

# DocMaster

A presentation for Minor Project

BY

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**BRCM COLLEGE OF ENGINEERING & TECHNOLOGY**

**(AFFILIATED TO MDU, ROHTAK)**

**2024**

# Problem Statement



## Problem 1

The lack of a user-friendly platform for adding text, annotations, and images, as well as tools for drawing on PDFs, adding signatures, rubber stamps, and other essential elements, poses a significant challenge. Existing software's complexity and lack of intuitive features lead to user frustration and inefficiency.



## Problem 2

Users often struggle with juggling multiple software solutions to perform various PDF tasks, leading to inefficiencies and frustrations. For example, using existing tools like [ilovepdf.com](https://ilovepdf.com) etc. , if someone wants to convert all pages of a PDF to PNG, they first have to convert the PDF to JPG, then download a zip file, extract it, and finally convert each file individually into PNG files. This convoluted process adds unnecessary complexity and time consumption to what should be a straightforward task.

# Our Solution

At DocMaster, we're committed to simplifying the way you interact with PDF documents. Our all-in-one platform offers a comprehensive suite of tools designed to streamline your PDF editing, drawing in pdf, conversion, merging, splitting, and compression tasks.

Whether you're a student who needs to combine several PDFs for a research paper or a professional who wants to extract specific pages from a document, DocMaster has everything you need.

Say goodbye to the hassle of juggling multiple software solutions – DocMaster is the only tool that you'll ever need for handling PDFs efficiently.

# DocMaster - Your Ultimate PDF Toolkit!

## Objectives

- **User-friendly interface:** Design a clear and user-friendly interface that caters to users of all technical or non technical backgrounds, prioritizing ease of use and discoverability.
- **Streamline PDF workflows:** Create an all-in-one PDF tool that simplifies common PDF tasks, reducing reliance on disparate software.
- **Versatile file conversions:** Provide seamless conversions between PDFs and various formats like Word, Excel, PowerPoint, jpg, and more.
- **Seamless PDF operations:** Enable users to effortlessly merge, split, compress, or extract specific pages, ensuring efficient document management.
- **Comprehensive editing capabilities:** Empower users to directly edit PDF content, add text, insert images, add annotations, watermarks and make other necessary modifications.

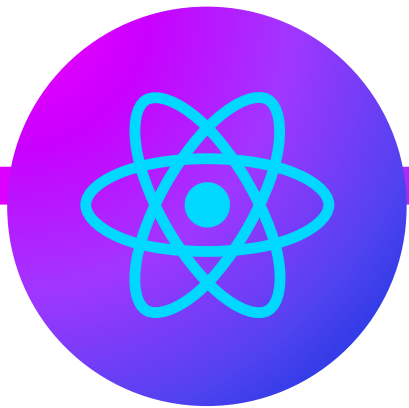
# What Makes Us Different

At DocMaster, our PDF editor stands out for its special features. With our editor, you can directly search within PDFs and effortlessly add annotations like images and text. Plus, we offer convenient keyboard shortcuts for easy customization of your PDF experience. Additionally, we provide tools for drawing on PDFs, adding signatures, rubber stamps, and more, empowering users with comprehensive editing capabilities all within a single platform.

We prioritize simplicity and effectiveness. What sets us apart at DocMaster is our wide range of PDF management tools. In contrast to other services, we provide a smooth and user-friendly interface that streamlines tasks like editing, merging, splitting, compressing, and extracting specific pages from PDF files. Our integrated solution eliminates the need to switch between various software programs, saving time and enhancing productivity.

