■ Project Code Export

■ Frontend File List:

- .gitignore
- Frontend_Code_Export.pdf
- postcss.config.js
- public\favicon.ico
- public\index.html
- public\left.png
- public\logo192.png
- public\logo512.png
- public\manifest.json
- public\right.png
- public\robots.txt
- script.py
- src\App.css
- src\App.js
- src\App.test.js
- src\AppContent.js
- src\assets\placeholder.svg
- src\components\admin\AdminPanel.js
- src\components\common\LoadingSpinner.js
- src\components\common\ResetAll.js
- src\components\common\TabNavigation.js
- src\components\common\Toasts.js
- src\components\form\FieldInputRow.js
- src\components\form\InputForm.js
- src\components\report\PDFPreview.js
- src\components\report\ReportOutput.js
- src\components\settings\CategoryManager.js
- src\components\settings\SettingsPanel.js
- src\contexts\FormConfigContext.js
- src\contexts\ThemeContext.js
- $src\data\formConfig.json$
- src\hooks\useConfigImportExport.js
- src\hooks\useExcelExport.js
- src\hooks\usePDFGeneration.js
- src\hooks\useReportGeneration.js
- src\index.css
- src\index.js
- src\logo.svg
- src\reportWebVitals.js
- src\setupTests.js
- src\styles\index.css
- src\utils\constants.js
- src\utils\helpers.js
- tailwind.config.js

■ File: .gitignore

```
[Binary file - format]
```

■ File: Frontend_Code_Export.pdf

```
[Binary file - .pdf format]
```

■ File: postcss.config.js

```
1: module.exports = {
2: plugins: {
3: tailwindcss: {},
4: autoprefixer: {},
5: },
6: }
```

■ File: public\favicon.ico

```
[Binary file - .ico format]
```

■ File: public\index.html

```
______
 1: <!DOCTYPE html>
 2: <html lang="en">
     <head>
       <meta charset="utf-8" />
 4:
       <link rel="icon" href="%PUBLIC_URL%/favicon.ico" />
       <meta name="viewport" content="width=device-width, initial-scale=1" />
 6:
       <meta name="theme-color" content="#000000" />
 7:
 8:
       <meta
 9:
        name="description"
 10:
         content="Web site created using create-react-app"
11:
        />
12:
       <link rel="apple-touch-icon" href="%PUBLIC_URL%/logo192.png" />
13:
14:
         manifest.json provides metadata used when your web app is installed on a
15:
         user's mobile device or desktop. See https://developers.google.com/web/fundamentals/web-app-manifest/
16:
17:
        <link rel="manifest" href="%PUBLIC_URL%/manifest.json" />
18:
 19:
          Notice the use of %PUBLIC_URL% in the tags above.
         It will be replaced with the URL of the `public` folder during the build.
20:
         Only files inside the `public` folder can be referenced from the HTML.
 21:
 22:
 23:
          Unlike "/favicon.ico" or "favicon.ico", "%PUBLIC_URL%/favicon.ico" will
 24:
          work correctly both with client-side routing and a non-root public URL.
         Learn how to configure a non-root public URL by running `npm run build`.
 25:
 26:
 27:
        <title>React App</title>
 28:
      </head>
 29:
      <body>
 30:
       <noscript>You need to enable JavaScript to run this app./noscript>
 31:
        <div id="root"></div>
 32:
        <!--
 33:
          This HTML file is a template.
34:
          If you open it directly in the browser, you will see an empty page.
 35:
          You can add webfonts, meta tags, or analytics to this file.
36:
 37:
          The build step will place the bundled scripts into the <body> tag.
 38:
39:
          To begin the development, run `npm start` or `yarn start`.
 40:
         To create a production bundle, use `npm run build` or `yarn build`.
        -->
 41:
 42:
      </body>
```

■ File: public\left.png

[Binary file - .png format]

■ File: public\logo192.png

Binary file - .png format]

■ File: public\logo512.png

[Binary file - .png format]

■ File: public\manifest.json

```
1: {
2:
     "short_name": "React App",
3:
    "name": "Create React App Sample",
    "icons": [
4:
5:
     {
6:
        "src": "favicon.ico",
        "sizes": "64x64 32x32 24x24 16x16",
7:
        "type": "image/x-icon"
8:
9:
     },
10:
     {
        "src": "logo192.png",
11:
12:
        "type": "image/png",
        "sizes": "192x192"
13:
14:
     },
15:
16:
        "src": "logo512.png",
17:
        "type": "image/png",
        "sizes": "512x512"
18:
19:
     }
20: ],
21:
     "start_url": ".",
    "display": "standalone",
22:
    "theme_color": "#000000",
23:
24: "background_color": "#ffffff"
25: }
```

■ File: public\right.png

[Binary file - .png format]

■ File: public\robots.txt

https://www.robotstxt.org/robotstxt.html
User-agent: *

Disallow:

■ File: script.py

```
1: import os
2: from reportlab.lib.pagesizes import A4
3: from reportlab.lib.units import mm
4: from reportlab.pdfgen import canvas
5:
```

```
6: def get_code_files(directory, excluded_files=None, excluded_dirs=None):
7:
       """Fetch all project files except specified exclusions."""
8:
       if excluded_files is None:
9:
           excluded_files = {'package.json', 'package-lock.json'}
10:
11:
       if excluded_dirs is None:
12:
           excluded_dirs = {'node_modules', '.git', '__pycache__', 'build', '.next', 'dist'}
13:
14:
       code_files = {}
15:
       for root, dirs, files in os.walk(directory):
16:
17:
           # Skip excluded directories
18:
           dirs[:] = [d for d in dirs if d not in excluded_dirs]
19:
20:
           # Skip if current directory is an excluded directory
21:
           if any(excluded_dir in root.split(os.sep) for excluded_dir in excluded_dirs):
               continue
22:
23:
           for file in files:
24:
25:
               # Skip excluded files
26:
               if file in excluded_files:
27:
                   continue
28:
29:
               file_path = os.path.join(root, file)
30:
               # Get file extension
31:
32:
               _, ext = os.path.splitext(file)
33:
34:
               try:
35:
                   # Try to read as text file first
                   36:
37:
                                    '.config', '.gitignore', '.env', '.py', '.sh', '.bat', '.cmd',
38:
                                    '.svg', '.dockerfile', '.editorconfig', '.eslintrc', '.prettierrc'}:
39:
                       with open(file_path, "r", encoding="utf-8", errors="ignore") as f:
40:
41:
                           code_files[file_path] = f.readlines()
42:
                   else:
43:
                       # For binary files, just note them as binary
44:
                       code_files[file_path] = [f"[Binary file - {ext} format]"]
45:
46:
               except Exception as e:
47:
                   print(f"? Error reading {file_path}: {e}")
48:
                   code_files[file_path] = [f"[Error reading file: {str(e)}]"]
49:
50:
       return code files
51:
52:
53: def create_pdf(code_data, output_pdf="Frontend_Code_Export.pdf"):
54:
      c = canvas.Canvas(output_pdf, pagesize=A4)
55:
       width, height = A4
       margin = 20 * mm
56:
57:
       line_height = 10
58:
      y = height - margin
59:
60:
       # Title
       c.setFont("Helvetica-Bold", 16)
61:
       c.drawString(margin, y, "? Project Code Export")
62:
      y -= 2 * line_height
63:
64:
       c.setFont("Helvetica-Bold", 12)
65:
       c.drawString(margin, y, "? Frontend File List:")
66:
       y -= 2 * line_height
67:
68:
       file_paths = sorted(list(code_data.keys()))
69:
70:
       # 1. File list (original simple format)
71:
       c.setFont("Courier", 8)
72:
       for path in file_paths:
           if y < margin:</pre>
73:
74:
               c.showPage()
75:
               c.setFont("Courier", 8)
76:
               y = height - margin
77:
78:
           display_path = os.path.relpath(path)
```

```
79:
             c.drawString(margin, y, f"- {display_path}")
 80:
             y -= line_height
 81:
 82:
         # Add page break before code content
 83:
         c.showPage()
 84:
         y = height - margin
 85:
 86:
         # 2. File contents
 87:
         for file_path in file_paths:
             lines = code_data[file_path]
 88:
 89:
             print(f"? Adding: {file_path}")
 90:
 91:
             if y < margin + 3 * line_height:</pre>
 92:
                 c.showPage()
 93:
                 y = height - margin
 94:
             # File header
 95:
 96:
             rel_path = os.path.relpath(file_path)
             c.setFont("Helvetica-Bold", 12)
 97:
 98:
             c.drawString(margin, y, f"? File: {rel_path}")
 99:
             y -= line_height
100:
101:
            # Add separator line
            c.setFont("Courier", 8)
102:
103:
             c.drawString(margin, y, "=" * 80)
104:
             y -= line_height
105:
             # File content
106:
             for line_num, line in enumerate(lines, 1):
107:
108:
                 if y < margin:</pre>
109:
                     c.showPage()
110:
                     c.setFont("Courier", 8)
                     y = height - margin
111:
112:
113:
                 # Clean and truncate line
114:
                 line = line.strip("\n").encode("latin-1", "replace").decode("latin-1")
115:
116:
                 # Add line numbers for code files
                 if rel_path.endswith(('.js', '.jsx', '.ts', '.tsx', '.css', '.py', '.html', '.json')):
117:
                     display_line = f"{line_num:3d}: {line[:280]}"
118:
119:
                 else:
120:
                     display_line = line[:300]
122:
                 c.drawString(margin, y, display_line)
123:
                 y -= line_height
124:
125:
            # Add spacing between files
126:
             y -= line_height
127:
             if y > margin:
128:
                 c.setFont("Courier", 8)
                 c.drawString(margin, y, "-" * 80)
129:
                 y -= 2 * line_height
130:
131:
132:
        c.save()
133:
         print(f"? PDF successfully created: {output_pdf}")
134:
         print(f"? Total files processed: {len(code_data)}")
135:
136:
137: def main():
138:
         root_dir = os.path.dirname(os.path.abspath(__file__))
139:
140:
         # Files to exclude (including package.json as requested)
141:
         excluded_files = {
142:
             'package.json',
143:
             'package-lock.json',
144:
             'yarn.lock',
             'README.md',
145:
146:
             '.DS_Store',
             'Thumbs.db',
147:
148:
             'Desktop.ini'
149:
150:
151:
         # Directories to exclude
```

```
excluded_dirs = {
152:
153:
          'node_modules',
154:
            '.git',
          '__pycache__',
155:
          'build',
156:
           'dist',
157:
            '.next',
158:
            'coverage',
159:
160:
            '.nyc_output',
            'logs',
161:
162:
            '*.log'
163:
       }
164:
       print("? Scanning project files...")
165:
166:
        code_files = get_code_files(root_dir, excluded_files, excluded_dirs)
167:
168:
       if not code_files:
169:
          print("? No files found to process!")
170:
            return
171:
      print(f"? Found {len(code_files)} files to include in PDF")
172:
173:
       create_pdf(code_files)
174:
175:
176: if __name__ == "__main__":
       main()
177:
```

