Turnpage

TurnPage is a simple flipbook viewer built with HTML Canvas.
It supports both direct PDF loading and pre-processed JSON with images, with smooth page-flip animation and mobile support.

Features

- PDF direct loading or pre-processed images (low/high-res)
- Page flip animation
- Zoom & pan
- Hyperlink support (internal/external)
- Auto portrait/landscape mode
- Touch support (iOS/Android)
- Thumbnail navigation

How to Usage

```html
<!DOCTYPE html>
<html>
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1.0,
maximum-scale=1.0, user-scalable=no">
  <meta name="apple-mobile-web-app-capable" content="yes">
</head>
<body>
  <canvas id="turnpage"></canvas>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/pdf.js/3.11.174/pdf.min.js"></script>
  <script src="turnpage.js"></script>
  <script>
    const flipbook = new TurnPage('turnpage', {
      pdfUrl: 'document.pdf',          // Direct PDF
      //or
      jsonUrl: 'batch/mydoc/index.json',   // Pre-processed images + links
      autoLoad: true
    });
  </script>
</body>
</html>
```
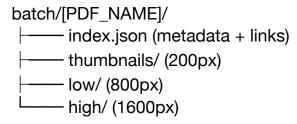
PDF Batch Processor

Requirements

```
# Ubuntu/Debian
sudo apt-get install poppler-utils nodejs npm

# macOS
brew install poppler node

# Windows
choco install poppler nodejs

npm install
```

Usage

```
chmod +x batch-process.sh
./batch-process.sh
```

Processes all PDFs in current directory to:

```
batch/[PDF_NAME]/
├──── index.json (metadata + links)
├──── thumbnails/ (200px)
├──── low/ (800px)
└──── high/ (1600px)
```

Manual Link Extraction

```
node extract-links.js input.pdf output.json
```

Dependencies

package.json

```json
{
  "type": "module",
  "dependencies": {
    "pdfjs-dist": "^3.11.174"
  }
}
```

System tools:
- `pdftoppm` (from poppler-utils) - PDF to image conversion
- `node` - Run extract-links.js

Script files:
- `extract-links.js` - Extract hyperlinks from PDF
- `batch-process.sh` - Batch convert all PDFs

Browser Support

- Chrome/Edge/Firefox: Full support
- Safari/iOS: Full support (requires `touch-action: none` CSS)

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It also uses PDF.js, which is licensed under the Apache License 2.0.