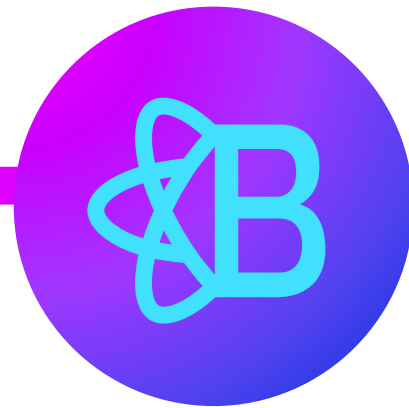


# Technologies Used



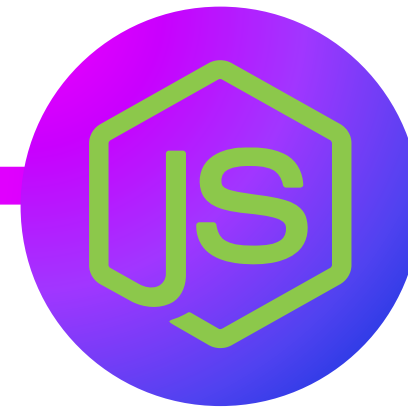
## React.js

React.js serves as the foundation for DocMaster's front-end development, allowing for the creation of interactive user interfaces with reusable components. React's component-based architecture enhances code maintainability and facilitates efficient rendering of dynamic content.



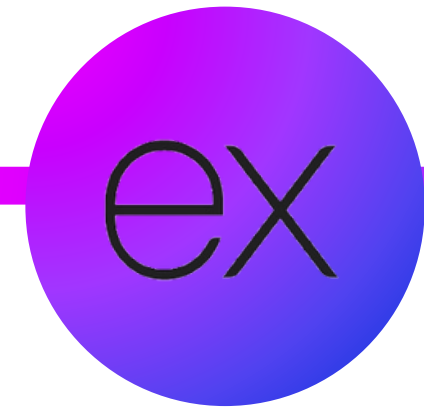
## React Bootstrap

React Bootstrap is a front-end framework that facilitates rapid development and responsive design. DocMaster utilizes React Bootstrap's pre-built components and grid system to create a mobile-friendly and visually consistent layout.



## Node.js

Node.js is utilized as the JavaScript runtime environment for DocMaster's server-side scripting, enabling non-blocking, event-driven I/O operations. Node.js facilitates the development of fast, scalable, and lightweight network applications, making it an ideal choice for DocMaster's backend infrastructure.



## Express

Express.js is used as the web application framework for DocMaster's backend, enabling the creation of robust and scalable server-side applications. Express.js simplifies routing, middleware integration, and request handling, facilitating efficient communication between the client and server.

# Our Partners



**Apyrse**

Used for

**PDF Editor  
Component**

(WebView: JS SDK)



**ConvertAPI**

Used for

**High-Performance  
File Conversion**

(File Conversion API)

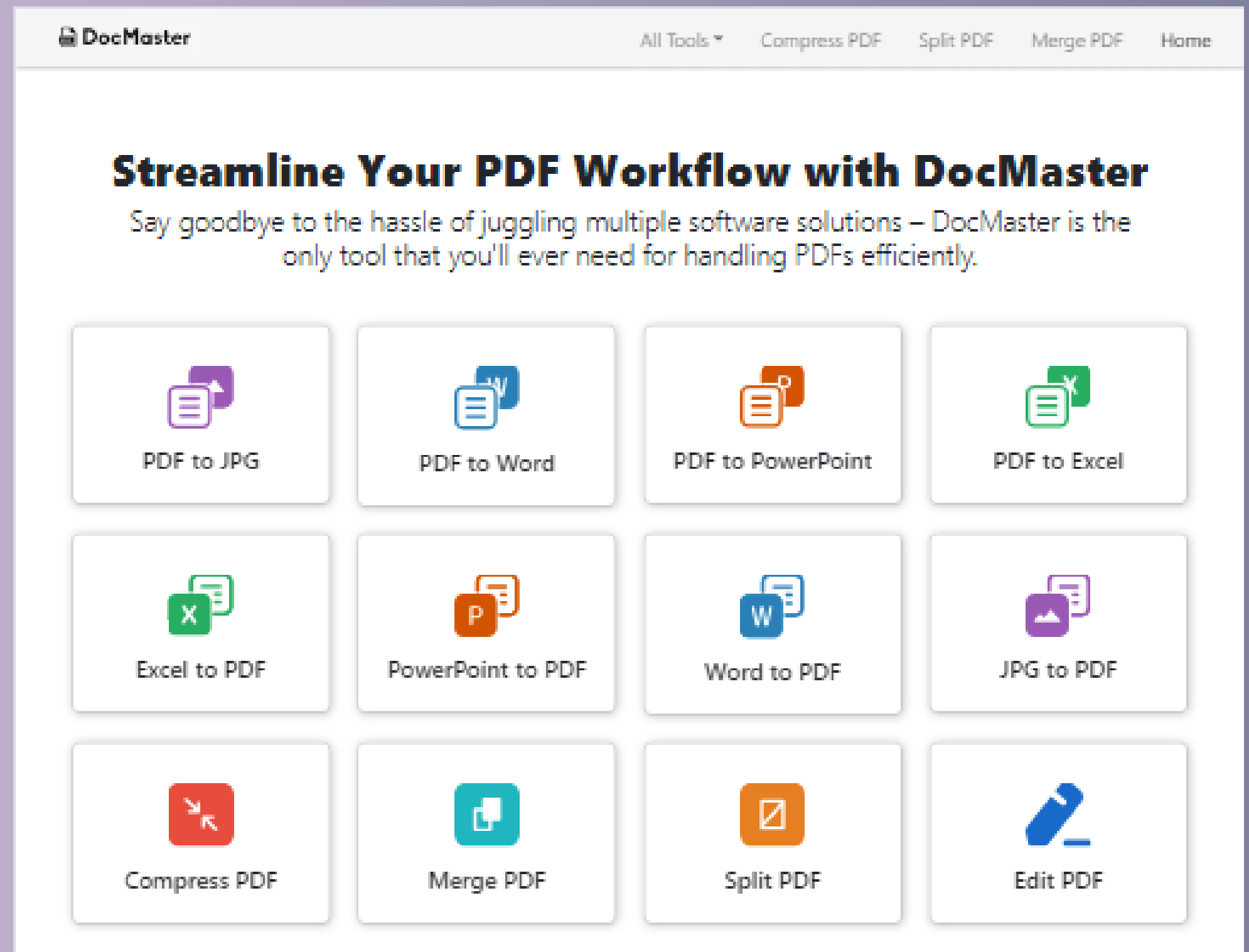
# What we build?

