
```bash
cd path/to/your/nielseniq-label-insight
```

3.3 Initialize Git

```bash
git init
```

3.4 Add All Files

```bash
git add .
```

3.5 Create Initial Commit

```bash
git commit -m "Initial commit: NielsenIQ Label Insight Platform with dashboard, product catalog, migration trackin
```

Step 4: Create GitHub Repository

4.1 Go to GitHub

1. Open your web browser

2. Go to https://github.com

3. Sign in to your account (create one if needed)

4.2 Create New Repository

1. Click the **"+"** button in the top right corner

2. Select **"New repository"**

3. Fill in repository details:
   - **Repository name**: `nielseniq-label-insight`
   - **Description**: `NielsenIQ Label Insight Platform for Albertsons Companies - Product data intelligence dashboard`
   - **Visibility**: Choose **Public** or **Private**
   - **DO NOT** initialize with README (we already have one)

4. Click **"Create repository"**

Step 5: Connect Local Repository to GitHub

5.1 Add Remote Origin Replace `yourusername` with your actual GitHub username:

```bash
git remote add origin https://github.com/yourusername/nielseniq-label-insight.git
```

5.2 Set Default Branch

```bash
git branch -M main
```

5.3 Push to GitHub

```bash
git push -u origin main
```

5.4 Enter GitHub Credentials

- Enter your GitHub username and password
- Or use a personal access token if you have 2FA enabled

Option B: Download Files Directly from Browser

Step 1: Download Project Files

1.1 Save Documentation Files

1. Go back to our conversation
2. Find each documentation artifact (Technical Architecture, User Guide, etc.)

3. Click the download button on each artifact

4. Save to your project folder

1.2 Create Project from Scratch You can also use Create React App:

```bash
npx create-react-app nielseniq-label-insight
cd nielseniq-label-insight
```

Then replace the default `src/App.js` with our application code.

Advanced GitHub Setup (Optional)

Add GitHub Actions for CI/CD

Create .github/workflows/ci.yml

```yaml

```

```yaml
name: CI/CD Pipeline

on:
  push:
    branches: [ main, develop ]
  pull_request:
    branches: [ main ]

jobs:
  test:
    runs-on: ubuntu-latest

    steps:
    - uses: actions/checkout@v3

    - name: Setup Node.js
      uses: actions/setup-node@v3
      with:
        node-version: '18'
        cache: 'npm'

    - name: Install dependencies
      run: npm ci

    - name: Run tests
      run: npm test -- --coverage --watchAll=false

    - name: Build application
      run: npm run build

    - name: Deploy to GitHub Pages
      if: github.ref == 'refs/heads/main'
      uses: peaceiris/actions-gh-pages@v3
      with:
        github_token: ${{ secrets.GITHUB_TOKEN }}
        publish_dir: ./build
```

Add Issue Templates

Create .github/ISSUE_TEMPLATE/bug_report.md

```
markdown
```

---
name: Bug report
about: Create a report to help us improve
title: '[BUG] '
labels: bug
assignees: ''

Describe the bug
A clear and concise description of what the bug is.

To Reproduce
Steps to reproduce the behavior:
1. Go to '...'
2. Click on '....'
3. Scroll down to '....'
4. See error

Expected behavior
A clear and concise description of what you expected to happen.

Screenshots
If applicable, add screenshots to help explain your problem.

Browser Information:
  - Browser: [e.g. chrome, safari]
  - Version: [e.g. 22]

Additional context
Add any other context about the problem here.

Add Contributing Guidelines

Create CONTRIBUTING.md

markdown

Contributing to NielsenIQ Label Insight Platform

Development Process

1. Fork the repository
2. Create a feature branch from `develop`
3. Make your changes
4. Add tests if applicable
5. Update documentation
6. Submit a pull request

Code Style

- Use ESLint configuration provided
- Follow React best practices
- Write meaningful commit messages
- Comment complex logic

Pull Request Process

1. Ensure any install or build dependencies are removed
2. Update the README.md with details of changes if applicable
3. Include screenshots for UI changes
4. Request review from maintainers

Troubleshooting Common Issues

Issue 1: Permission Denied

Problem: `Permission denied (publickey)` error

Solution: Use HTTPS instead of SSH

```bash
git remote set-url origin https://github.com/yourusername/nielseniq-label-insight.git
```

Issue 2: Authentication Failed

Problem: Username/password not working

Solution: Create Personal Access Token

1. Go to GitHub Settings > Developer settings > Personal access tokens
2. Generate new token with `repo` permissions
3. Use token as password when prompted

Issue 3: Large File Warning

Problem: Files too large for GitHub

Solution: Add to .gitignore

```bash
echo "large-file.zip" >> .gitignore
git rm --cached large-file.zip
git commit -m "Remove large file"
```

Issue 4: Node Modules Error

Problem: node_modules folder too large

Solution: Already handled by .gitignore, but if needed:

```bash
git rm -r --cached node_modules
git commit -m "Remove node_modules from tracking"
```

Quick Commands Reference

Essential Git Commands

```bash
```

```bash
# Check status
git status

# Add specific file
git add filename.js

# Add all files
git add .

# Commit with message
git commit -m "Your commit message"

# Push to GitHub
git push origin main

# Pull latest changes
git pull origin main

# Create new branch
git checkout -b feature-name

# Switch branches
git checkout main
```

Project Commands

```bash
bash

# Install dependencies
npm install

# Start development server
npm start

# Build for production
npm run build

# Run tests
npm test
```

Final Checklist

Before pushing to GitHub, ensure you have:

- [ ] **App.js** with complete application code
- [ ] **package.json** with correct dependencies
- [ ] **README.md** with project description
- [ ] **Documentation files** in docs/ folder
- [ ] **.gitignore** to exclude unnecessary files
- [ ] **Initial commit** with meaningful message
- [ ] **GitHub repository** created
- [ ] **Remote origin** added correctly
- [ ] **Code pushed** successfully

Next Steps After Upload

1. **Enable GitHub Pages** (optional)
   - Go to repository Settings > Pages
   - Select source branch
   - Get live URL for your app

2. **Add Collaborators**
   - Go to Settings > Manage access
   - Invite team members

3. **Set up Branch Protection**
   - Go to Settings > Branches
   - Add rules for main branch

4. **Create Project Board**
   - Go to Projects tab
   - Create Kanban board for task management

5. **Add Topics/Tags**
   - Go to main repository page
   - Click gear icon next to "About"
   - Add relevant topics: `react`, `dashboard`, `nielsen`, `product-data`

This guide will get your NielsenIQ Label Insight Platform successfully uploaded to GitHub with proper structure and documentation!