■ File: src\App.css

```
______
 1: .App {
 2: text-align: center;
 3: }
 4:
 5: .App-logo {
6: height: 40vmin;
 7: pointer-events: none;
 8: }
 9:
10: @media (prefers-reduced-motion: no-preference) {
11: .App-logo {
12:
      animation: App-logo-spin infinite 20s linear;
13: }
14: }
15:
16: .App-header {
17: background-color: #282c34;
18: min-height: 100vh;
19: display: flex;
20: flex-direction: column;
21: align-items: center;
22: justify-content: center;
23:
     font-size: calc(10px + 2vmin);
24:
     color: white;
25: }
26:
27: .App-link {
28:
     color: #61dafb;
29: }
31: @keyframes App-logo-spin {
32: from {
33:
      transform: rotate(0deg);
34: }
35: to {
36:
      transform: rotate(360deg);
37:
     }
38: }
```

■ File: src\App.js

```
1: import React from 'react';
 2: import { FormConfigProvider } from './contexts/FormConfigContext';
 3: import { ThemeProvider } from './contexts/ThemeContext';
 4: import AppContent from './AppContent';
 5: import Toasts from './components/common/Toasts';
 6: // import { FormConfigProvider } from "./contexts/FormConfigContext";
 7:
 8:
 9: function App() {
10: return (
     <ThemeProvider>
11:
12:
       <FormConfigProvider>
13:
         <AppContent />
14:
          <Toasts />
        </FormConfigProvider>
15:
     </ThemeProvider>
16:
17: );
18: }
19:
20: export default App;
```

■ File: src\App.test.js

```
1: import { render, screen } from '@testing-library/react';
2: import App from './App';
3:
4: test('renders learn react link', () => {
5: render(<App />);
6: const linkElement = screen.getByText(/learn react/i);
7: expect(linkElement).toBeInTheDocument();
8: });
```

■ File: src\AppContent.js

```
______
 1: import React, { useState } from 'react';
 2: import TabNavigation from './components/common/TabNavigation';
 3: import InputForm from './components/form/InputForm';
 4: import ReportOutput from './components/report/ReportOutput';
 5: import AdminPanel from './components/admin/AdminPanel';
 6: import SettingsPanel from './components/settings/SettingsPanel';
 7: import { useReportGeneration } from './hooks/useReportGeneration';
 8: import { AnimatePresence, motion } from 'framer-motion';
 9:
10: const AppContent = () => {
11: const [activeTab, setActiveTab] = useState('form');
12: const { reportData, generateReport } = useReportGeneration();
13:
 14:
     const handleGenerateReport = (formData) => {
15:
       generateReport(formData);
     };
16:
17:
18:
     const tabTransition = {
      initial: { opacity: 0, y: 20 },
animate: { opacity: 1, y: 0 },
 19:
 20:
       exit: { opacity: 0, y: -20 },
 21:
 22:
       transition: { duration: 0.3 }
 23:
     };
 24:
 25:
 26:
       <div className="bg-gray-100 font-sans min-h-screen">
 27:
          <TabNavigation activeTab={activeTab} setActiveTab={setActiveTab} />
 28:
 29:
          <AnimatePresence mode="wait">
 30:
            {activeTab === 'form' && (
 31:
              <motion.div key="form" {...tabTransition}>
 32:
                <div className="flex flex-col md:flex-row h-screen desktop-layout">
 33:
                  <InputForm onGenerateReport={handleGenerateReport} reportData={reportData} />
```

```
34:
                  <ReportOutput reportData={reportData} />
35:
                </div>
36:
             </motion.div>
37:
            ) }
38:
39:
           {activeTab === 'admin' && (
40:
            <motion.div key="admin" {...tabTransition}>
41:
               <div className="p-6">
42:
                 <AdminPanel />
               </div>
43:
44:
             </motion.div>
           ) }
45:
            {activeTab === 'settings' && (
47:
48:
             <motion.div key="settings" {...tabTransition}>
49:
               <div className="p-6">
50:
                 <SettingsPanel />
51:
                </div>
52:
             </motion.div>
           ) }
54:
         </AnimatePresence>
55:
       </div>
56: );
57: };
58:
59: export default AppContent;
```