## Frontend

In our project, Avinash and Vishal handle the front part. Avinash uses ReactJS to design the main look of our app, while Vishal makes sure its responsiveness across all devices. Vishal also creates cool pictures and various SVGs used in the project.

## Backend

For the backend part, Mohit has been responsible for integrating ConvertAPI, allowing seamless conversion of documents between different formats and facilitating various operations. Ankit, on the other hand, has taken charge of integrating the Apyryze WebViewer: JavaScript Document SDK, thereby enabling the PDF Editor component to function effectively within our project.



Home Page



DocMaster

All Tools ▾Compress PDFSplit PDFMerge PDFHome

# Streamline Your PDF Workflow

Say goodbye to the hassle of juggling multiple software solutions – DocMaster is the only tool that you'll ever need for handling PDFs efficiently.

PDF to JPG

PDF to Excel

PDF to Word

PDF to PowerPoint

JPG to PDF

Excel to PDF

Word to PDF

PowerPoint to PDF


Edit PDF

Split PDF

Merge PDF


Compress PDF

## Our Features




### File Conversion Without Losing Quality

Converting a PDF to Word may seem tricky, but with the right tool, it's easy as pie. We've partnered with Solid Documents and Abby—the best converters on the market for optimal quality.



### Quick Conversion Without Sign-up

You don't need to create an account or provide any personal information to access our services. Our converter is freely available to all users and can swiftly process your files within seconds.



### Data Protection & Security

The safety and security of your data are paramount. After using our services and closing our application, your files are automatically deleted from our servers. For more details, read our privacy policy.

DocMaster

## Streamline Your PDF Workflow with DocMaster

Say goodbye to the hassle of juggling multiple software solutions – DocMaster is the only tool that you'll ever need for handling PDFs efficiently.

PDF to JPG

PDF to Word

PDF to PowerPoint


PDF to Excel

Excel to PDF

PowerPoint to PDF


Word to PDF

JPG to PDF




### Safe Document Processing

We care about file and data privacy. That's why we use TLS connections, are GDPR compliant, and ISO/IEC 27001 certified. All files are deleted from our servers after one hour. Learn more about the privacy here.



### Quick Conversion Without Sign-up

You don't need to create an account or provide any personal information to access our services. Our converter is freely available to all users and can swiftly process your files within seconds.



