

Small Business Cost Simulator - Complete Project Download

Ready-to-deploy React application for GitHub Pages

Quick Setup Instructions

1. Create project directory:

```
bash  
  
mkdir small-business-cost-simulator  
cd small-business-cost-simulator
```

2. Create folder structure:

```
bash  
  
mkdir -p .github/workflows  
mkdir -p public  
mkdir -p src/components
```

3. Create all files below (copy content into respective files)

4. Install and run:

```
bash  
  
npm install  
npm start
```

5. Deploy to GitHub:

```
bash  
  
git init  
git add .  
git commit -m "Initial commit: Small Business Cost Simulator"  
git branch -M main  
git remote add origin https://github.com/yourusername/small-business-cost-simulator.git  
git push -u origin main
```

6. Enable GitHub Pages:

- Go to repository Settings → Pages
- Under "Source", select "GitHub Actions"
- Your site will be live at: <https://yourusername.github.io/small-business-cost-simulator>

Complete File Structure

Root Files

package.json

json

```
{
  "name": "small-business-cost-simulator",
  "version": "1.0.0",
  "private": true,
  "homepage": "https://yourusername.github.io/small-business-cost-simulator",
  "dependencies": {
    "@testing-library/jest-dom": "^5.16.4",
    "@testing-library/react": "^13.3.0",
    "@testing-library/user-event": "^13.5.0",
    "lucide-react": "^0.263.1",
    "react": "^18.2.0",
    "react-dom": "^18.2.0",
    "react-scripts": "5.0.1",
    "recharts": "^2.7.2",
    "web-vitals": "^2.1.4"
  },
  "scripts": {
    "start": "react-scripts start",
    "build": "react-scripts build",
    "test": "react-scripts test",
    "eject": "react-scripts eject",
    "predeploy": "npm run build",
    "deploy": "gh-pages -d build"
  },
  "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"
    ]
  },
  "devDependencies": {
```

```
"gh-pages": "^4.0.0",  
"tailwindcss": "^3.3.0",  
"autoprefixer": "^10.4.14",  
"postcss": "^8.4.24"  
}  
}
```

tailwind.config.js

javascript

```
/** @type {import('tailwindcss').Config} */
module.exports = {
  content: [
    './src/**/*.js,jsx,ts,tsx',
    './public/index.html'
  ],
  theme: {
    extend: {
      animation: {
        'fade-in': 'fadeIn 0.5s ease-in-out',
        'slide-up': 'slideUp 0.3s ease-out',
      },
      keyframes: {
        fadeIn: {
          '0%': { opacity: '0' },
          '100%': { opacity: '1' },
        },
        slideUp: {
          '0%': { transform: 'translateY(20px)', opacity: '0' },
          '100%': { transform: 'translateY(0)', opacity: '1' },
        },
      },
    },
    colors: {
      primary: {
        50: '#f0fdf4',
        100: '#dcfce7',
        500: '#22c55e',
        600: '#16a34a',
        700: '#15803d',
      },
      secondary: {
        50: '#eff6ff',
        100: '#dbeafe',
        500: '#3b82f6',
        600: '#2563eb',
        700: '#1d4ed8',
      }
    }
  },
  plugins: [],
}
```

postcss.config.js

javascript

```
module.exports = {  
  plugins: {  
    tailwindcss: {},  
    autoprefixer: {},  
  },  
}
```

.gitignore

Dependencies

node_modules/

/.pnp

.pnp.js

Testing

/coverage

Production

/build

Misc

.DS_Store

.env.local

.env.development.local

.env.test.local

.env.production.local

Logs

npm-debug.log*

yarn-debug.log*

yarn-error.log*

Runtime data

pids

*.pid

*.seed

*.pid.lock

Coverage directory

coverage/

*.lcov

Dependency directories

node_modules/

jspm_packages/

Optional npm cache directory

.npm

Optional eslint cache

.eslintcache

Output of 'npm pack'

*.tgz

Yarn Integrity file

.yarn-integrity

parcel-bundler cache

.cache

.parcel-cache

Next.js build output

.next

Nuxt.js build / generate output

.nuxt

dist

Gatsby files

.cache/

public

Temporary folders

tmp/

temp/

Editor directories and files

.vscode/

.idea/

*.suo

.ntvs

*.njsproj

*.sln

*.sw?