■ File: src\assets\placeholder.svg

■ File: src\components\admin\AdminPanel.js

```
_______
 1: import React from "react";
 2: import { useFormConfiq } from "../../contexts/FormConfigContext";
 3: import { DragDropContext, Droppable, Draggable } from "@hello-pangea/dnd";
 4: import { toast } from "react-toastify";
5: import { useState, useEffect } from "react";
 7: const AdminPanel = () => {
 8: const { state, dispatch } = useFormConfig();
 9:
10:
     const [localFields, setLocalFields] = useState([]);
11:
12: useEffect(() => {
     // Sync when config loads or changes
13:
14:
        setLocalFields(state.fields);
15:
     }, [state.fields]);
16:
17: const updateLocalField = (index, property, value) => {
18:
      const updated = [...localFields];
19:
        updated[index] = { ...updated[index], [property]: value };
20:
        setLocalFields(updated);
 21:
22:
     const saveField = (index) => {
 23:
       const field = localFields[index];
 24:
       dispatch({ type: "UPDATE_FIELD", index, property: "full", value: field });
 26:
       toast.success(`? Field "${field.label}" saved!`);
 27:
     };
 28:
29:
      const categories = state.categories;
 30:
     // ? Add new field
31:
 32:
     const addNewField = () => {
33:
       const newField = {
 34:
        id: `field_${Date.now()}`,
 35:
         label: "New Field",
         category: "",
 36:
 37:
         high: "",
```

```
normal: "",
 38:
 39:
 40:
         };
         dispatch({ type: "ADD_FIELD", field: newField });
 41:
         toast.success("? Field added!");
 42:
 43:
 44:
 45:
       // ?? Delete field
       const deleteField = (index) => {
 46:
         if (window.confirm("Delete this field?")) {
 47:
           dispatch({ type: "DELETE_FIELD", index });
 48:
           toast.info("?? Field deleted");
 49:
 50:
       };
 51:
 52:
 53:
       // ?? Edit field
 54:
       // const updateField = (index, property, value) => {
 55:
       // dispatch({ type: "UPDATE_FIELD", index, property, value });
 56:
 57:
 58:
      // ? Handle drag-end reorder
 59:
       const onDragEnd = (result) => {
 60:
         if (!result.destination) return;
         const reordered = Array.from(state.fields);
 61:
         const [moved] = reordered.splice(result.source.index, 1);
 62:
 63:
         reordered.splice(result.destination.index, 0, moved);
 64:
 65:
         dispatch({
 66:
           type: "REORDER_FIELDS",
 67:
           fields: reordered,
 68:
         });
 69:
         toast.success("? Field order updated!");
       };
 70:
 71:
 72:
      return (
 73:
        <div className="max-w-6xl mx-auto px-4 py-8 bg-gray-800 dark:bg-gray-900 text-white dark:text-gray-100"</pre>
 74:
           <div className="flex justify-between items-center mb-6">
 75:
             <h2 className="text-2xl font-bold">?? Field Management</h2>
 76:
             <button
 77:
               onClick={addNewField}
 78:
               className="bg-green-600 hover:bg-green-700 text-white px-5 py-2 rounded-lg font-semibold"
 79:
 80:
               ? Add New Field
 81:
             </button>
 82:
             <button
               onClick={() => localFields.forEach((field, i) => saveField(i))}
 83:
 84:
               className="bg-blue-600 hover:bg-blue-700 text-white px-5 py-2 rounded-lg font-semibold"
 85:
 86:
               2 Save All
 87:
             </button>
           </div>
 88:
 89:
 90:
           {/* Drag Context */}
 91:
           \verb|-DragDropContext| on \verb|DragEnd={onDragEnd}| >
 92:
             <Droppable droppableId="fields">
               {(provided) => (
 93:
 94:
                 <div
 95:
                   {...provided.droppableProps}
 96:
                   ref={provided.innerRef}
 97:
                   className="space-y-6"
 98:
 99:
                   {state.fields.map((field, index) => (
100:
                      <Draggable key={field.id} draggableId={field.id} index={index}>
101:
                        {(provided, snapshot) => (
102:
                          <div
103:
                            ref={provided.innerRef}
104:
                            {...provided.draggableProps}
105:
                            {...provided.dragHandleProps}
106:
                            className={`border rounded-lg p-6 bg-white shadow-sm space-y-4 ${
107:
                              snapshot.isDragging
108:
                                ? "bg-gray-100 ring-2 ring-green-500"
109:
110:
                            }`}
```

```
111:
112:
                            <div className="flex justify-between items-center">
113:
                              <h3 className="text-lg font-semibold">
114:
                                {index + 1}. {field.label}
115:
                              </h3>
116:
                              <button
117:
                                onClick={() => deleteField(index)}
118:
                                className="text-red-600 hover:text-red-800 font-medium"
119:
120:
                                ?? Delete
121:
                              </button>
                              <div className="flex gap-2">
122:
123:
                                <button
124:
                                  onClick={() => saveField(index)}
125:
                                 className="text-green-600 hover:underline"
126:
127:
                                  ? Save
128:
                                </button>
129:
                              </div>
130:
                            <div className="grid grid-cols-1 md:grid-cols-2 gap-4">
131:
132:
133:
                                <label className="text-sm font-medium">
134:
                                  Field ID
135:
                                </label>
136:
                                <innut
137:
                                  type="text"
138:
                                  className="w-full border rounded px-3 py-2"
                                  value={localFields[index]?.id ?? ""}
139:
140:
                                  onChange={(e) =>
141:
                                    updateLocalField(index, "id", e.target.value)
142:
143:
                                />
144:
                              </div>
145:
147:
                                <label className="text-sm font-medium">Label</label>
148:
                                <input
149:
                                  type="text"
150:
                                  className="w-full border rounded px-3 py-2"
151:
                                  value={localFields[index]?.label ?? ""}
152:
                                  onChange={(e) =>
153:
                                    updateLocalField(index, "label", e.target.value)
                                  }
154:
155:
                                />
156:
                              </div>
157:
158:
                              <div>
159:
                                <label className="text-sm font-medium">
160:
                                 Category
161:
                                </label>
162:
                                <select
                                  className="w-full border rounded px-3 py-2"
163:
164:
                                  value={localFields[index]?.category ?? ""}
165:
                                  onChange={(e) =>
166:
                                    updateLocalField(
167:
                                      index,
168:
                                      "category",
169:
                                      e.target.value
170:
                                  }
171:
172:
173:
                                  <option value="">? None ?</option>
174:
                                  {categories.map((cat, i) => (
175:
                                    <option key={i} value={cat}>
176:
                                      {cat}
177:
                                    </option>
178:
                                  ))}
179:
                                </select>
180:
                              </div>
181:
182:
                              <div>
183:
                                <label className="text-sm font-medium">
```

```
184:
                                  Min Score
185:
                                </label>
186:
                                <input
187:
                                  type="number"
                                  min="1"
188:
                                  max="20"
189:
                                  className="w-full border rounded px-3 py-2"
190:
191:
                                  value={localFields[index]?.min ?? ""}
192:
                                  onChange={(e) =>
                                    updateLocalField(
193:
194:
                                      index,
195:
                                      "min",
196:
                                      e.target.value === ""
197:
                                        ? undefined
198:
                                        : parseInt(e.target.value)
199:
200:
                                  }
201:
                                />
                              </div>
202:
203:
204:
                              <div>
205:
                                <label className="text-sm font-medium">
206:
                                  Max Score
207:
                                </label>
208:
                                <input
209:
                                  type="number"
210:
                                  min="1"
                                  max="20"
211:
212:
                                  className="w-full border rounded px-3 py-2"
213:
                                  value={localFields[index]?.max ?? ""}
214:
                                  onChange={(e) =>
215:
                                    updateLocalField(
216:
                                      index.
217:
                                      "max",
                                      e.target.value === ""
218:
219:
                                        ? undefined
220:
                                         : parseInt(e.target.value)
221:
222:
                                  }
223:
                                />
224:
                              </div>
225:
226:
227:
                                <label className="text-sm font-medium">
228:
                                  High Recommendation
229:
                                </label>
230:
                                <textarea
231:
                                  rows={3}
                                  className="w-full border rounded px-3 py-2"
232:
233:
                                  value={localFields[index]?.high ?? ""}
234:
                                  onChange={(e) =>
235:
                                    updateLocalField(index, "high", e.target.value)
                                  }
236:
                                />
237:
238:
                              </div>
239:
240:
                              <div>
                                <label className="text-sm font-medium">
241:
242:
                                 Normal Recommendation
243:
                                </label>
244:
                                <textarea
245:
246:
                                  className="w-full border rounded px-3 py-2"
247:
                                  value={localFields[index]?.normal ?? ""}
248:
                                  onChange={(e) =>
249:
                                    updateLocalField(index, "normal", e.target.value)
250:
                                  }
                                />
251:
252:
                              </div>
253:
254:
                              <div>
                                <label className="text-sm font-medium">
255:
256:
                                  Low Recommendation
```

```
257:
                                </label>
258:
259:
                                  rows={3}
260:
                                  className="w-full border rounded px-3 py-2"
                                  value={localFields[index]?.low ?? ""}
261:
262:
                                  onChange={(e) =>
263:
                                    updateLocalField(index, "low", e.target.value)
264:
                                  }
265:
                                />
                              </div>
266:
267:
                            </div>
268:
                          </div>
                        ) }
269:
270:
                      </Draggable>
271:
                    ))}
272:
                    {provided.placeholder}
273:
                 </div>
274:
               ) }
275:
             </Droppable>
276:
           </DragDropContext>
277:
277:
        </div>
279: };
280:
281: export default AdminPanel;
```

■ File: src\components\common\LoadingSpinner.js

■ File: src\components\common\ResetAll.js

```
______
 1: import React from "react";
 2: import { toast } from "react-toastify";
 4: const ResetAll = () => {
 5: const handleReset = () => {
 6:
       const confirmReset = window.confirm(
 7:
        "?? This will erase all unsaved changes and restore the app to its default state. Continue?"
 8:
 9:
 10:
       if (!confirmReset) return;
11:
12:
       // Clear form input, config, settings
13:
       localStorage.removeItem("genomics_form_data");
       // Optionally remove other keys if added later (e.g., config, theme)
14:
15:
       // localStorage.removeItem('genomics_config');
16:
17:
      toast.success("? App state reset. Reloading...");
18:
19:
      setTimeout(() => {
 20:
         window.location.reload(); // reload default from formConfig.json
21:
        }, 1000);
 22:
     };
23:
 24:
     return (
25:
       <button
        onClick={handleReset}
 27:
         className="bg-red-600 hover:bg-red-700 text-white px-6 py-3 rounded-lg font-semibold"
 28:
 29:
         ?? Reset All
30:
       </button>
31: );
32: };
33:
34: export default ResetAll;
```

■ File: src\components\common\TabNavigation.js

```
______
 1: import { useTheme } from "../../contexts/ThemeContext";
 2:
 3: const TabNavigation = ({ activeTab, setActiveTab }) => {
 4: const { theme, toggleTheme } = useTheme();
 5:
 6:
     const tabs = [
 7:
       { id: "form", label: "? Form View" },
        { id: "admin", label: "?? Admin Panel" },
 8:
 9:
        { id: "settings", label: "?? Form Settings" },
10:
     ];
11:
12:
     return (
13:
      <div className="bg-white dark:bg-gray-800 shadow-sm border-b sticky top-0 z-10">
14:
         <div className="container mx-auto px-4">
           <div className="flex justify-between items-center py-4">
15:
16:
             <div className="flex gap-2">
17:
               {tabs.map((tab) => (}
18:
                 <button
19:
                   key={tab.id}
20:
                   className={`px-4 py-2 rounded-lg font-medium transition-all ${
21:
                     activeTab === tab.id
22:
                       ? "bg-green-600 text-white"
23:
                       : "bg-gray-200 text-gray-800 dark:bg-gray-700 dark:text-gray-100"
                   }`}
24:
25:
                   onClick={() => setActiveTab(tab.id)}
26:
                   {tab.label}
27:
28:
                 </button>
29:
               ))}
30:
             </div>
31:
             {/* Theme Toggle */}
32:
             <button
33:
34:
               onClick={toggleTheme}
               className="text-sm px-3 py-2 bg-gray-100 dark:bg-gray-700 dark:text-white rounded"
35:
36:
37:
               {theme === "dark" ? "?? Light" : "? Dark"}
38:
             </button>
39:
           </div>
40:
         </div>
41:
        </div>
42: );
43: };
44: export default TabNavigation;
```

■ File: src\components\common\Toasts.js

______ 1: import { ToastContainer } from "react-toastify"; 2: import "react-toastify/dist/ReactToastify.css"; 4: const Toasts = () => $\{$ 5: return (<ToastContainer 6: 7: position="top-right" autoClose={3000}
hideProgressBar={false} 8: 9: newestOnTop={false} 10: closeOnClick
pauseOnFocusLoss 11: 12: 13: draggable pauseOnHover 14: 15: theme="colored" 16:); 17: 18: }; 19: 20: export default Toasts;