### A Complete PDF Tool Suite


You don't need expensive software to convert, edit, sign, or read PDFs. Smallpdf offers a full suite of PDF tools for you to get the most out of the best document format.

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All Tools ▼ Compress PDF Split PDF Merge PDF Home

## Compress PDF



Choose File No file chosen

or drop Files here

DocMaster

All Tools ▼

PDF to JPG

PDF to Excel

PDF to Word

PDF to PowerPoint

JPG to PDF

Excel to PDF

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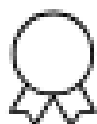
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Home

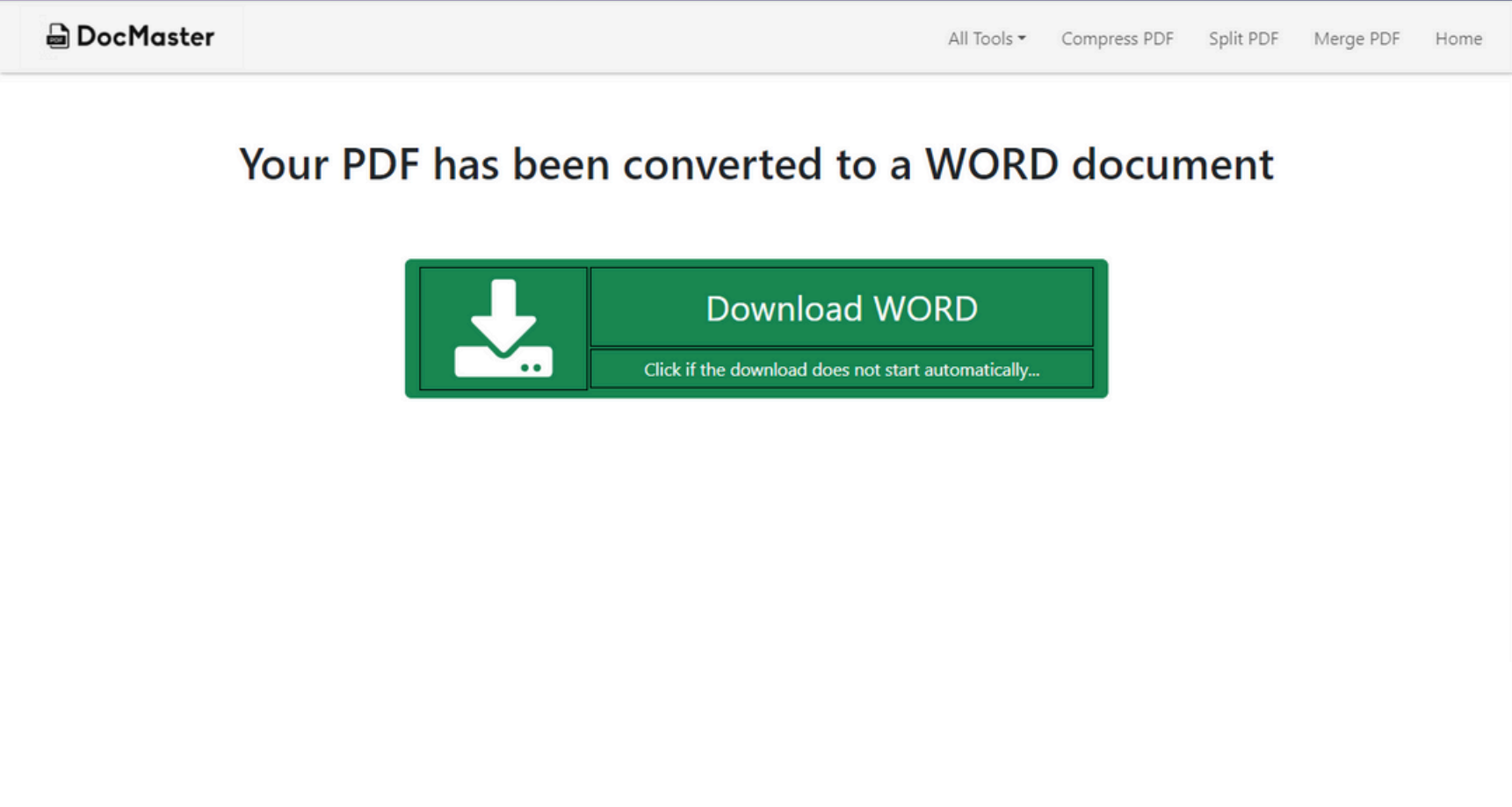
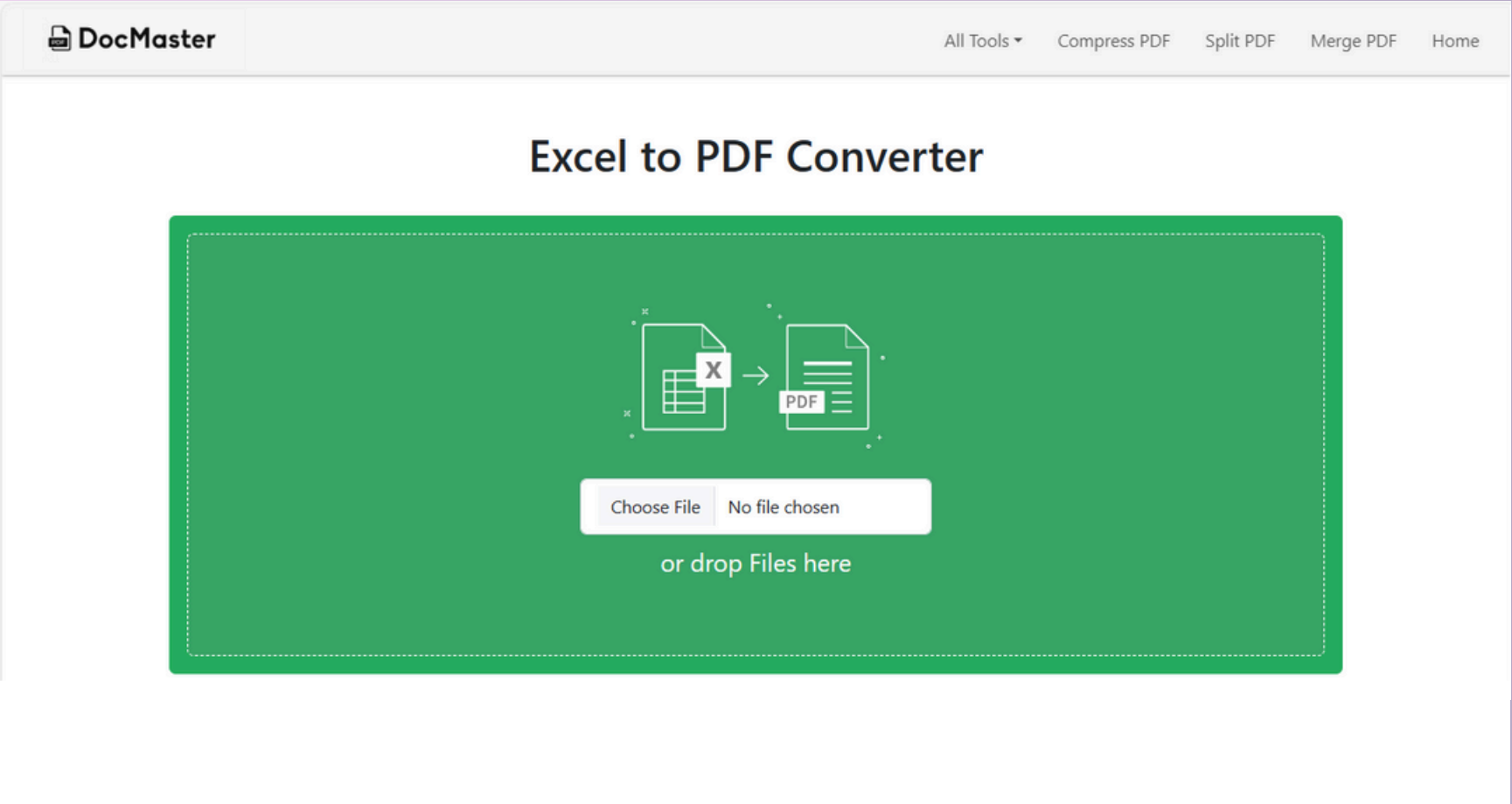
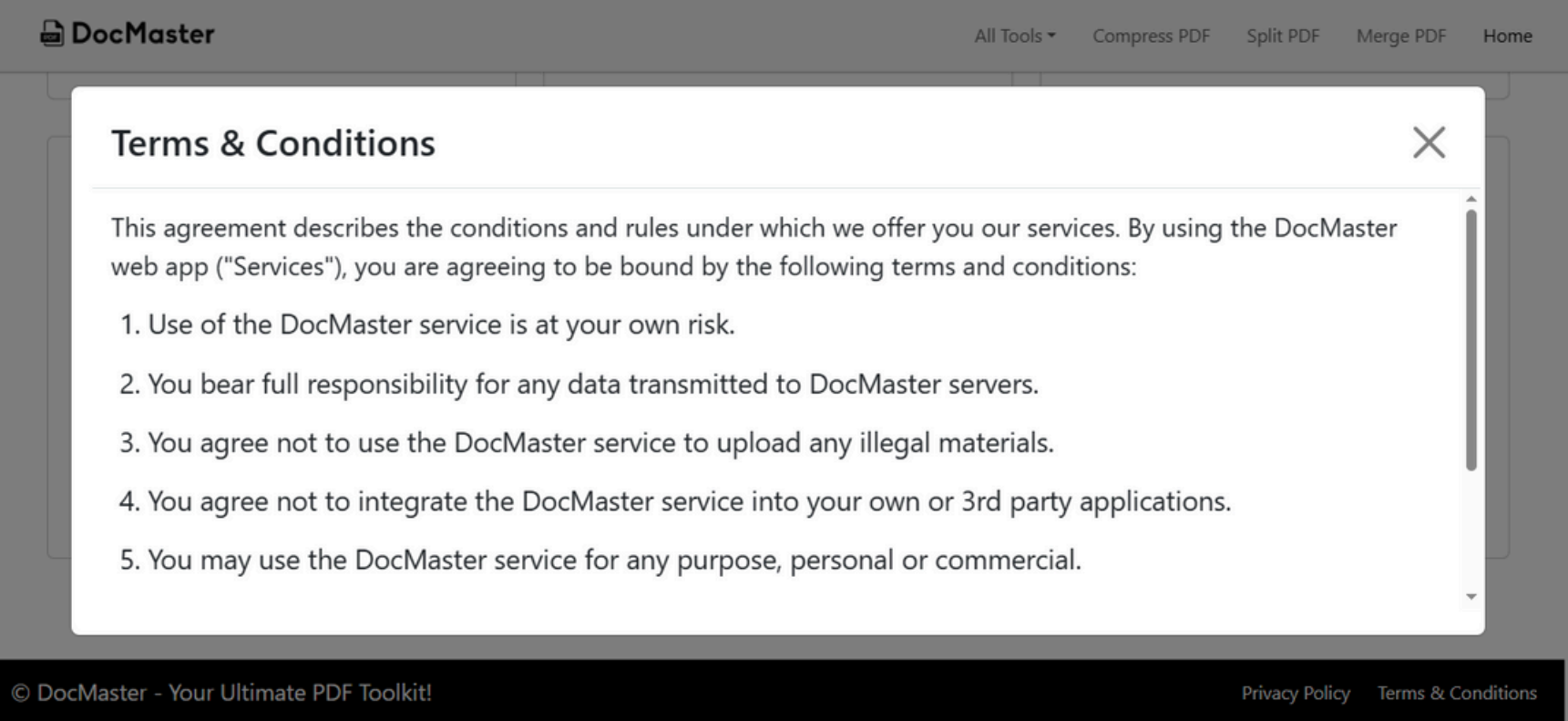
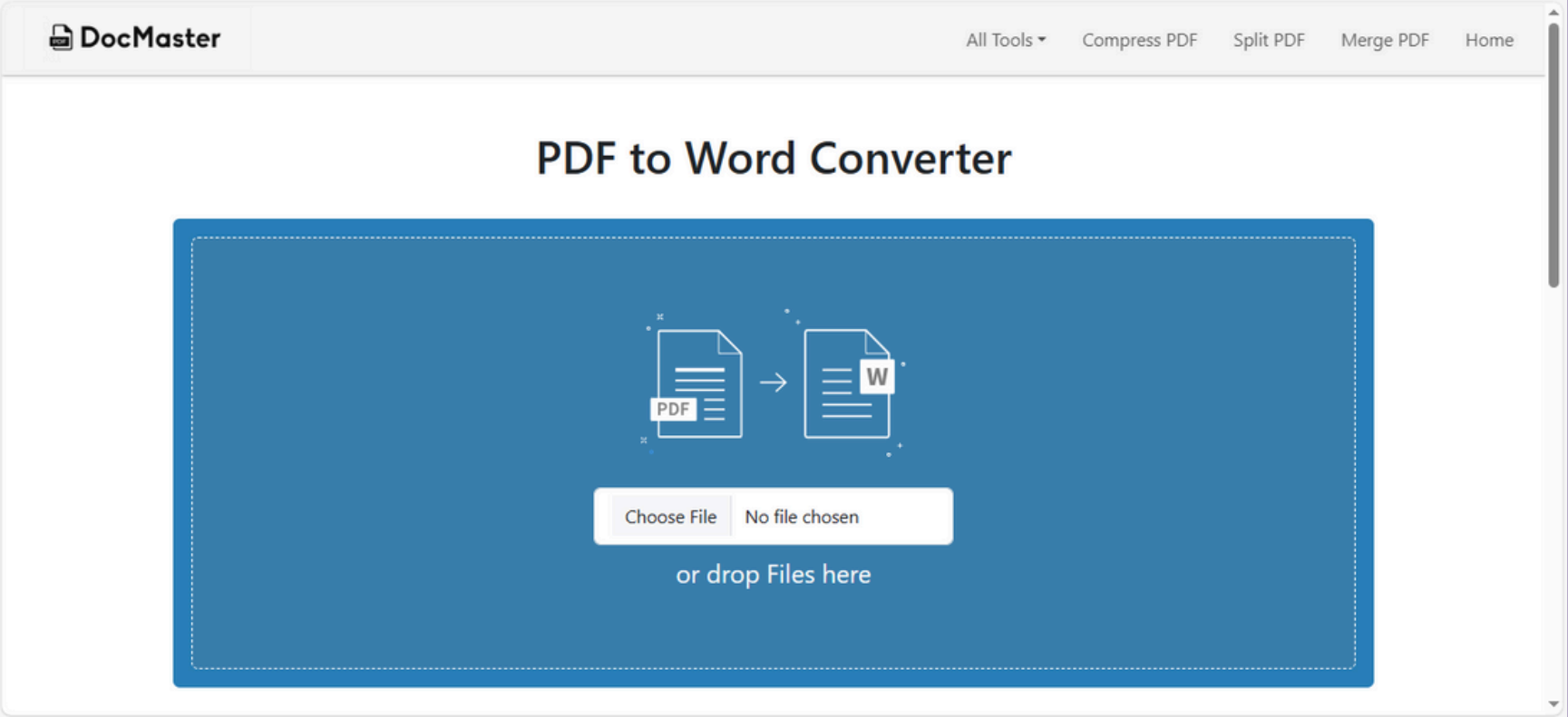
## Our Features