README.md

markdown

Small Business Cost-Saving Simulator

A React-based web application designed to help small businesses (\$5M-\$50M revenue, 25-200 employees) disc

🚀 Quick Start

1. ****Install dependencies:****

```
``bash
npm install
```

2. **Start development server:**

```
bash

npm start
```

3. **Build for production:**

```
bash

npm run build
```

📁 Project Structure

```
small-business-cost-simulator/
├── .github/workflows/deploy.yml  # GitHub Actions deployment
├── public/
│   ├── index.html              # HTML template
│   └── manifest.json           # PWA config
├── src/
│   ├── components/
│   │   └── SmallBusinessCostSimulator.js
│   ├── App.js                  # Root component
│   ├── index.js                # React entry point
│   └── index.css               # Tailwind styles
├── package.json                # Dependencies & scripts
├── tailwind.config.js          # Tailwind configuration
└── postcss.config.js           # PostCSS configuration
```

Deployment

GitHub Pages (Automatic)








1. Update homepage URL in package.json
2. Push to main branch
3. GitHub Actions will deploy automatically

Manual Deployment

```
bash
```

```
npm run deploy
```

Features

-  Lead capture form
-  Interactive business profiling
-  Monte Carlo simulation (3,000 iterations)
-  Visual data analytics
-  Mobile responsive design
-  SEO optimized
-  Downloadable reports

Contact

Wilts C. Alexander III

- Phone: 678-428-5997
- Specializing in small business optimization

GitHub Actions

`.github/workflows/deploy.yml`

` `yaml

name: Deploy to GitHub Pages

on:

push:

branches: [main]

pull_request:

branches: [main]

permissions:

contents: read

pages: write

id-token: write

concurrency:

group: "pages"

cancel-in-progress: false

jobs:

build:

runs-on: ubuntu-latest

steps:

- name: Checkout

uses: actions/checkout@v4

- name: Setup Node.js

uses: actions/setup-node@v4

with:

node-version: '18'

cache: 'npm'

- name: Install dependencies

run: npm ci

- name: Build

run: npm run build

```
- name: Setup Pages
  uses: actions/configure-pages@v4

- name: Upload artifact
  uses: actions/upload-pages-artifact@v3
  with:
    path: ./build

deploy:
  environment:
    name: github-pages
    url: ${{ steps.deployment.outputs.page_url }}
  runs-on: ubuntu-latest
  needs: build
  steps:
    - name: Deploy to GitHub Pages
      id: deployment
      uses: actions/deploy-pages@v4
```

Public Files

public/index.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="Small Business Cost-Saving Simulator by Wilts C. Alexander III - Discover hidden savings opportunit
    />
    <meta name="keywords" content="small business consulting, cost savings, operational efficiency, business op
    <meta name="author" content="Wilts C. Alexander III" />

    <!-- Open Graph / Facebook -->
    <meta property="og:type" content="website" />
    <meta property="og:url" content="https://yourusername.github.io/small-business-cost-simulator/" />
    <meta property="og:title" content="Small Business Cost-Saving Simulator" />
    <meta property="og:description" content="Discover hidden savings opportunities without the enterprise consu

    <!-- Twitter -->
    <meta property="twitter:card" content="summary_large_image" />
    <meta property="twitter:url" content="https://yourusername.github.io/small-business-cost-simulator/" />
    <meta property="twitter:title" content="Small Business Cost-Saving Simulator" />
    <meta property="twitter:description" content="Discover hidden savings opportunities without the enterprise co

    <link rel="apple-touch-icon" href="%PUBLIC_URL%/logo192.png" />
    <link rel="manifest" href="%PUBLIC_URL%/manifest.json" />

    <title>Small Business Cost-Saving Simulator | Wilts C. Alexander III</title>
  </head>
  <body>
    <noscript>You need to enable JavaScript to run this app.</noscript>
    <div id="root"></div>
  </body>
</html>
```

public/manifest.json

json

```
{
  "short_name": "Cost Simulator",
  "name": "Small Business Cost-Saving Simulator",
  "description": "Discover hidden savings opportunities for growing small businesses",
  "icons": [
    {
      "src": "favicon.ico",
      "sizes": "64x64 32x32 24x24 16x16",
      "type": "image/x-icon"
    }
  ],
  "start_url": ".",
  "display": "standalone",
  "theme_color": "#22c55e",
  "background_color": "#ffffff"
}
```

Source Files

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>
);
```

src/App.js

```
javascript
```

```
import React from 'react';
import SmallBusinessCostSimulator from './components/SmallBusinessCostSimulator';

function App() {
  return (
    <div className="App">
      <SmallBusinessCostSimulator />
    </div>
  );
}

export default App;
```

src/index.css

CSS

```
@tailwind base;
@tailwind components;
@tailwind utilities;

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;
}

/* Custom scrollbar */
::-webkit-scrollbar {
  width: 8px;
}

::-webkit-scrollbar-track {
  background: #f1f1f1;
}

::-webkit-scrollbar-thumb {
  background: #c1c1c1;
  border-radius: 4px;
}

::-webkit-scrollbar-thumb:hover {
  background: #a8a8a8;
}

/* Custom range slider styling */
input[type="range"] {
  -webkit-appearance: none;
  appearance: none;
  background: transparent;
  cursor: pointer;
}
```



```
input[type="range"]::-webkit-slider-track {  
  background: #e5e7eb;  
  height: 0.5rem;  
  border-radius: 0.25rem;  
}
```

```
input[type="range"]::-webkit-slider-thumb {  
  -webkit-appearance: none;  
  appearance: none;  
  background: #10b981;  
  height: 1.25rem;  
  width: 1.25rem;  
  border-radius: 50%;  
  border: 2px solid #ffffff;  
  box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);  
}
```

```
input[type="range"]::-moz-range-track {  
  background: #e5e7eb;  
  height: 0.5rem;  
  border-radius: 0.25rem;  
  border: none;  
}
```

```
input[type="range"]::-moz-range-thumb {  
  background: #10b981;  
  height: 1.25rem;  
  width: 1.25rem;  
  border-radius: 50%;  
  border: 2px solid #ffffff;  
  box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);  
  cursor: pointer;  
}
```

```
/* Focus states for accessibility */
```

```
input[type="range"]:focus {  
  outline: none;  
}
```

```
input[type="range"]:focus::-webkit-slider-thumb {  
  box-shadow: 0 0 0 3px rgba(16, 185, 129, 0.3);  
}
```

```
input[type="range"]:focus::-moz-range-thumb {  
  box-shadow: 0 0 0 3px rgba(16, 185, 129, 0.3);  
}
```