■ File: src\components\form\InputForm.js

```
______
 1: import React, { useState, useEffect } from "react";
 2: import { useExcelExport } from "../../hooks/useExcelExport";
 3: import { useFormConfig } from "../../contexts/FormConfigContext";
 4: import { usePDFGeneration } from "../../hooks/usePDFGeneration";
 5: import { isValidScore } from "../../utils/helpers";
 6: import { toast } from "react-toastify";
 7:
 8: const LOCAL_STORAGE_KEY = "genomics_form_data";
 9:
10: const InputForm = ({ onGenerateReport, reportData }) => {
 11:
     const { state } = useFormConfig();
12:
     const { generatePDF } = usePDFGeneration();
14:
     // Try restoring from localStorage
15:
     const [formData, setFormData] = useState(() => {
16:
       try {
17:
        const stored = localStorage.getItem(LOCAL_STORAGE_KEY);
18:
         return stored ? JSON.parse(stored) : {};
19:
       } catch (e) {
 20:
         return {};
21:
 22:
     });
 23:
 24:
      const { exportToExcel } = useExcelExport();
 25:
 26:
     const [errors, setErrors] = useState({});
 27:
      // ? Save to localStorage on formData change
 28:
 29:
     useEffect(() => {
       localStorage.setItem(LOCAL_STORAGE_KEY, JSON.stringify(formData));
 30:
 31:
     }, [formData]);
32:
 33:
     const handleInputChange = (fieldId, value) => {
 34:
      const updatedValue = value.replace(/\D/g, "");
35:
       setFormData((prev) => ({
        ...prev,
 37:
         [fieldId]: updatedValue,
 38:
        }));
 39:
        setErrors((prev) => ({
40:
          ...prev,
 41:
          [fieldId]: null,
 42:
        }));
 43:
44:
 45: const validateForm = () => {
 46:
      const newErrors = {};
       state.fields.forEach((field) => {
 47:
 48:
         const value = formData[field.id];
         if (!isValidScore(value)) {
 49:
 50:
           newErrors[field.id] = "Score must be between 1 and 10";
51:
 52:
        });
53:
        setErrors(newErrors);
 54:
       return Object.keys(newErrors).length === 0;
 55:
     };
 56:
 57:
      const handleSubmit = (e) => {
58:
       e.preventDefault();
 59:
       if (validateForm()) {
 60:
         onGenerateReport(formData);
 61:
          toast.success("? Report generated and saved!");
62:
        } else {
 63:
          toast.error("? Please fix errors before submitting.");
 64:
 65:
      };
 66:
```

```
67:
      const handleDownloadPDF = () => {
 68:
         if (!reportData | | reportData.length === 0) {
 69:
           toast.warning("Please generate a report first.");
 70:
 71:
 72:
        generatePDF(reportData);
      };
 73:
 74:
 75:
       const handleClearForm = () => {
        if (window.confirm("Clear all form scores and reset saved state?")) {
 76:
 77:
          localStorage.removeItem(LOCAL_STORAGE_KEY);
 78:
           setFormData({});
 79:
           toast.info("?? Cleared saved input.");
 80:
 81:
       };
 82:
 83:
      return (
 84:
         <div className="w-full md:w-1/2 bg-white p-4 md:p-8 overflow-y-auto mobile-section">
 85:
          {/* ... header & description remain the same */}
 87:
           <form onSubmit={handleSubmit} className="space-y-3 md:space-y-4">
 88:
             <div className="grid grid-cols-1 gap-4">
 89:
               {state.fields.map((field, index) => (
                 <div
 90:
                   key={field.id}
 91:
                   className="flex flex-col md:flex-row md:items-center"
 92:
 93:
                   <label className="w-full md:w-48 text-sm font-semibold mb-1 md:mb-0">
 94:
 95:
                    {field.label}
 96:
                   </label>
 97:
                   <input
                     type="number"
 98:
                    min="1"
 99:
                    max="10"
100:
101:
                    value={formData[field.id] || ""}
102:
                     onChange={(e) => handleInputChange(field.id, e.target.value)}
103:
                     className={`border p-2 w-full md:w-20 text-center rounded
                       ${errors[field.id] ? "border-red-500" : "border-gray-300"}`}
104:
105:
106:
                   {errors[field.id] && (
107:
                     108:
                       {errors[field.id]}
109:
                     110:
                   ) }
111:
                 </div>
112:
               ))}
113:
             </div>
114:
             <div className="flex flex-col md:flex-row gap-2 mt-6">
115:
116:
               <button
117:
                type="submit"
118:
                 className="bg-green-600 hover:bg-green-700 text-white px-6 py-3 rounded-lg font-semibold"
119:
120:
                Generate Report
121:
               </button>
122:
               <button
123:
                type="button"
124:
125:
                 onClick={handleDownloadPDF}
                 className="bg-blue-600 hover:bg-blue-700 text-white px-6 py-3 rounded-lg font-semibold"
126:
127:
128:
                Download PDF
129:
               </button>
130:
131:
               <button
132:
                type="button"
133:
                 onClick={handleClearForm}
                className="bg-gray-500 hover:bg-gray-600 text-white px-6 py-3 rounded-lg font-semibold"
134:
135:
                Clear Input
136:
137:
               </button>
138:
               <but.t.on
139:
                 type="button"
```

```
140:
                onClick={() => exportToExcel(reportData)}
141:
                className="bg-yellow-500 hover:bg-yellow-600 text-white px-6 py-3 rounded-lg font-semibold"
142:
143:
                ? Export Excel
144:
              </button>
145:
            </div>
146:
          </form>
147:
       </div>
     );
148:
149: };
150:
151: export default InputForm;
```

■ File: src\components\report\PDFPreview.js

■ File: src\components\report\ReportOutput.js

```
______
 1: import React from "react";
 2: import { useFormConfig } from "../../contexts/FormConfigContext";
 3:
 4: const ReportOutput = ({ reportData }) => {
 5:
      const { state } = useFormConfig();
 6:
 7:
      // Assign color to score
 8:
     const getScoreColor = (score) => {
 9:
       if (score >= state.highThreshold) return "bg-red-600";
 10:
        if (score >= 4) return "bg-yellow-500";
        return "bg-green-600";
11:
      };
12:
13:
14:
      // Style active/inactive text
15:
      const getTextStyle = (isActive) =>
16:
        isActive ? "text-gray-900 font-semibold" : "text-gray-400";
17:
18:
      if (!reportData | | reportData.length === 0) {
19:
       return (
20:
          <div className="w-full md:w-1/2 p-4 md:p-8 mobile-section bg-gray-50">
            <div className="bg-white border border-gray-300 rounded-lg p-8 text-center text-gray-500">
              \ensuremath{\operatorname{\textsc{Fill}}} in the form and generate report to view results here.
 22:
 23:
            </div>
 24:
          </div>
 25:
        );
 26:
     }
 27:
 28:
      let currentCategory = null;
29:
 30:
     return (
 31:
        <div className="w-full md:w-1/2 p-4 md:p-8 mobile-section bg-gray-50 overflow-y-auto">
 32:
          <div className="bg-white border border-gray-300 rounded-lg shadow-sm overflow-hidden">
 33:
            {reportData.map((item, index) => {
34:
              const { field, score, showHigh, showNormal, showLow } = item;
 35:
              const isNewCategory =
 36:
                field.category && field.category !== currentCategory;
 37:
              const elements = [];
 38:
39:
              // Add category header if changed
              if (isNewCategory) {
 40:
 41:
                currentCategory = field.category;
 42:
                elements.push(
43:
                  <div
 44:
                    key={`category-${field.category}`}
                    className="bg-gray-200 px-4 py-2 font-bold text-sm text-gray-700 border-1-4 border-gray-400
 45:
 46:
 47:
                    {currentCategory}
 48:
                  </div>
 49:
                );
              }
 50:
 51:
```

```
52:
                // Add field row
 53:
                elements.push(
 54:
                  <div
 55:
                    key={field.id}
                    className="flex flex-col md:flex-row items-stretch border-b border-gray-200"
 56:
 57:
 58:
                    {/* Field Label */}
 59:
                    <div className="w-full md:w-48 px-3 py-3 text-center md:text-right bg-gray-100 md:bg-white">
 60:
                      <div className="text-xs font-bold text-gray-700 uppercase leading-tight">
 61:
                       {field.label}
 62:
                      </div>
                    </div>
 63:
 64:
                    {/* Score */}
 65:
 66:
                    <div className="w-full md:w-16 flex justify-center items-center py-3">
 67:
                      <div
                        className={`w-10 h-10 ${getScoreColor(
 68:
 69:
 70:
                        )} text-white font-bold text-lg flex items-center justify-center rounded-full`}
 71:
 72:
                        {score}
 73:
                      </div>
 74:
                    </div>
 75:
 76:
                    {/* Recommendations */}
 77:
                    <div className="flex-1 px-3 py-3 flex flex-col md:flex-row">
 78:
                      {/* High */}
 79:
                      <div className="w-full md:w-1/3 md:pr-2 mb-3 md:mb-0">
 80:
 81:
                          className={`text-xs font-bold mb-1 ${getTextStyle(
 82:
                            showHigh
 83:
                          ) } ` }
 84:
 85:
                          HIGH
 86:
                        </div>
 87:
                          className={`text-xs leading-tight ${getTextStyle(
 88:
 89:
                            showHigh
 90:
                          ) } ` }
 91:
                          {field.high.split("\n").map((line, i, arr) => (}
 92:
 93:
                            <React.Fragment key={i}>
 94:
                              {line}
 95:
                               \{i < arr.length - 1 \&\& < br /> \}
 96:
                            </React.Fragment>
 97:
                          ))}
 98:
                        </div>
 99:
                      </div>
100:
101:
                      {/* Normal */}
102:
                      <div className="w-full md:w-1/3 md:px-2 mb-3 md:mb-0">
103:
104:
                          className={`text-xs font-bold mb-1 ${getTextStyle(
105:
                            showNormal
106:
                          ) } ` }
107:
108:
                          NORMAL
109:
                        </div>
110:
                          className={`text-xs leading-tight ${getTextStyle(
111:
112:
                            showNormal
113:
                          ) } ` }
114:
115:
                          {field.normal?.split("\n").map((line, i, arr) => (
116:
                            <React.Fragment key={i}>
117:
                              {line}
                               \{i < arr.length - 1 && < br /> \}
118:
119:
                            </React.Fragment>
120:
                          ))}
121:
                        </div>
122:
                      </div>
123:
124:
                      {/* Low */}
```

```
<div className="w-full md:w-1/3 md:pl-2">
125:
126:
127:
                         className={`text-xs font-bold mb-1 ${getTextStyle(
128:
                         ) } ` }
129:
130:
                         LOW
131:
132:
                        </div>
133:
                        <div
                         className={`text-xs leading-tight ${getTextStyle(showLow)}`}
134:
135:
                          {field.low.split("\n").map((line, i, arr) => (}
136:
137:
                            <React.Fragment key={i}>
138:
                              {line}
139:
                             {i < arr.length - 1 && <br />}
140:
                            </React.Fragment>
141:
                         ))}
142:
                        </div>
                     </div>
143:
                   </div>
145:
                 </div>
146:
147:
148:
              return elements;
149:
            })}
150:
          </div>
151:
        </div>
152: );
153: };
154:
155: export default ReportOutput;
```