### File Conversion Without Losing Quality

Converting a PDF to Word may seem tricky, but with the right tool, it's easy as pie. We've partnered with Solid Documents and Abby—the best converters on the market for optimal quality.





- Download
- Save As
- Print
- Settings

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**DOCMASTER**

## PROJECT SYNOPSIS



BACHELOR OF TECHNOLOGY



COMPUTER SCIENCE &amp; ENGINEERING



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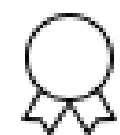
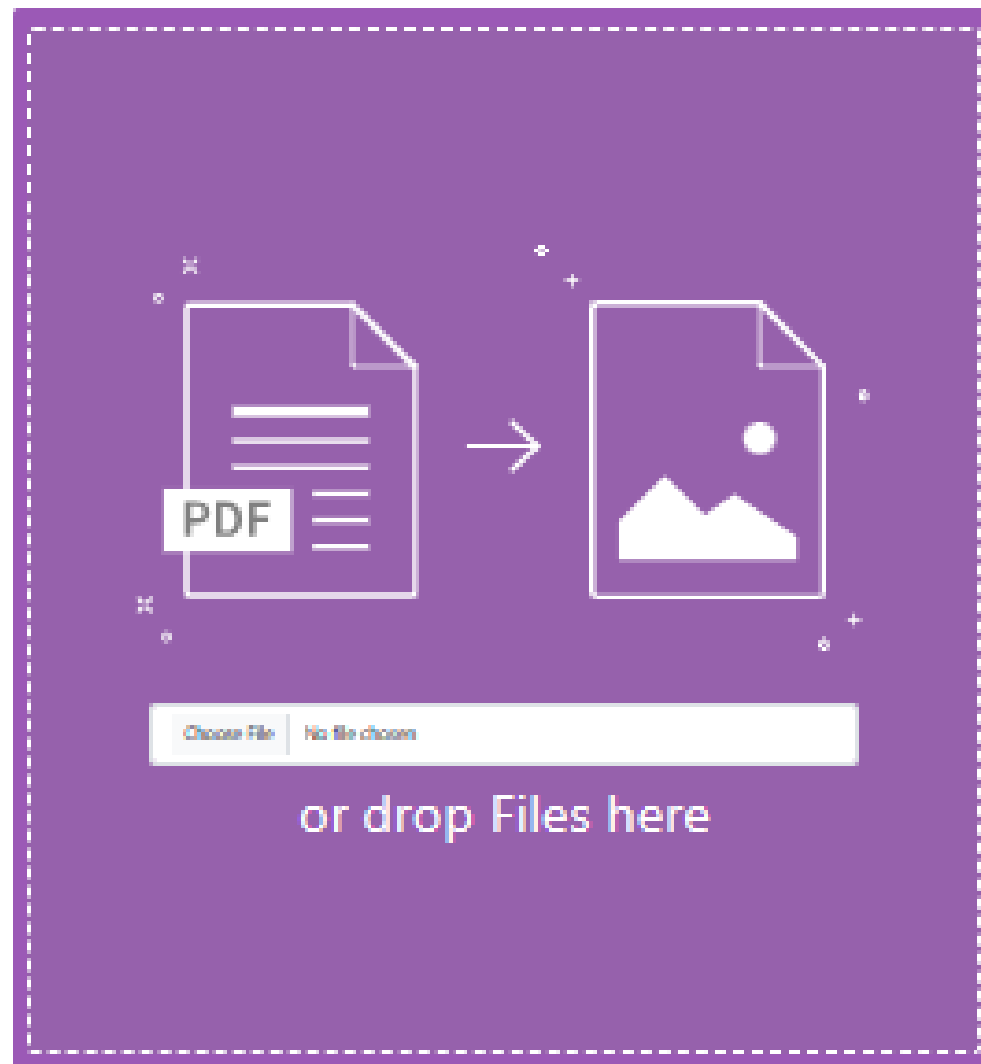


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~~(AFFILIATED TO NDC/ ECMT (a))~~

# Convert PDF to JPG



File Conversion Without Losing Quality

## Split by custom range

From Page:

To Page:

Split PDF

## Select compression level

☐ Less quality, high compression

☐ Good quality, good compression

☐ High quality, less compression

Compress PDF

# Conclusion:

In conclusion, DocMaster stands as a reliable and user-friendly solution for managing PDF documents effectively. By leveraging modern web technologies, DocMaster streamlines PDF tasks, enhancing productivity and simplifying the process for users. With its commitment to continuous improvement, DocMaster promises to remain a valuable asset for professionals and individuals seeking efficient PDF management solutions.

# References:

- Mozilla Developer Network (MDN) Web Docs for HTML, CSS, and JavaScript: [<https://developer.mozilla.org/>]
- React Bootstrap: [<https://react-bootstrap.netlify.app/>]
- Express.js Documentation: [<https://expressjs.com/en/api.html>]
- React.js Documentation: [<https://reactjs.org/docs/getting-started.html>]
- Node.js Documentation: [<https://nodejs.org/en/docs/>]



**THANK  
YOU!**