**🌐 Deployment Options**

**Option 1: Local Development**

bash

# 1. Install dependencies

pip install -r requirements.txt

# 2. Run locally

streamlit run app.py

**Option 2: Streamlit Cloud (Recommended)**

1. Push code to GitHub
2. Go to [https://share.streamlit.io](https://share.streamlit.io/)
3. Connect your repository
4. Deploy automatically

**Option 3: Docker Deployment**

bash

# Build image

docker build -t batch-record-generator .

# Run container

docker run -p 8501:8501 batch-record-generator

**Option 4: Traditional Web Hosting**

* Deploy to Heroku, Railway, or similar platforms
* Use the provided Dockerfile for containerized deployment

**✅ Web App Features**

* ✅ **File Upload** - Upload Excel and Word files via browser
* ✅ **Real-time Search** - Instant product search and filtering
* ✅ **Single/Bulk Generation** - Generate one or multiple documents
* ✅ **Live Preview** - Preview batch data before generation
* ✅ **Download Management** - Individual files or ZIP downloads
* ✅ **Generation History** - Track all created documents
* ✅ **Responsive Design** - Works on desktop and mobile
* ✅ **No Installation** - Runs completely in browser

**🔄 Migration Notes**

* **Same Core Logic** - Reuses your existing document generation code
* **Web-Optimized** - Adapted for browser environment
* **File Handling** - Uses Streamlit's file uploader instead of local paths
* **Session Management** - Maintains state between interactions
* **Progress Indicators** - Shows real-time progress for long operations

This web application provides all the functionality of your desktop app but accessible from any browser!