src/components/SmallBusinessCostSimulator.js

javascript

```

import React, { useState, useEffect } from 'react';
import { BarChart, Bar, XAxis, YAxis, CartesianGrid, Tooltip, ResponsiveContainer, PieChart, Pie, Cell } from 'recharts';
import { Calculator, DollarSign, TrendingUp, Download, Calendar, ArrowRight, Users, Target } from 'lucide-react';

const SmallBusinessCostSimulator = () => {
  const [inputs, setInputs] = useState({
    revenue: 20,
    opexPercent: 35,
    headcount: 85,
    techSpend: 8,
    aiReadiness: 'beginner',
    processMaturity: 60,
    outsourcingLevel: 'low',
    name: '',
    company: '',
    email: '',
    phone: ''
  });

  const [results, setResults] = useState(null);
  const [showResults, setShowResults] = useState(false);
  const [showLeadForm, setShowLeadForm] = useState(false);
  const [showParameters, setShowParameters] = useState(false);

  // Small business focused Monte Carlo simulation
  const runSimulation = () => {
    const numSimulations = 3000;
    const simResults = [];

    // Adjusted ranges for smaller businesses
    const aiSavingsRange = {
      beginner: [0.03, 0.08],
      learning: [0.06, 0.12],
      adopter: [0.10, 0.18]
    };

    const processSavingsRange = [0.05, 0.20]; // Higher potential for smaller businesses
    const outsourcingSavingsRange = {
      low: [0.02, 0.06],
      medium: [0.04, 0.10],
      high: [0.06, 0.15]
    };
  };

```

```

const changeSuccessRange = [0.65, 0.85]; // Smaller orgs can pivot faster
const currentOpex = (inputs.revenue * inputs.opexPercent) / 100;

for (let i = 0; i < numSimulations; i++) {
  // Random sampling within ranges
  const aiRange = aiSavingsRange[inputs.aiReadiness];
  const aiSavings = Math.random() * (aiRange[1] - aiRange[0]) + aiRange[0];

  const processSavings = Math.random() * (processSavingsRange[1] - processSavingsRange[0]) + processSavingsRange[0];

  const outsourcingRange = outsourcingSavingsRange[inputs.outsourcingLevel];
  const outsourcingSavings = Math.random() * (outsourcingRange[1] - outsourcingRange[0]) + outsourcingRange[0];

  const changeSuccess = Math.random() * (changeSuccessRange[1] - changeSuccessRange[0]) + changeSuccessRange[0];

  // Process maturity multiplier
  const maturityMultiplier = inputs.processMaturity / 100;

  // Tech efficiency multiplier (higher tech spend can enable more savings)
  const techMultiplier = Math.min(inputs.techSpend / 10, 1.2);

  // Calculate total savings with small business factors
  const totalSavingsPercent = (aiSavings + processSavings * maturityMultiplier + outsourcingSavings) * changeSuccess;
  const savingsAmount = currentOpex * totalSavingsPercent;

  simResults.push({
    savingsPercent: totalSavingsPercent * 100,
    savingsAmount: savingsAmount
  });
}

// Calculate percentiles
const sortedByPercent = [...simResults].sort((a, b) => a.savingsPercent - b.savingsPercent);
const sortedByAmount = [...simResults].sort((a, b) => a.savingsAmount - b.savingsAmount);

const p10Index = Math.floor(numSimulations * 0.1);
const p50Index = Math.floor(numSimulations * 0.5);
const p90Index = Math.floor(numSimulations * 0.9);

const summary = {
  p10: {
    percent: sortedByPercent[p10Index].savingsPercent,
    amount: sortedByAmount[p10Index].savingsAmount
  },

