JLT India Challenge Doc Assist

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Features

➔ Batch Processing: Capability to take in multiple input data records simultaneously and generate a document for each of them
➔ Integration of NLP Models: Usage of NLP for matching data input fields
➔ Input from various file formats (json, csv, xml): Take data records from various file formats and populate the document accordingly
➔ Third Party Database Integration: Read data from dumps of MySQL, MongoDB and other databases
➔ File format conversion: Convert data files into various formats (json, csv, xml)

Features

➔ Multiple Output Formats: Output document in various file formats (docx, pdf, jpg, html, etc)
➔ Table Population: HTML table to document table
➔ Image Population: Put image in document, on the basis of image file path
➔ Live input from user: User is given the option of entering the data manually
➔ Easy-to-use UI/UX: Makes it simple for users of non-technical background, to use the application
➔ Login and Sign Up: Password-protected application

Technology Stack

➔ Electron: To design the desktop application
➔ NodeJS: To implement the server for the application
➔ Python: For the core functionalities
  ◆ To populate data records
  ◆ To extract data from various data formats
  ◆ To output into multiple file formats
  ◆ Batch processing
➔ Spacy: For NLP