

XTRACTION

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Introduction

In an era in which the digital documentation became important part of our life, the need of document manipulations tools has become increasingly visible. The XTRACTION is a online platform designed to address these needs comprehensively.

Our Primary functions will be :

1. PDF To Word Conversion
2. PDF To JPG Conversion
3. Merging PDFs
4. PDF To Text Extraction

Purpose

The Purpose of this project is to develop a Document Manipulation Website that provides users with a set of tools for seamless transformation and management of documents with focus on PDF to Word Conversion, PDF to JPG format, PDF merging and PDF to text extraction

Objectives:

1. Easy Data Extraction : Enable users to extract text content from PDF files, and improved information retrieval.
2. Feedbacks Provides : Establish a feedback mechanism for users to suggest improvements .
3. User friendly interface : Website will be easy to use even if you don't have any knowledge about computers with steps.

Existing System

The Existing System has some drawbacks : -

1. **Less features** : The existing system may offer limited features in a single platform
2. **Lack of User-friendly interface**: The existing system might lack a user-friendly interface, making it difficult for users to perform document manipulation tasks easily
3. **Limited Compatibility** : The existing system might not support modern web browsers and can have compatibility issues.

Proposed SYSTEM

The proposed system will have following features :-

1. **More features** : Users can perform these features within a single platform.
2. **Lack of User-friendly Interface** : XTRACTION will have a user-friendly interface designed which makes easy for the users to use this.
3. **Security Concerns** : Our System prioritizes security and data privacy.
4. **Limited Compatibility** : Our system will be compatible with modern web browsers , ensuring accessibility to a wider user base.

Advantages Of Proposed Module

1. Convenience and Efficiency : Users can perform various document related tasks in one centralized platform, saving time and effort.
2. Cost-Effective : Users can avoid the need for purchasing and installing separate software for each specific document manipulation task, reducing software costs.
3. Accessibility : The web-based nature of the platform allows users to access and use the features from any device with an internet connection, promoting accessibility and flexibility.
4. Data Extraction for Analysis : Users can extract valuable data from PDFs for analysis and for many purposes.

Functionality

1. **User-friendly Interface** : We will create a user friendly interface where users can access the main features of the website.
2. **PDF to Word Conversion** : Users can convert PDF files into word files without any problem.
3. **PDF to JPG conversion** : Users can chose pdf files and can convert that files into JPG format.
4. **Merging PDFs** : - Users can merge PDF files .
5. **Data Extractions from PDF** : Users can extract data from PDF files.

Technology to be Used

1. **Programming Languages** : HTML, CSS , JAVASCRIPT, PHP
2. **Front End Framework** : HTML, CSS, JAVASCRIPT, BOOTSTRAP
3. **Document conversion and manipulation libraries** : I LOVE PDF REST API
4. **Feedback Mechanism** : Javascripted star rating and MySQL

Data Flow Diagrams