■ File: src\components\settings\CategoryManager.js

```
______
 1: import { useFormConfig } from '../../contexts/FormConfigContext';
 2: import { useState } from 'react';
 3:
 4: const CategoryManager = () => {
 5: const { state, dispatch } = useFormConfig();
 6: const [newCategory, setNewCategory] = useState('');
 7: const [editIndex, setEditIndex] = useState(null);
 8:
     const [editedName, setEditedName] = useState('');
 9:
10:
     const addCategory = () => {
11:
      if (!newCategory.trim()) return;
12:
       if (state.categories.includes(newCategory)) return;
       dispatch({ type: 'ADD_CATEGORY', name: newCategory.trim() });
13:
14:
       setNewCategory('');
15:
     };
16:
17: const startEdit = (i, name) => {
     setEditIndex(i);
18:
19:
        setEditedName(name);
     };
20:
 21:
22:
     const confirmEdit = () => {
 23:
      if (!editedName.trim()) return;
       dispatch({ type: 'UPDATE_CATEGORY', index: editIndex, newName: editedName.trim() });
 24:
       setEditIndex(null);
 26:
       setEditedName('');
 27:
     };
 28:
      const deleteCategory = (i) => \{
 29:
 30:
      if (window.confirm('Remove this category?')) {
31:
          dispatch({ type: 'DELETE_CATEGORY', index: i });
 32:
        }
     };
33:
34:
 35:
 36:
      <div className="mt-10 border-t pt-6">
 37:
          <h3 className="text-xl font-semibold mb-4">?? Category Manager</h3>
```

```
38:
 39:
           <div className="flex gap-2 mb-4">
 40:
             <input
 41:
               type="text"
               className="border px-3 py-2 rounded w-full"
 42:
 43:
               placeholder="New category name"
 44:
               value={newCategory}
 45:
               onChange={(e) => setNewCategory(e.target.value)}
 46:
 47:
             <but.t.on
 48:
               onClick={addCategory}
               className="bg-green-600 hover:bg-green-700 text-white px-4 py-2 rounded"
 49:
 50:
 51:
               ? Add
 52:
             </button>
 53:
           </div>
 54:
 55:
           <div className="space-y-3">
 56:
             {state.categories.map((cat, i) => (
 57:
 58:
                 key={i}
 59:
                 className="flex items-center justify-between bg-white border p-3 rounded"
 60:
 61:
                 {editIndex === i ? (
 62:
                     <input
 63:
 64:
                       type="text"
                       className="border px-2 py-1 rounded w-full mr-2"
 65:
                       value={editedName}
 66:
 67:
                       onChange={(e) => setEditedName(e.target.value)}
 68:
                     />
 69:
                     <button
 70:
                       onClick={confirmEdit}
 71:
                       className="bg-blue-600 text-white px-3 py-1 rounded"
 72:
 73:
 74:
                     </button>
 75:
                   </>
 76:
                 ) : (
 77:
                   <>
 78:
                     <span>{cat}</span>
 79:
                     <div className="flex gap-2">
 80:
                       <button
 81:
                         onClick={() => startEdit(i, cat)}
 82:
                         className="text-blue-600 hover:underline"
 83:
 84:
                         ?? Edit
 85:
                       </button>
 86:
 87:
                         onClick={() => deleteCategory(i)}
 88:
                         className="text-red-600 hover:underline"
 89:
 90:
                         ?? Delete
 91:
                       </button>
 92:
                     </div>
 93:
                   </>
 94:
                 ) }
 95:
               </div>
 96:
             ))}
 97:
           </div>
 98:
         </div>
 99:
     );
100: };
101:
102: export default CategoryManager;
```

■ File: src\components\settings\SettingsPanel.js

```
1: import React, { useState, useRef } from "react";
2: import { useFormConfig } from "../../contexts/FormConfigContext";
3: import { useConfigImportExport } from "../../hooks/useConfigImportExport";
```

```
4: import { toast } from "react-toastify";
5: import ResetAll from "../common/ResetAll";
6: import CategoryManager from "./CategoryManager";
7:
8: const SettingsPanel = () => {
9: const { state, dispatch } = useFormConfig();
10:
11:
     // Internal editable state
12:
     const [settings, setSettings] = useState({
       title: state.title,
13:
14:
       quote: state.quote,
15:
       description: state.description,
       headerColor: state.headerColor,
16:
17:
       highThreshold: state.highThreshold,
18:
       colors: {
19:
        low: state.colors.low,
20:
         medium: state.colors.medium,
21:
         high: state.colors.high,
      },
22:
23:
     });
24:
25:
     const fileInputRef = useRef(null);
26:
     const { exportConfig, importConfig } = useConfigImportExport();
27:
28:
     const handleImportClick = () => {
29:
      fileInputRef.current?.click();
30:
31:
32:
     const handleFileSelected = (e) => {
33:
      const file = e.target.files?.[0];
34:
       if (!file | | !file.name.endsWith(".json")) {
35:
          toast.error("Please upload a valid JSON file.");
36:
         return;
37:
38:
       importConfig(file);
39:
       e.target.value = ""; // reset input
40:
41:
42:
     // Change handlers
     const handleChange = (key, value) => {
43:
44:
       setSettings((prev) => ({
45:
         ...prev,
46:
         [key]: value,
47:
       }));
48:
     };
49:
50:
     const handleColorChange = (level, value) => {
51:
      setSettings((prev) => ({
52:
         ...prev,
53:
          colors: {
54:
           ...prev.colors,
55:
           [level]: value,
         },
56:
57:
       }));
58:
     };
59:
60:
     // Apply changes to context
61:
     const applySettings = () => {
62:
       dispatch({ type: "UPDATE_SETTINGS", settings });
63:
       alert("? Settings applied successfully!");
64:
     };
65:
66:
     // Reset to initial/default config
67:
     const resetSettings = () => {
       if (
68:
69:
         window.confirm("Are you sure you want to reset all settings to default?")
70:
        ) {
71:
          window.location.reload(); // simplest way to reload JSON state
72:
73:
     };
74:
75:
     return (
76:
        <div className="max-w-4xl mx-auto px-4 py-8">
```

```
77:
           <h2 className=" bq-white text-2xl font-bold mb-6">?? Form Customization</h2>
 78:
 79:
           <div className="grid grid-cols-1 md:grid-cols-2 gap-6">
 :08
             {/* Left Section */}
 81:
             <div className="bg-white rounded-lg shadow-sm p-6 space-y-4">
 82:
               <h3 className="text-lg font-semibold">? Header Info</h3>
 83:
 84:
               <div>
 85:
                 <label className="block text-sm font-medium mb-1">Main Title</label>
 86:
                 <input.
                   type="text"
 87:
 88:
                   value={settings.title}
 89:
                   onChange={(e) => handleChange("title", e.target.value)}
 90:
                   className="w-full border rounded px-3 py-2"
 91:
                />
 92:
               </div>
 93:
 94:
               <div>
 95:
                <label className="block text-sm font-medium mb-1">Quote</label>
 96:
                <textarea
 97:
                  rows={2}
 98:
                  value={settings.quote}
 99:
                   onChange={(e) => handleChange("quote", e.target.value)}
100:
                  className="w-full border rounded px-3 py-2"
101:
                 />
               </div>
102:
103:
               <div>
104:
                <label className="block text-sm font-medium mb-1">
105:
106:
                  Description
107:
                 </label>
108:
                 <textarea
109:
                  rows={4}
                  value={settings.description}
110:
                  onChange={(e) => handleChange("description", e.target.value)}
111:
112:
                  className="w-full border rounded px-3 py-2"
                />
113:
               </div>
114:
115:
116:
              <div>
117:
                 <label className="block text-sm font-medium mb-1">
118:
                  Header Background Color
119:
                </label>
120:
                <input
121:
                  type="color"
122:
                   value={settings.headerColor}
123:
                  onChange={(e) => handleChange("headerColor", e.target.value)}
124:
                  className="h-10 w-full border rounded"
125:
                 />
126:
               </div>
127:
            </div>
128:
129:
            {/* Right Section */}
130:
            <div className="bg-white rounded-lg shadow-sm p-6 space-y-4">
131:
               <h3 className="text-lg font-semibold">? Score Logic</h3>
132:
133:
              <div>
134:
                <label className="block text-sm font-medium mb-1">
135:
                  High Score Threshold (?)
136:
                 </label>
137:
                 <input
138:
                  type="number"
139:
                  min="1"
140:
                   max="10"
                  value={settings.highThreshold}
141:
142:
                  onChange={(e) =>
                    handleChange("highThreshold", parseInt(e.target.value))
143:
144:
145:
                   className="w-full border rounded px-3 py-2"
                />
146:
147:
               </div>
148:
149:
               <h3 className="text-lg font-semibold mt-6">? Score Colors</h3>
```

```
150:
151:
               <div className="space-y-2">
152:
                <div>
                   <label className="block text-sm font-medium mb-1">High</label>
153:
154:
                   <input
155:
                    type="color"
156:
                     value={settings.colors.high}
157:
                    onChange={(e) => handleColorChange("high", e.target.value)}
158:
                    className="h-10 w-full border rounded"
                   />
159:
                 </div>
160:
161:
162:
                 <div>
163:
                   <label className="block text-sm font-medium mb-1">Medium</label>
164:
165:
                     type="color"
166:
                    value={settings.colors.medium}
167:
                    onChange={(e) => handleColorChange("medium", e.target.value)}
                    className="h-10 w-full border rounded"
168:
169:
                </div>
170:
171:
172:
                 <div>
173:
                   <label className="block text-sm font-medium mb-1">Low</label>
174:
                   <input
                    type="color"
175:
176:
                     value={settings.colors.low}
                     onChange={(e) => handleColorChange("low", e.target.value)}
177:
                    className="h-10 w-full border rounded"
178:
179:
                   />
                 </div>
180:
181:
               </div>
            </div>
182:
           </div>
183:
184:
185:
          {/* Buttons */}
           <div className="mt-6 flex gap-4">
186:
187:
            <button
188:
              onClick={applySettings}
              className="bq-green-600 hover:bq-green-700 text-white px-6 py-3 rounded-lq font-semibold"
189:
190:
191:
             ? Apply Settings
192:
            </button>
193:
            <button
194:
             onClick={resetSettings}
195:
              className="bg-gray-600 hover:bg-gray-700 text-white px-6 py-3 rounded-lg font-semibold"
196:
197:
              ?? Reset to Default
198:
            </button>
199:
             <button
             onClick={exportConfig}
200:
              className="bg-blue-600 hover:bg-blue-700 text-white px-6 py-3 rounded-lg font-semibold"
201:
202:
203:
              ? Export Config (.json)
204:
            </button>
205:
206:
             <button
207:
             onClick={handleImportClick}
208:
              className="bg-purple-600 hover:bg-purple-700 text-white px-6 py-3 rounded-lg font-semibold"
209:
210:
              ? Import Config (.json)
211:
             </button>
212:
             <div className="mt-6">
213:
              <ResetAll />
214:
            </div>
215:
216:
            <input
217:
              type="file"
218:
              accept=".json"
219:
              ref={fileInputRef}
220:
              className="hidden"
221:
              onChange={handleFileSelected}
222:
```