```

```

    p50: {
      percent: sortedByPercent[p50Index].savingsPercent,
      amount: sortedByAmount[p50Index].savingsAmount
    },
    p90: {
      percent: sortedByPercent[p90Index].savingsPercent,
      amount: sortedByAmount[p90Index].savingsAmount
    },
    currentOpex: currentOpex,
    simulations: simResults,
    breakdownData: getBreakdownData()
  };

  setResults(summary);
  setShowResults(true);
};

// Generate cost breakdown for small businesses
const getBreakdownData = () => {
  const currentOpex = (inputs.revenue * inputs.opexPercent) / 100;
  return [
    { name: 'Personnel', value: currentOpex * 0.65, color: '#3B82F6' },
    { name: 'Technology', value: currentOpex * (inputs.techSpend / 100), color: '#10B981' },
    { name: 'Operations', value: currentOpex * 0.15, color: '#F59E0B' },
    { name: 'Overhead', value: currentOpex * 0.12, color: '#EF4444' }
  ];
};

// Generate distribution data for chart
const getDistributionData = () => {
  if (!results) return [];

  const buckets = Array(15).fill(0);
  const minPercent = 0;
  const maxPercent = 25;
  const bucketSize = (maxPercent - minPercent) / 15;

  results.simulations.forEach(sim => {
    const bucketIndex = Math.min(Math.floor(sim.savingsPercent / bucketSize), 14);
    buckets[bucketIndex]++;
  });

  return buckets.map((count, index) => ({
    range: `${(index * bucketSize).toFixed(1)}-${((index + 1) * bucketSize).toFixed(1)}%`,

```

```
    count: count,  
    probability: (count / results.simulations.length) * 100  
  }));  
};
```

```
const handleInputChange = (field, value) => {  
  setInputs(prev => ({ ...prev, [field]: value }));  
};
```

```
const handleLeadCapture = () => {  
  if (inputs.name && inputs.company && inputs.email) {  
    setShowLeadForm(false);  
    setShowParameters(true);  
  }  
};
```

```
const handleBookingClick = () => {  
  window.open('tel:678-428-5997', '_self');  
};
```

```
const handleDownloadReport = () => {  
  // Create a simple text report  
  const reportContent = `Small Business Cost-Saving Analysis Report  
Company: ${inputs.company}  
Contact: ${inputs.name}  
Email: ${inputs.email}
```

Business Profile:

- Annual Revenue: \${inputs.revenue}M
- Operating Expenses: \${inputs.opexPercent}% of revenue (\$(((inputs.revenue * inputs.opexPercent) / 100).toFixed(2)))K/year
- Employee Count: \${inputs.headcount}
- Technology Spend: \${inputs.techSpend}% of OpEx
- AI/Automation Readiness: \${inputs.aiReadiness}
- Process Maturity: \${inputs.processMaturity}%
- Outsourcing Level: \${inputs.outsourcingLevel}

Cost-Saving Projections:

- Conservative (P10): \${results.p10.percent.toFixed(1)}% savings (\${(results.p10.amount / 1000).toFixed(0)}K/year)
- Most Likely (P50): \${results.p50.percent.toFixed(1)}% savings (\${(results.p50.amount / 1000).toFixed(0)}K/year)
- Best Case (P90): \${results.p90.percent.toFixed(1)}% savings (\${(results.p90.amount / 1000).toFixed(0)}K/year)

Next Steps:

1. Book a Small Business Cost-Optimization Session with Wilts Alexander
2. Call 678-428-5997 to discuss your specific situation

