

REAL ESTATE PROPERTY REPORT COMPILER

Using Foxit Software: Automate a Chained
Document Workflow with Foxit APIs

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Overview

Turning messy property data into polished, ready-to-share reports.

Buying or selling a home is stressful, and one of the biggest challenges is information overload. Buyers need to compare listings, sellers need to understand market trends, and agents need to present all this clearly. Right now, this is a manual, fragmented process. We built a tool to fix that

Our Vision

01

Problem: fragmented property data, manual reporting, wasted time

02

Solution: automated end-to-end workflow generating professional, shareable PDFs

03

Tech: Foxit Document Generation API + Foxit PDF Services API

04

Impact: saves time for agents, clarity for buyers/sellers, scalable to other industries





Problem Context

01

Disorganized data: MLS, neighborhood stats, trends, and photos live on separate platforms

02

Manual reporting burden: agents spend hours copying/pasting info into documents

03

Poor client experience: buyers/sellers receive inconsistent, incomplete, or unprofessional reports

04

Scalability issue: current reporting doesn't scale across multiple properties or clients



Solution: Our Workflow

End-to-end automated report generation using Foxit APIs

1. Scrape Real Estate Webpages → extract property details:
 - Price, address, attributes (sqft, bedrooms, etc.), photos
 - Market trends + neighborhood statistics
2. Generate HTML Report with structured data, charts, and maps
3. Foxit Document Generation API → Convert HTML to DOCX → PDF
4. Foxit PDF Services API → compress, merge, finalize reports for delivery
5. Output: polished, professional property reports ready for agents/clients

Example Output

- Before: Raw property listing webpage (unstructured, messy, inconsistent)
- After: A real estate marketing packet with:
 - Property summary
 - Market & neighborhood statistics
 - Embedded property photos
 - Charts/maps for context





Key Features

01

Automated scraping: pulls essential details from property listings

02

Comprehensive reports: MLS data + trends + photos + neighborhood info in one file

03

Professional formatting: agent-ready, client-facing polished documents

04

Compression & optimization: easy to email or upload

05

Reusable workflow: adaptable to other structured data reporting needs

Usability & Impact

- **For agents:** cut hours of repetitive work, freeing time for client engagement
- **For buyers/sellers:** clear, comprehensive, easy-to-understand reports
- **For brokerages:** scalable tool to handle multiple properties simultaneously
- **Real-world readiness:** workflow replicates tasks agents already perform manually → immediate adoption potential
- **Beyond real estate:** applicable to mortgage reports, insurance claims, financial portfolios, healthcare records



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Areas of Improvement:

Document Generator

- Format improvement
- Lack of pictures and control of placement

PDF Compiler:

- Compiled document is still too large

Potential Solutions : Utilizing/creating ready made templates prior to compiling can improve user experience



THANK YOU

From fragmented property data to polished, professional marketing packets in seconds.

Built with Foxit Document Generation API + Foxit PDF Services API
Usable now, scalable tomorrow