■ File: src\contexts\FormConfigContext.js

```
______
 1: import React, { createContext, useContext, useReducer, useEffect } from "react";
 2: import initialConfig from "../data/formConfig.json";
 4: const LOCAL_STORAGE_KEY = "genomics_config";
 5:
 6: const formConfigReducer = (state, action) => {
 7: switch (action.type) {
 8:
      case "ADD_FIELD":
 9:
         return { ...state, fields: [...state.fields, action.field] };
10:
11:
      case "UPDATE_FIELD":
        if (action.property === "full") {
12:
13:
           return {
14:
              ...state,
             fields: state.fields.map((field, i) =>
16:
               i === action.index ? action.value : field
17:
              ),
18:
           };
19:
         }
 20:
         return {
21:
22:
           ...state,
            fields: state.fields.map((field, i) =>
23:
24:
            i === action.index ? { ...field, [action.property]: action.value } : field
25:
         };
26:
27:
28:
       case "DELETE_FIELD":
 29:
        return { ...state, fields: state.fields.filter((_, i) => i !== action.index) };
30:
 31:
       case "REORDER_FIELDS":
32:
         return { ...state, fields: action.fields };
33:
34:
       case "UPDATE_SETTINGS":
 35:
        return { ...state, ...action.settings };
 36:
37:
       case "IMPORT_CONFIG":
38:
        return { ...action.config };
39:
 40:
       case "ADD_CATEGORY":
 41:
         return { ...state, categories: [...state.categories, action.name] };
42:
       case "UPDATE_CATEGORY":
 43:
44:
        return {
 45:
            ...state,
46:
            categories: state.categories.map((cat, i) =>
 47:
            i === action.index ? action.newName : cat
 48:
 49:
           fields: state.fields.map((field) =>
50:
             field.category === state.categories[action.index]
               ? { ...field, category: action.newName }
51:
 52:
53:
           ),
54:
         };
55:
       case "DELETE_CATEGORY":
56:
 57:
         return {
 58:
           ...state,
 59:
            categories: state.categories.filter((_, i) => i !== action.index),
```

```
60:
          fields: state.fields.map((field) =>
61:
             field.category === state.categories[action.index]
62:
               ? { ...field, category: "" }
63:
               : field
64:
           ),
         };
65:
66:
67:
      default:
68:
         return state;
69: }
70: };
71:
72: const FormConfigContext = createContext(null);
73:
74: export const FormConfigProvider = ({ children }) => {
75: const stored = localStorage.getItem(LOCAL_STORAGE_KEY);
    const parsed = stored ? JSON.parse(stored) : initialConfig;
76:
77:
    const [state, dispatch] = useReducer(formConfigReducer, parsed);
78:
79:
80: useEffect(() => {
81:
      localStorage.setItem(LOCAL_STORAGE_KEY, JSON.stringify(state));
82:
     }, [state]);
83:
84: return (
85:
      <FormConfigContext.Provider value={{ state, dispatch }}>
86:
         {children}
      </FormConfigContext.Provider>
87:
88: );
89: };
90:
91: export const useFormConfig = () => {
92: const context = useContext(FormConfigContext);
93: if (!context) throw new Error("useFormConfig must be used within a FormConfigProvider");
94: return context;
95: };
```

■ File: src\contexts\ThemeContext.js

```
______
 1: import React, { createContext, useEffect, useState, useContext } from "react";
 2:
 3: const ThemeContext = createContext();
 4:
 5: export const ThemeProvider = ({ children }) => {
 6: const [theme, setTheme] = useState("light");
 7:
 8: useEffect(() => {
     const stored = localStorage.getItem("theme");
 9:
      if (stored === "dark") {
10:
       document.documentElement.classList.add("dark");
12:
        setTheme("dark");
13:
       }
14:
    }, []);
15:
     const toggleTheme = () => {
16:
     const nextTheme = theme === "dark" ? "light" : "dark";
17:
18:
       setTheme(nextTheme);
       localStorage.setItem("theme", nextTheme);
19:
20:
       document.documentElement.classList.toggle("dark");
21: };
22:
23:
     return (
      <ThemeContext.Provider value={{ theme, toggleTheme }}>
24:
25:
         {children}
26:
       </ThemeContext.Provider>
27:
     );
28: };
29:
30: export const useTheme = () => useContext(ThemeContext);
```