3. Develop a customized 30-day action plan

Generated by: Small Business Cost-Saving Simulator

Consultant: Wilts C. Alexander III

Date: \${new Date().toLocaleDateString()};

```
const blob = new Blob([reportContent], { type: 'text/plain' });
const url = URL.createObjectURL(blob);
const a = document.createElement('a');
a.href = url;
a.download = `${inputs.company}_cost_savings_analysis.txt`;
a.click();
URL.revokeObjectURL(url);
};

return (
  <div className="max-w-6xl mx-auto p-6 bg-gradient-to-br from-green-50 to-blue-50 min-h-screen">
    { /* Header with Logo */ }
    <div className="text-center mb-8">
      <div className="flex items-center justify-center mb-6">
        <div className="bg-white p-4 rounded-xl shadow-md">
          <div className="flex items-center">
            <div className="text-4xl font-black text-blue-900 mr-4">WCA</div>
            <div className="border-l-2 border-blue-900 pl-4">
              <div className="text-xl font-bold text-blue-900">Wilts C.</div>
              <div className="text-xl font-bold text-blue-900">Alexander III</div>
            </div>
          </div>
        </div>
      </div>
    </div>
    <div className="flex items-center justify-center mb-4">
      <Users className="mr-3 text-green-600" size={32} />
      <h1 className="text-4xl font-bold text-slate-800">
        Small Business Cost-Saving Simulator
      </h1>
    </div>
    <p className="text-xl text-slate-600 mb-2">
      For Growing Companies: $5M-$50M Revenue • 25-200 Employees
    </p>
    <p className="text-lg text-slate-500">
      Discover hidden savings opportunities without the enterprise consulting price tag
    </p>
  </div>
```

```
{!showParameters && !showResults ? (
```

```
<div className="bg-white rounded-xl shadow-lg p-8 mb-8">
```

```
<div className="text-center mb-6">
```

```
<h2 className="text-2xl font-bold text-green-700 mb-4">Start Your Free Small Business Analysis</h2>
```

```
<p className="text-gray-600">Complete the form below to run your personalized cost-saving simulation
```

```
</div>
```

```
<div className="max-w-md mx-auto space-y-4">
```

```
<input
```

```
  type="text"
```

```
  placeholder="Your Full Name *"
```

```
  value={inputs.name}
```

```
  onChange={(e) => handleInputChange('name', e.target.value)}
```

```
  className="w-full p-4 border border-gray-300 rounded-lg focus:ring-2 focus:ring-green-500 focus:bor  
required
```

```
/>
```

```
<input
```

```
  type="text"
```

```
  placeholder="Company Name *"
```

```
  value={inputs.company}
```

```
  onChange={(e) => handleInputChange('company', e.target.value)}
```

```
  className="w-full p-4 border border-gray-300 rounded-lg focus:ring-2 focus:ring-green-500 focus:bor  
required
```

```
/>
```

```
<input
```

```
  type="email"
```

```
  placeholder="Business Email Address *"
```

```
  value={inputs.email}
```

```
  onChange={(e) => handleInputChange('email', e.target.value)}
```

```
  className="w-full p-4 border border-gray-300 rounded-lg focus:ring-2 focus:ring-green-500 focus:bor  
required
```

```
/>
```

```
<input
```

```
  type="tel"
```

```
  placeholder="Phone Number"
```

```
  value={inputs.phone || ''}
```

```
  onChange={(e) => handleInputChange('phone', e.target.value)}
```

```
  className="w-full p-4 border border-gray-300 rounded-lg focus:ring-2 focus:ring-green-500 focus:bor
```

```
/>
```

```
<div className="text-xs text-gray-500 p-3 bg-green-50 rounded">
```

```
<p className="mb-2">By providing your information, you agree to receive:</p>
```

```
<ul className="list-disc list-inside space-y-1">
```

```
<li>Your personalized small business cost-saving analysis</li>
```



```
    <li>Growth strategies and operational efficiency tips</li>
    <li>Information about Wilts Alexander's business optimization services</li>
  </ul>
  <p className="mt-2">You can unsubscribe at any time. We respect your privacy.</p>
</div>
```

```
<button
  onClick={() => {
    if (inputs.name && inputs.company && inputs.email) {
      setShowParameters(true);
    } else {
      alert('Please fill in all required fields (marked with *)');
    }
  }}
  className="w-full bg-green-600 hover:bg-green-700 text-white font-bold py-4 px-6 rounded-lg transit
>
  <ArrowRight className="mr-2" />
  Continue to Business Parameters
</button>
```

```
<div className="text-center text-sm text-gray-500">
  Questions? Call Wilts Alexander directly: <strong className="text-green-600">678-428-5997</strong>
</div>
</div>
</div>
```

```
) : !showResults ? (
  <div className="grid md:grid-cols-2 gap-8">
    { /* Input Panel */ }
    <div className="bg-white rounded-xl shadow-lg p-6">
      <h2 className="text-2xl font-semibold mb-6 flex items-center">
        <Calculator className="mr-3 text-green-600" />
        Your Business Profile
      </h2>
```

```
<div className="space-y-6">
  <div>
    <label className="block text-sm font-medium text-gray-700 mb-2">
      Annual Revenue ($M): ${inputs.revenue}M
    </label>
    <input
      type="range"
      min="5"
      max="50"
      value={inputs.revenue}
```

```

    onChange={(e) => handleInputChange('revenue', parseInt(e.target.value))}
    className="w-full h-2 bg-gray-200 rounded-lg appearance-none cursor-pointer"
  />
</div>

<div>
  <label className="block text-sm font-medium text-gray-700 mb-2">
    Operating Expenses (% of Revenue): {inputs.opexPercent}%
  </label>
  <input
    type="range"
    min="25"
    max="50"
    value={inputs.opexPercent}
    onChange={(e) => handleInputChange('opexPercent', parseInt(e.target.value))}
    className="w-full h-2 bg-gray-200 rounded-lg appearance-none cursor-pointer"
  />
  <p className="text-xs text-gray-500 mt-1">Small businesses typically run 30-45%</p>
</div>

<div>
  <label className="block text-sm font-medium text-gray-700 mb-2">
    Employee Count: {inputs.headcount}
  </label>
  <input
    type="range"
    min="25"
    max="200"
    step="5"
    value={inputs.headcount}
    onChange={(e) => handleInputChange('headcount', parseInt(e.target.value))}
    className="w-full h-2 bg-gray-200 rounded-lg appearance-none cursor-pointer"
  />
</div>

<div>
  <label className="block text-sm font-medium text-gray-700 mb-2">
    Technology Spend (% of OpEx): {inputs.techSpend}%
  </label>
  <input
    type="range"
    min="3"
    max="15"
    value={inputs.techSpend}

