# 📁 Jafile

Welcome to our project 🎉

This project was developed using **Java** along with **Swing** to create a simple and user-friendly graphical interface.

## 📝 Description

The **Jafile(Java File Converter)** is a versatile tool designed to easily transform files between a wide range of formats.  
It provides a user-friendly interface that supports the conversion of:

* 📄 **Document Formats:**  
  pdf, doc, docx, odt, fodt, rtf, txt, xml
* 📚 **E‑book Formats:**  
  epub, fb2
* 📊 **Spreadsheet Formats:**  
  xls, xlsx, ods, csv
* 🖼️ **Image Formats:**  
  jpg, jpeg, png, bmp, gif, tiff, webp, heic, avif
* 🎵 **Audio Formats:**  
  mp3, wav, ogg, flac, aac, m4a, wma, alac, opus, amr, aiff
* 🎬 **Video Formats:**  
  mp4, mkv, avi, mov, flv, wmv, webm, mpeg, 3gp, ts, m4v
* ⚡ **Other Formats:**  
  json, html, latex, markdown

## 🛠 Requirements

To ensure proper file conversion across various formats, the application uses the following essential tools:

* 🛠 **Pandoc** - For document and markdown file conversions.
* 🛠 **LibreOffice** - For advanced document, spreadsheet, and presentation conversions.
* 🛠 **ImageMagick** - For image format conversions and optimizations.
* 🛠 **FFmpeg** - For audio and video file format conversions.

### 📦 Included Tools

All required tools are already packaged inside the project under the tools/ directory.  
When you run the application for the first time, the program automatically detects and configures these tools without requiring any additional installation or setup.

## 📥 Installation

*Follow these simple steps to set up the project:*

1. **Choose a folder** where you want to clone the project.
2. **Clone the repository** bash git clone https://github.com/Ahmed-Alsefari/Jafile-Java-File-Converter-.git
3. **Make sure Java is installed** bash java -version > Java 17 or higher is recommended.
4. **Open the project** using **IntelliJ IDEA** or any Java-supported IDE.

## 👥 Team Members

| Name |
| --- |
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