■ File: src\data\formConfig.json

```
-----
 1: {
 2:
      "title": "GENOMICS & DIET",
      "quote": "\"YOU ARE WHAT YOU EAT\" - Victor Lindlahr",
 3:
 4:
      "description": "A right diet is the one that makes you feel happy, keeps you healthy, does not make you f
 5:
      "headerColor": "#16a34a",
 6:
      "colors": {
 7:
        "low": "#16a34a",
        "medium": "#f59e0b",
 8:
 9:
        "high": "#dc2626"
10:
11:
      "highThreshold": 6,
      "categories": ["MACRONUTRIENTS", "MEAL PATTERN", "FOOD SENSITIVITIES"],
12:
13:
      "fields": [
14:
       {
          "id": "carb",
15:
16:
          "label": "Carbohydrate Sensitivity",
          "category": "MACRONUTRIENTS",
17:
18:
          "min": 1,
19:
          "max": 10,
20:
          "high": "Maintain carb intake <45%\nFor obesity & IR control",
21:
          "normal": "Maintain carb intake <50%\nBalanced recommendation",
          "low": "Maintain carb intake <60%\nFor obesity & IR control"
22:
23:
        },
24:
25:
          "id": "fat",
          "label": "Fat Sensitivity",
26:
27:
          "category": "MACRONUTRIENTS",
28:
          "min": 1,
29:
          "max": 10,
30:
          "high": "Fat intake not to exceed\n15% of total calories",
          "normal": "Fat intake should be \n20\% of total calories",
31:
          "low": "Fat intake advised up to\n25% of total calories"
       },
33:
34:
        {
          "id": "protein",
35:
          "label": "Protein Requirement",
36:
37:
          "category": "MACRONUTRIENTS",
38:
          "min": 1,
39:
          "max": 15,
          "high": "Protein supplements\nneeded along with dietary\nsource",  
40:
          "normal": "Maintain adequate protein\nthrough balanced diet and\noccasional supplements",
42:
          "low": "Protein supplements not\nneeded, intake through\ndiet is enough"
43:
        },
44:
        {
45:
          "id": "meal",
46:
          "label": "Meal Frequency",
          "category": "MEAL PATTERN",
47:
48:
          "min": 1,
          "max": 10,
49:
50:
          "high": "4-5 small meals suggested\nin a day",
51:
          "normal": "3-4 balanced meals\nrecommended per day",
52:
          "low": "Less frequent meals, 2-3\nmeals are enough in a day"
53:
54:
          "id": "alcohol",
55:
          "label": "Alcohol Sensitivity",
56:
57:
          "category": "",
          "min": 1,
58:
59:
          "max": 6,
60:
          "high": "High sensitivity, avoid\nalcohol if possible,\nespecially the types of\nbeverages that trigg
61:
          "normal": "Moderate sensitivity, \nlimit alcohol consumption\nto 1-2 drinks per day, \nmonitor for any
62:
          "low": "Low sensitivity, know\nyour alcohol intake limits,\nconsult doctor for\nknowing your upper li
63:
64:
       {
          "id": "caffeine",
65:
66:
          "label": "Caffeine Sensitivity",
67:
          "category": "",
68:
          "min": 1,
69:
          "max": 5,
70:
          "high": "High sensitivity, do not\nconsume >4 cups/day",
71:
          "normal": "Moderate sensitivity, \nlimit caffeine to 4-5\ncups per day",
```

```
72:
           "low": "Caffeine up to 5 cups a \nday can be consumed"
 73:
         },
 74:
           "id": "gluten",
 75:
 76:
           "label": "Gluten Sensitivity",
 77:
           "category": "FOOD SENSITIVITIES",
 78:
           "min": 1,
 79:
           "max": 10,
 :08
           "high": "Gluten intake needs to be\nreduced/stopped",
           "normal": "Monitor gluten intake,\nreduce if experiencing\ndigestive issues",
 81:
           "low": "Gluten to be avoided in\ncases of gastric distress"
 82:
 83:
        },
 84:
           "id": "lactose",
 25:
 86:
           "label": "Lactose Sensitivity",
 87:
           "category": "FOOD SENSITIVITIES",
 88:
           "min": 1,
 89:
           "max": 10,
           "high": "Milk & milk products need\nto be avoided",
 90:
 91:
           "normal": "Limit milk & milk products,\nconsider lactose-free\nalternatives if needed",
           "low": "Milk or milk products to \nbe avoided in gastric \ndistress"
 92:
 93:
         },
 94:
 95:
           "id": "salt",
           "label": "Salt Sensitivity",
 96:
           "category": "",
 97:
 98:
           "min": 1.
           "max": 8,
99:
           "high": "Try to reduce overall salt\nintake to up to 3-5 gm per\nday",
101:
           "normal": "Maintain salt intake\naround 5 gm per day",
102:
           "low": "Consumption of salt up to\n5 gm/day can be done"
103:
104: ]
105: }
```

■ File: src\hooks\useConfigImportExport.js

```
______
 1: import { useCallback } from "react";
 2: import { useFormConfig } from "../contexts/FormConfigContext";
 3:
 4: export const useConfigImportExport = () => {
 5: const { state, dispatch } = useFormConfig();
 6:
 7:
     const exportConfig = useCallback(() => {
 8:
      const dataStr = JSON.stringify(state, null, 2);
 9:
       const blob = new Blob([dataStr], { type: "application/json" });
10:
       const url = URL.createObjectURL(blob);
11:
       const link = document.createElement("a");
12:
       link.href = url;
14:
       link.download = "genomics-form-config.json";
15:
        link.click();
16:
        URL.revokeObjectURL(url);
     }, [state]);
17:
18:
19:
     const importConfig = useCallback(
 20:
      (file) => {
21:
         const reader = new FileReader();
 22:
         reader.onload = (e) => {
 23:
 24:
             const parsed = JSON.parse(e.target.result);
 25:
             dispatch({ type: "IMPORT_CONFIG", config: parsed });
 26:
             alert("Configuration imported successfully.");
 27:
            } catch (err) {
             alert("Error importing config: " + err.message);
28:
 29:
          };
30:
 31:
         reader.readAsText(file);
 32:
 33:
       [dispatch]
 34:
     );
```

```
35:
36: return { exportConfig, importConfig };
37: };
```

■ File: src\hooks\useExcelExport.js

```
______
 1: import * as XLSX from "xlsx";
 2:
 3: export const useExcelExport = () => {
 4: const exportToExcel = (reportData) => {
 5:
       if (!reportData | | reportData.length === 0) {
 6:
         alert("No report data to export.");
 7:
         return;
       }
 8:
 9:
 10:
       const exportRows = reportData.map((item) => {
         const { field, score, showHigh, showNormal, showLow } = item;
11:
         let recommendation = "";
13:
 14:
         if (showHigh) recommendation = field.high;
15:
         else if (showNormal) recommendation = field.normal;
16:
         else if (showLow) recommendation = field.low;
17:
18:
        return {
19:
           Field: field.label,
           Category: field.category | "Uncategorized",
20:
 21:
           Score: score,
 22:
           Recommendation: recommendation.replace(/\n/g, " "),
 23:
         };
 24:
        });
 25:
        const worksheet = XLSX.utils.json_to_sheet(exportRows);
        const workbook = XLSX.utils.book_new();
 27:
        XLSX.utils.book_append_sheet(workbook, worksheet, "Genomics Report");
 29:
30:
        XLSX.writeFile(workbook, "genomics_diet_report.xlsx");
31:
      };
 32:
33:
      return { exportToExcel };
34: };
```

■ File: src\hooks\usePDFGeneration.js

```
______
 1: import { useCallback } from "react";
 2: import { jsPDF } from "jspdf";
3: import { useFormConfig } from "../contexts/FormConfigContext";
 4: import { hexToRgb } from "../utils/helpers";
 6: export const usePDFGeneration = () => {
 7:
     const { state } = useFormConfig();
 8:
     // Base64 logo (optional)
 9:
 10: const leftLogoUrl = "/left.png";
     const rightLogoUrl = "/right.png";
11:
 12:
     const generatePDF = useCallback(
13:
14:
      (reportData) => {
15:
         if (!reportData | | reportData.length === 0) {
16:
           alert("No report data found.");
17:
           return;
         }
18:
19:
20:
         const doc = new jsPDF();
 21:
         const pageHeight = doc.internal.pageSize.height;
22:
         const pageWidth = doc.internal.pageSize.width;
23:
         const margin = 10;
 24:
         let y = 20;
 25:
 26:
          // -----
```

```
27:
          // Header section
28:
          // -----
29:
          doc.setFillColor(...hexToRgb(state.headerColor));
          doc.rect(margin, y, pageWidth - margin * 2, 20, "F");
30:
31:
         doc.setTextColor(255, 255, 255);
32:
         doc.setFontSize(16);
33:
         doc.setFont(undefined, "bold");
34:
         doc.text(state.title, pageWidth / 2, y + 13, { align: "center" });
35:
         y += 30;
36:
37:
         // Quote
         doc.setTextColor(0, 0, 0);
38:
39:
         doc.setFontSize(11);
         doc.setFont(undefined, "bold");
40:
41:
         doc.text(state.quote, pageWidth / 2, y, { align: "center" });
42:
         y += 10;
43:
44:
         // Description
         doc.setFont(undefined, "normal");
45:
         doc.setFontSize(10);
47:
         const descLines = doc.splitTextToSize(
48:
           state.description,
49:
           pageWidth - 2 * margin
50:
         );
51:
         doc.text(descLines, margin, y);
         y += descLines.length * 5 + 5;
52:
53:
54:
         let currentCategory = null;
55:
56:
         reportData.forEach((item, index) => {
57:
           const { field, score, showHigh, showNormal, showLow } = item;
58:
59:
           // Insert page break if needed
           const estimatedFieldHeight = 40; // Rough estimate
60:
           if (y + estimatedFieldHeight > pageHeight - 20) {
61:
62:
             doc.addPage();
63:
             y = 20;
64:
65:
            // Render category title if needed
66:
67:
            if (field.category && field.category !== currentCategory) {
             currentCategory = field.category;
68:
69:
             doc.setFontSize(12);
             doc.setFont(undefined, "bold");
70:
71:
             doc.setTextColor(50, 50, 50);
72:
             doc.text(currentCategory, margin, y);
73:
             y += 8;
74:
75:
76:
            // Field Label
77:
           doc.setFontSize(10);
           doc.setFont(undefined, "bold");
78:
79:
           doc.setTextColor(0, 0, 0);
           doc.text(field.label, margin, y);
:08
81:
           y += 6;
82:
           // Score Circle
83:
84:
           const circleX = margin + 5;
85:
           doc.setDrawColor(0);
86:
            const rgb =
87:
             score >= state.highThreshold
88:
               ? hexToRgb(state.colors.high)
89:
                : score >= 4
90:
                ? hexToRgb(state.colors.medium)
91:
                : hexToRgb(state.colors.low);
92:
            doc.setFillColor(...rgb);
93:
94:
           doc.circle(circleX, y + 5, 4, "FD");
95:
            doc.setTextColor(255, 255, 255);
96:
           doc.setFontSize(8);
97:
           doc.text(String(score), circleX, y + 6, { align: "center" });
98:
99:
           y += 12;
```

```
100:
101:
           // Render matching text
102:
           const renderTextBlock = (label, text, active) => {
              if (!text) return;
103:
104:
              doc.setFontSize(9);
105:
              doc.setFont(undefined, "bold");
106:
              doc.setTextColor(
107:
                active ? 0 : 180,
108:
                active ? 0 : 180,
                active ? 0 : 180
109:
110:
              doc.text(`${label}:`, margin, y);
111:
112:
              y += 5;
113:
114:
              doc.setFont(undefined, "normal");
115:
              const lines = doc.splitTextToSize(text, pageWidth - 2 * margin);
              lines.forEach((line) => {
116:
117:
                if (y + 6 > pageHeight - 15) {
                  doc.addPage();
118:
119:
                  y = 20;
                }
120:
121:
                doc.text(line, margin, y);
122:
                y += 5;
123:
              });
124:
              y += 2;
             };
125:
126:
            renderTextBlock("HIGH", field.high, showHigh);
127:
           renderTextBlock("NORMAL", field.normal, showNormal);
129:
           renderTextBlock("LOW", field.low, showLow);
130:
131:
            y += 4;
132:
          });
133:
134:
          // Footer (optional logos)
135:
          const addLogos = () => {
136:
            try {
              doc.addImage(leftLogoUrl, "PNG", 10, pageHeight - 20, 30, 10);
137:
138:
             doc.addImage(
139:
                rightLogoUrl,
140:
                "PNG",
141:
                pageWidth - 40,
                pageHeight - 20,
                30,
143:
144:
                10
              );
145:
146:
            } catch (e) {
147:
              console.warn("Logo failed to load. Skipping...");
148:
149:
           };
150:
          addLogos();
151:
152:
          // Save file
153:
          doc.save("genomics-diet-report.pdf");
154:
155:
        [state]
156:
     );
157:
      return { generatePDF };
159: };
```