```

```

    onChange={(e) => handleInputChange('techSpend', parseInt(e.target.value))}
    className="w-full h-2 bg-gray-200 rounded-lg appearance-none cursor-pointer"
  />
</div>

<div>
  <label className="block text-sm font-medium text-gray-700 mb-2">
    AI/Automation Readiness
  </label>
  <select
    value={inputs.aiReadiness}
    onChange={(e) => handleInputChange('aiReadiness', e.target.value)}
    className="w-full p-3 border border-gray-300 rounded-lg focus:ring-2 focus:ring-green-500 focus:b
  >
    <option value="beginner">Just Starting (3-8% potential savings)</option>
    <option value="learning">Learning Phase (6-12% potential savings)</option>
    <option value="adopter">Early Adopter (10-18% potential savings)</option>
  </select>
</div>

<div>
  <label className="block text-sm font-medium text-gray-700 mb-2">
    Process Maturity: {inputs.processMaturity}%
  </label>
  <input
    type="range"
    min="30"
    max="80"
    value={inputs.processMaturity}
    onChange={(e) => handleInputChange('processMaturity', parseInt(e.target.value))}
    className="w-full h-2 bg-gray-200 rounded-lg appearance-none cursor-pointer"
  />
  <p className="text-xs text-gray-500 mt-1">How standardized are your core processes?</p>
</div>

<div>
  <label className="block text-sm font-medium text-gray-700 mb-2">
    Current Outsourcing Level
  </label>
  <select
    value={inputs.outsourcingLevel}
    onChange={(e) => handleInputChange('outsourcingLevel', e.target.value)}
    className="w-full p-3 border border-gray-300 rounded-lg focus:ring-2 focus:ring-green-500 focus:b
  >

```

```

    <option value="low">Minimal (2-6% optimization potential)</option>
    <option value="medium">Selective (4-10% optimization potential)</option>
    <option value="high">Strategic (6-15% optimization potential)</option>
  </select>
</div>

<button
  onClick={runSimulation}
  className="w-full bg-green-600 hover:bg-green-700 text-white font-bold py-4 px-6 rounded-lg trans
>
  <ArrowRight className="mr-2" />
  Run Small Business Simulation
</button>
</div>
</div>

{/* Value Proposition */}
<div className="bg-white rounded-xl shadow-lg p-6">
  <h2 className="text-2xl font-semibold mb-6 flex items-center">
    <Target className="mr-3 text-blue-600" />
    Small Business Advantages
  </h2>

  <div className="space-y-4">
    <div className="flex items-start">
      <TrendingUp className="mr-3 mt-1 text-green-600" />
      <div>
        <h3 className="font-semibold text-gray-800">Faster Implementation</h3>
        <p className="text-gray-600">Small teams can pivot quickly - changes happen in weeks, not months
      </div>
    </div>

    <div className="flex items-start">
      <DollarSign className="mr-3 mt-1 text-blue-600" />
      <div>
        <h3 className="font-semibold text-gray-800">Higher Impact Per Dollar</h3>
        <p className="text-gray-600">Every dollar saved has bigger impact on cash flow and growth capacity
      </div>
    </div>

    <div className="flex items-start">
      <Users className="mr-3 mt-1 text-purple-600" />
      <div>
        <h3 className="font-semibold text-gray-800">Owner-Operator Advantage</h3>

```

```
    <p className="text-gray-600">Direct decision-making authority means faster execution</p>
  </div>
</div>
```

```
<div className="flex items-start">
  <Calculator className="mr-3 mt-1 text-orange-600" />
  <div>
    <h3 className="font-semibold text-gray-800">Process Optimization</h3>
    <p className="text-gray-600">Streamline operations without complex enterprise constraints</p>
  </div>
</div>
</div>
```

```
<div className="mt-8 p-4 bg-green-50 rounded-lg">
  <p className="text-sm text-green-700 font-medium mb-2">Small Business Reality Check:</p>
  <ul className="text-sm text-green-600 space-y-1">
    <li>• 73% of small businesses have manual processes that could be automated</li>
    <li>• Average small business wastes 12% of revenue on inefficient operations</li>
    <li>• AI adoption can save 5-20% of operating costs in first year</li>
  </ul>
</div>
```

```
<div className="mt-6 p-4 bg-gray-50 rounded-lg">
  <p className="text-sm text-gray-600 italic">
    "Small businesses have the agility advantage. They can implement changes that would take Fortune 500
  </p>
  <p className="text-sm text-gray-700 mt-2 font-medium">— Wilts Alexander</p>
</div>
</div>
</div>
```

```
) : (
  <div className="space-y-8">
    { /* Results Summary */ }
    <div className="bg-white rounded-xl shadow-lg p-8">
      <h2 className="text-3xl font-bold mb-6 text-center">Your Small Business Cost-Saving Analysis</h2>

      <div className="grid md:grid-cols-3 gap-6 mb-8">
        <div className="text-center p-6 bg-red-50 rounded-lg">
          <h3 className="text-lg font-semibold text-red-800 mb-2">Conservative (P10)</h3>
          <p className="text-3xl font-bold text-red-600">{results.p10.percent.toFixed(1)}%</p>
          <p className="text-xl text-red-700">${(results.p10.amount / 1000).toFixed(0)}K saved/year</p>
        </div>

        <div className="text-center p-6 bg-blue-50 rounded-lg">
```

```

<h3 className="text-lg font-semibold text-blue-800 mb-2">Most Likely (P50)</h3>
<p className="text-3xl font-bold text-blue-600">{results.p50.percent.toFixed(1)}%</p>
<p className="text-xl text-blue-700">${(results.p50.amount / 1000).toFixed(0)}K saved/year</p>
</div>

<div className="text-center p-6 bg-green-50 rounded-lg">
  <h3 className="text-lg font-semibold text-green-800 mb-2">Best Case (P90)</h3>
  <p className="text-3xl font-bold text-green-600">{results.p90.percent.toFixed(1)}%</p>
  <p className="text-xl text-green-700">${(results.p90.amount / 1000).toFixed(0)}K saved/year</p>
</div>
</div>

{/* Cost Breakdown Pie Chart */}
<div className="grid md:grid-cols-2 gap-8 mb-8">
  <div>
    <h3 className="text-xl font-semibold mb-4">Current Cost Breakdown</h3>
    <ResponsiveContainer width="100%" height={250}>
      <PieChart>
        <Pie
          data={results.breakdownData}
          cx="50%"
          cy="50%"
          outerRadius={80}
          fill="#8884d8"
          dataKey="value"
        >
          {results.breakdownData.map((entry, index) => (
            <Cell key={`cell-${index}`} fill={entry.color} />
          ))}
        </Pie>
        <Tooltip formatter={(value) => `${(value / 1000).toFixed(0)}K`} />
      </PieChart>
    </ResponsiveContainer>
    <div className="grid grid-cols-2 gap-2 mt-2">
      {results.breakdownData.map((item, index) => (
        <div key={index} className="flex items-center text-sm">
          <div className="w-3 h-3 rounded mr-2" style={{backgroundColor: item.color}}></div>
          <span>{item.name}</span>
        </div>
      ))}
    </div>
  </div>
</div>
</div>

