List of 50 Feature Improvements for PDF to JPEG Conversion Application

# User Interface and Experience

* Drag-and-Drop Support: Allow users to drag and drop PDF files into the application.
* Preview Pane: Add an option to toggle a side-by-side preview pane for the extracted images.
* Batch Processing: Enable processing multiple PDFs in a batch.
* Search Functionality: Add a search bar for quickly accessing specific files or settings.
* Keyboard Shortcuts: Implement keyboard shortcuts for frequently-used actions.
* History Panel: Show a history of the last few converted files.
* Quick Settings: A quick settings dropdown for commonly changed settings.
* Resizable UI: Make the UI resizable and adaptive.
* Undo/Redo: Add undo and redo functionality.
* User Profiles: Create user profiles to save settings/preferences.

# Conversion Options

* File Formats: Support more output formats like PNG, BMP, TIFF, etc.
* DPI Settings: Allow user to set the DPI of the output images.
* Compression: Offer image compression settings.
* Page Range: Option to select specific pages to convert.
* Batch Conversion Settings: Custom settings for batch conversion jobs.
* Auto-Rotate: Automatically correct the orientation of images.
* Color Modes: Convert to grayscale, black and white, etc.
* Auto Crop: Remove unnecessary white space around images.

# Performance and Reliability

* Progress Bar: More detailed progress bars with time estimates.
* Pause/Resume: Add the ability to pause and resume conversions.
* Queue: Implement a job queue for handling multiple tasks.
* Multi-threading: Use multiple threads to speed up conversions.
* Error Logging: Create detailed logs for debugging.
* Auto-Save: Automatically save settings and recovery points.
* Automatic Updates: Check for and install updates automatically.

# File Management

* Folder Structure: Maintain folder structure when saving images.
* Bulk Rename: Bulk rename output files.
* File Preview: Preview PDFs before converting.
* Save Presets: Save settings as presets for future use.
* Default Save Location: Option to set a default save location.

# Additional Features

* OCR Support: Implement Optical Character Recognition.
* Watermarking: Add watermarking capabilities.
* Annotations: Add or remove annotations from PDFs.
* PDF Merging: Allow merging of multiple PDFs.
* PDF Splitting: Allow splitting of PDFs into multiple files.
* Password Protection: Add or remove password protection on PDFs.
* Signature: Add digital signatures to PDFs.

# Data and Analytics

* Usage Statistics: Show usage statistics and insights.
* Report Generation: Generate reports of conversion jobs.

# Integrations

* Cloud Storage: Integrate with cloud storage services like Google Drive, Dropbox, etc.
* Third-party APIs: Integrate with image editing software or other third-party services.
* Email Support: Option to email converted files directly from the application.
* Social Media: Option to share converted images directly to social media.

# Accessibility

* Localization: Support for multiple languages.
* Voice Commands: Implement voice-controlled navigation.
* Screen Reader: Make the app compatible with screen reading software.
* High-Contrast Mode: Improve accessibility with a high-contrast mode.

# Miscellaneous

* Help Guide: Include a user guide or FAQ section within the app.
* Feedback Mechanism: Allow users to provide feedback or report issues.
* Community Forum: Add a community forum for users to share tips and tricks.