■ File: src\hooks\useReportGeneration.js

```
1: import { useState, useCallback } from 'react';
2: import { useFormConfig } from '../contexts/FormConfigContext';
3: import { isValidScore } from '../utils/helpers';
4:
5: /**
6: * Hook: useReportGeneration
7: * Transforms form input into structured report data based on score thresholds
8: */
```

```
9: export const useReportGeneration = () => {
10: const { state } = useFormConfig(); // Get field config and settings from context
11:
     const [reportData, setReportData] = useState([]);
12:
13:
     * generateReport
14:
      * @param {Object} formData - { fieldId: score }
15:
16:
17:
     const generateReport = useCallback((formData) => {
18:
       const processedData = [];
19:
20:
       // Loop through all fields from config
21:
       state.fields.forEach((field) => {
22:
         const rawValue = formData[field.id];
         const score = parseInt(rawValue);
23:
24:
        if (!isValidScore(score)) {
25:
26:
           return; // Skip invalid scores
27:
28:
29:
         // Determine logic: high / normal / low
30:
         const isHigh = score >= state.highThreshold;
31:
         const isNormal = score >= 4 && score < state.highThreshold;</pre>
32:
         const isLow = score < 4;</pre>
33:
       processedData.push({
34:
          field, // full field config
35:
                        // numeric score
36:
           score,
          showHigh: isHigh,
37:
38:
          showNormal: isNormal,
39:
           showLow: isLow,
        });
40:
       });
41:
42:
       // Update state
43:
44:
       setReportData(processedData);
45:
46:
      // Return for immediate use
47:
      return processedData;
48:
    }, [state.fields, state.highThreshold]);
49:
50: return { reportData, generateReport };
51: };
```

■ File: src\index.css

```
______
 1: /* Tailwind's base styles */
 2: @tailwind base;
 3: @tailwind components;
 4: @tailwind utilities;
 5:
 6: /* Custom global styles */
 7: @layer base {
 8: /* HTML transition for smooth dark mode switching */
 9: html {
10:
     transition: background-color 0.3s ease, color 0.3s ease;
11:
12:
13:
     /* Body settings for light and dark mode */
14:
15:
      @apply bg-white text-gray-900 dark:bg-gray-900 dark:text-white; /* Global body colors */
16:
17:
18:
     /* Customizations for links */
19:
     a {
20:
       @apply text-blue-600 dark:text-blue-400; /* Links: light mode blue, dark mode lighter blue */
21:
22:
23:
      /* Buttons with default light/dark mode background */
24:
     button {
25:
       @apply bg-gray-300 dark:bg-gray-700 text-gray-800 dark:text-gray-100; /* Default button styles */
```

```
26:
     }
27:
     /* Background color for any white-background elements */
28:
29:
       @apply dark:bg-gray-900; /* Switches background color to dark mode */
30:
31:
32:
33:
     /* Text color for general text */
34:
     .text-gray-900 {
       @apply dark:text-white; /* Changes text color to white in dark mode */
35:
36:
37:
38:
     /* Form elements: inputs, textareas, and selects */
39:
     input,
40:
     textarea.
41:
     select {
42:
      @apply bg-white dark:bg-gray-800 text-black dark:text-white border dark:border-gray-700;
43:
44:
     /* Focused state of inputs, textareas, and selects */
45:
46:
     input:focus,
47:
     textarea:focus,
48:
     select:focus {
       @apply ring-2 ring-blue-500 dark:ring-blue-300;
49:
50:
51:
52:
     /* Global font and smoothing */
53:
     body {
54:
      margin: 0;
55:
       font-family: -apple-system, BlinkMacSystemFont, "Segoe UI", "Roboto",
          "Oxygen", "Ubuntu", "Cantarell", "Fira Sans", "Droid Sans",
56:
57:
          "Helvetica Neue", sans-serif;
58:
       -webkit-font-smoothing: antialiased;
59:
       -moz-osx-font-smoothing: grayscale;
60:
     }
61:
     /* Code styles for code blocks */
62:
63:
     code {
64:
      font-family: source-code-pro, Menlo, Monaco, Consolas, "Courier New",
65:
         monospace;
66:
67:
68:
     /* Global styling for text input elements */
69:
     input[type="text"],
70:
     input[type="number"],
71:
     input[type="email"],
72:
     textarea,
73:
     select {
       @apply border-2 rounded-lg p-2 dark:border-gray-600;
74:
75:
76:
     /* Button hover and focus states */
77:
78:
     button:hover {
79:
      @apply bg-gray-200 dark:bg-gray-700; /* Darker button on hover */
:08
81:
     /* Ensuring links are visible in dark mode */
82:
83:
     .text-blue-600 {
84:
       @apply dark:text-blue-400; /* Light blue in normal mode, changes to darker in dark mode */
85:
86:
87:
     /* Customize card elements for dark mode */
88:
     .card {
89:
       @apply bg-white dark:bg-gray-800 text-black dark:text-white border dark:border-gray-700;
90:
91:
     /* Customize borders */
92:
93:
     .border-gray-300 {
94:
        @apply dark:border-gray-600; /* Change border color in dark mode */
95:
96:
97:
     /* Ensure smooth transitions when toggling dark/light mode */
98:
      .transition-all {
```

```
transition: all 0.3s ease; /* Apply smooth transitions */
100:
101: }
______
■ File: src\index.js
______
 1: import React from 'react';
 2: import ReactDOM from 'react-dom/client';
 3: import './index.css';
 4: import App from './App';
 5: import reportWebVitals from './reportWebVitals';
 6:
 7: const root = ReactDOM.createRoot(document.getElementById('root'));
 8: root.render(
 9: <React.StrictMode>
10:
      <App />
11: </React.StrictMode>
12: );
13:
14: // If you want to start measuring performance in your app, pass a function
15: // to log results (for example: reportWebVitals(console.log))
16: // or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
17: reportWebVitals();
 _____
■ File: src\logo.svg
______
<svg xmlns="http://www.w3.org/2000/svg" viewBox="0 0 841.9 595.3"><g fill="#61DAFB"><path d="M666.3 296.5c0-32.5</pre>
■ File: src\reportWebVitals.js
 1: const reportWebVitals = onPerfEntry => {
 2: if (onPerfEntry && onPerfEntry instanceof Function) {
 3:
     import('web-vitals').then(({ getCLS, getFID, getFCP, getLCP, getTTFB }) => {
     getCLS(onPerfEntry);
 4:
       getFID(onPerfEntry);
getFCP(onPerfEntry);
 5:
 6:
      getLCP(onPerfEntry);
 7:
 8:
       getTTFB(onPerfEntry);
 9:
      });
10: }
11: };
12:
13: export default reportWebVitals;
■ File: src\setupTests.js
_____
 1: // jest-dom adds custom jest matchers for asserting on DOM nodes.
 2: // allows you to do things like:
```

3: // expect(element).toHaveTextContent(/react/i) 4: // learn more: https://github.com/testing-library/jest-dom 5: import '@testing-library/jest-dom';

■ File: src\styles\index.css

■ File: src\utils\constants.js

■ File: src\utils\helpers.js

```
______
 1: // Convert HEX color to RGB array for jsPDF
 2: export function hexToRgb(hex) {
 3: const result = /^{\#?([a-f\backslash d]\{2\})([a-f\backslash d]\{2\})([a-f\backslash d]\{2\})$/i.exec(hex);}
 4: return result
 5:
      ? [
 6:
      parseInt(result[1], 16),
          parseInt(result[2], 16),
parseInt(result[3], 16)
 7:
 8:
9: ]
10: : [0, 0, 0];
11: }
12:
13: // Simple validation helper
14: export const isValidScore = (value) => {
15: const num = parseInt(value);
     return !isNaN(num) && num >= 1 && num <= 10;
17: };
```

■ File: tailwind.config.js

```
1: /** @type {import('tailwindcss').Config} */
2: module.exports = {
3:    darkMode: "class", // ? enables class-based dark mode
4:    content: ["./src/**/*.{js,jsx}"],
5:    theme: {
6:    extend: {},
7:    },
8:    plugins: [],
9: };
```