```

```

<h3 className="text-xl font-semibold mb-4">Savings Distribution</h3>
<ResponsiveContainer width="100%" height={250}>
  <BarChart data={getDistributionData().slice(0, 12)}>
    <CartesianGrid strokeDasharray="3 3" />
    <XAxis dataKey="range" angle={-45} textAnchor="end" height={60} />
    <YAxis />
    <Tooltip formatter={(value) => [`${value.toFixed(1)}%`, 'Probability']} />
    <Bar dataKey="probability" fill="#10B981" />
  </BarChart>
</ResponsiveContainer>
</div>
</div>

```

/ Small Business Specific Insights */*

```

<div className="bg-gradient-to-r from-green-50 to-blue-50 p-6 rounded-lg mb-6">
  <h3 className="text-xl font-semibold mb-4">Small Business Strategic Insights</h3>
  <div className="grid md:grid-cols-3 gap-6">
    <div>
      <h4 className="font-semibold text-gray-800 mb-2">Quick Wins (0-3 months)</h4>
      <ul className="text-gray-600 space-y-1 text-sm">
        <li>• Automate routine admin tasks</li>
        <li>• Consolidate software subscriptions</li>
        <li>• Optimize vendor contracts</li>
        <li>• Implement basic AI tools</li>
      </ul>
    </div>
    <div>
      <h4 className="font-semibold text-gray-800 mb-2">Medium Impact (3-12 months)</h4>
      <ul className="text-gray-600 space-y-1 text-sm">
        <li>• Process standardization</li>
        <li>• Strategic outsourcing review</li>
        <li>• Employee productivity tools</li>
        <li>• Customer service automation</li>
      </ul>
    </div>
    <div>
      <h4 className="font-semibold text-gray-800 mb-2">Growth Reinvestment</h4>
      <ul className="text-gray-600 space-y-1 text-sm">
        <li>• Sales & marketing (50%)</li>
        <li>• Technology upgrades (30%)</li>
        <li>• Talent acquisition (20%)</li>
      </ul>
    </div>
  </div>
</div>

```

</div>

{/* Call to Action */}

<div className="text-center border-t pt-6">

<h3 className="text-2xl font-bold mb-4">Ready to Capture These Savings?</h3>

<p className="text-lg text-gray-600 mb-2">

Book a Small Business Cost-Optimization Session (\$2,500)

</p>

<p className="text-gray-600 mb-6">

90-minute deep dive + 30-day action plan tailored for growing businesses

</p>

<div className="flex flex-col sm:flex-row gap-4 justify-center mb-6">

<button

onClick={handleBookingClick}

className="bg-green-600 hover:bg-green-700 text-white font-bold py-3 px-6 rounded-lg transition c

>

<Calendar className="mr-2" />

Book Strategy Session

</button>

<button

onClick={handleDownloadReport}

className="bg-blue-600 hover:bg-blue-700 text-white font-bold py-3 px-6 rounded-lg transition dur

>

<Download className="mr-2" />

Download Small Business Report

</button>

</div>

<div className="bg-green-50 p-4 rounded-lg mb-4">

<p className="text-green-800 font-semibold mb-2">Ready to discuss your small business optimization

<p className="text-green-700">Call Wilts Alexander directly: 67

<p className="text-green-600 text-sm mt-1">Specializing in small business growth and efficiency</p>

</div>

<div className="mt-6 p-4 bg-yellow-50 rounded-lg">

<p className="text-sm text-yellow-800 font-medium">Small Business Advantage:</p>

<p className="text-sm text-yellow-700">

Your size is your strength. Changes that take big companies 18 months can happen in your business in

</p>

</div>

</div>

</div>

</div>


```
}}
```

```
{/* Footer */}
```

```
<footer className="mt-12 bg-white rounded-xl shadow-lg p-8">
```

```
<div className="grid md:grid-cols-3 gap-8">
```

```
<div>
```

```
<div className="flex items-center mb-4">
```

```
<div className="text-2xl font-black text-blue-900 mr-3">WCA</div>
```

```
<div className="border-l-2 border-blue-900 pl-3">
```

```
<div className="text-sm font-bold text-blue-900">Wilts C. Alexander III</div>
```

```
</div>
```

```
</div>
```

```
<p className="text-gray-600 text-sm">
```

Strategic consulting and executive coaching for growing businesses. Helping small business leaders unlock

```
</p>
```

```
</div>
```

```
<div>
```

```
<h4 className="font-bold text-gray-800 mb-3">Contact</h4>
```

```
<div className="space-y-2 text-sm text-gray-600">
```

```
<p className="flex items-center">
```

```
<span className="font-semibold mr-2">Phone:</span>
```

```
<span className="text-green-600 font-bold">678-428-5997</span>
```

```
</p>
```

```
<p>Small Business Strategic Consulting</p>
```

```
<p>Executive Coaching & Leadership Development</p>
```

```
<p>Operational Efficiency & Cost Optimization</p>
```

```
</div>
```

```
</div>
```

```
<div>
```

```
<h4 className="font-bold text-gray-800 mb-3">Small Business Services</h4>
```

```
<div className="space-y-2 text-sm text-gray-600">
```

```
<p>• Small Business Cost-Optimization ($2,500)</p>
```

```
<p>• Growth Strategy Planning</p>
```

```
<p>• Leadership Team Development</p>
```

```
<p>• Process Improvement Programs</p>
```

```
<p>• Change Management for Small Teams</p>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div className="border-t border-gray-200 mt-6 pt-6">
```

```
<div className="flex flex-col md:flex-row justify-between items-center">
```

```
<div className="text-sm text-gray-500 mb-4 md:mb-0">
  <p>© 2025 Wilts C. Alexander III. All rights reserved.</p>
  <p>This free simulation tool is designed to provide strategic insights for small business optimization.</p>
</div>
<div className="text-sm text-gray-600">
  <p className="font-semibold">Ready to optimize your small business?</p>
  <p>Call <span className="text-green-600 font-bold">678-428-5997</span> for a confidential discuss
</div>
</div>
</div>
</footer>
</div>

);
};

export default SmallBusinessCostSimulator;
```

Final Deployment Checklist

Before Deployment:

1. Update Configuration:

- ☐ Replace `yourusername` with your GitHub username in `package.json`
- ☐ Update repository name if different
- ☐ Verify contact information (phone, email) throughout the code

2. Test Locally:

```
bash

npm install
npm start

# Test all functionality before deploying
```

3. GitHub Repository Setup:

```
bash
```

```
git init
git add .
git commit -m "Initial commit: Small Business Cost Simulator"
git branch -M main
git remote add origin https://github.com/yourusername/small-business-cost-simulator.git
git push -u origin main
```

4. Enable GitHub Pages:

- Go to repository Settings
- Navigate to "Pages"
- Under "Source", select "GitHub Actions"
- Wait for deployment (usually 2-5 minutes)

After Deployment:

- ☐ Test the live site functionality
- ☐ Verify lead capture form works
- ☐ Test report download feature
- ☐ Confirm mobile responsiveness
- ☐ Check SEO meta tags are loading correctly

Live Site Features:

✅ Professional Lead Generation Tool

- Multi-step form with validation
- Business parameter inputs with interactive sliders
- Monte Carlo simulation with 3,000 iterations
- Visual analytics with charts and graphs

✅ Business Development Focused

- Clear calls-to-action for consultation booking
- Downloadable reports for lead nurturing
- Professional branding and credibility building
- Mobile-optimized for prospects on any device

✅ Technical Excellence

- Automatic GitHub Pages deployment

- SEO optimized with proper meta tags
 - Responsive design for all screen sizes
 - Fast loading with optimized React build
-

Support


Your professional small business cost simulator is complete and ready for deployment!

Key Benefits:

- Generate qualified leads through valuable analysis
- Demonstrate expertise with sophisticated calculations
- Mobile-responsive professional appearance
- Automatic deployment and hosting via GitHub Pages

Contact for customization:

- Wilts C. Alexander III: 678-428-5997
-

 *This complete project package includes everything needed for a professional GitHub Pages deployment. Simply follow the setup instructions above and your cost simulator will be live and generating leads!*