Assignment 2: Software Requirements Specification

Team: Group Five

Project Title: Legal PDF Services

## Members:

1. Mark
2. John
3. Dio
4. Jayaun

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| **Meetings date** | **Participants** |
| 09/19/2024 | A, B, C, D |
| 09/25/2024 | A, B, C, D |
| 10/01/2024 | A, B, C, D |

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| **Stakeholders** | **Requirements** |
| Law Firm | FR1, FR2, FR3, FR4, FR5, FR6, FR7, FR8, FR9, FR10, FR11, FR12,  FR13, FR14, NFR1, NFR2, NFR2, NFR3, NFR4, NFR5, NFR6 |
| Clients | FR1, FR2, FR3, FR4, FR5, FR6, FR7, FR8, FR9, FR10, FR11, FR12,  FR13, FR14, NFR1, NFR2, NFR2, NFR3, NFR4, NFR5, NFR6 |
| Independent Customer | FR1, FR2, FR3, FR4, FR5, FR6, FR7, FR8, FR9, FR10, FR11, FR12,  FR13, FR14, NFR1, NFR2, NFR2, NFR3, NFR4, NFR5, NFR6 |
| Users of Free Version | FR1, FR2, FR3, FR4, FR5, FR6, FR7, FR9, FR10, FR11, FR12,  FR13, FR14, FR15, NFR1, NFR2, NFR2, NFR3, NFR4, NFR5, NFR6 |
| Developers | FR1, FR2, FR3, FR4, FR5, FR6, FR7, FR8, FR9, FR10, FR11, FR12,  FR13, FR14, FR15, NFR1, NFR2, NFR2, NFR3, NFR4, NFR5, NFR6 |
| All | FR1, FR2, FR3, FR4, FR5, FR6, FR7, FR8, FR9, FR10, FR11, FR12,  FR13, FR14, FR15, NFR1, NFR2, NFR2, NFR3, NFR4, NFR5, NFR6 |

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| **NFR1.** | | |
| Goal: Dependability | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| Description: The program should perform the merging operation accurately and consistently without errors. It should handle edge cases, such as corrupted files, gracefully. | | |
| Origin: Meeting number 1 | | |
| Version: 1.0 | Date: 09/25/2024 | Priority: 1 |

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| **NFR2.** | | |
| Goal: Reusability | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| Description: The user interface should be intuitive and easy to use, allowing users to merge PDFs with minimal effort. Clear instructions and feedback should be provided throughout the process. | | |
| Origin: Meeting number 1 | | |
| Version: 1.0 | Date: 09/25/2024 | Priority: 2 |

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| **NFR3.** | | |
| Goal: Portability | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| Description: The program should be portable across any desktop application using the chrome browser, allowing users to run it on their preferred devices. | | |
| Origin: Meeting number 1 | | |
| Version: 1.0 | Date: 09/25/2024 | Priority: 3 |

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| **NFR4.** | | |
| Goal: Scalability | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| Description: The program should handle merging larger files or multiple files without significant degradation in performance. It should be able to merge PDFs of varying sizes and numbers of pages up to two files up to a cumulative 10 MB in total file size. | | |
| Origin: Meeting number 1 | | |
| Version: 1.0 | Date: 09/25/2024 | Priority: 4 |

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| **NFR5.** | | |
| Goal: Performance | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| Description: The program should merge PDF files quickly and efficiently, with minimal processing time. For example, it should be able to merge two 100-page PDFs within a few seconds. | | |
| Origin: Meeting number 1 | | |
| Version: 1.0 | Date: 09/25/2024 | Priority: 5 |

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| **NFR6.** | | |
| Goal: Safety | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| Description: The program should ensure that the PDF files are handled securely, with no unauthorized access or data breaches. If the program is web-based, it should use secure protocols (e.g., HTTPS). | | |
| Origin: Meeting number 1 | | |
| Version: 1.0 | Date: 09/25/2024 | Priority: 6 |

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| **FR1. Upload PDF** | | |
| Goal: The program is able to accept PDFs from the user to be uploaded from the user’s machine into the program. | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| The program will accept at least two PDFs from the user. The user will provide both PDFs from the machine. | | |
| Origin: Requirement identified at meeting one | | |
| Version: 1.0 | Date: 09/19/2024 | Priority: 1 |

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| **FR2. Download PDF** | | |
| Goal: The program allows a user to download the PDF after changes have been made to it. | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| The program returns a PDF for the user to download. The user is able to take that PDF and save it to their machine. | | |
| Origin: Requirement identified at meeting one | | |
| Version: 1.0 | Date: 09/19/2024 | Priority: 1 |

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| **FR3. Select pages** | | |
| Goal: The program allows the user to select which pages to merge. | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| The user should be able to customize which pages they want from the PDFs they are either merging or splitting. The user needs to be able to select whatever pages they will keep in the final returned PDF. | | |
| Origin: Requirement identified at meeting two | | |
| Version: 1.0 | Date: 09/25/2024 | Priority: 1 |

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| **FR4. Order PDF Pages** | | |
| Goal: The program can reorder the pages of the PDF | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| The user is able to reorder the pages within the PDF prior to downloading the PDF. | | |
| Origin: Requirement identified at meeting two | | |
| Version: 1.0 | Date: 09/25/2024 | Priority: 1 |

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| **FR5. Merge Two Separate PDFs** | | |
| Goal: The program can take two pdfs and combine them into a single PDF | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| The user will provide the two PDFs. The program takes both of those PDFs and returns them as a single PDF with all the pages of both PDFs included. | | |
| Origin: Requirement identified during project proposal. | | |
| Version: 1.0 | Date: 09/02/2024 | Priority: 5 |

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| **FR6. Split PDF** | | |
| Goal: The program can split an existing PDF into two separate PDF files. | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| When a customer wants to have two separate PDF files they may split a PDF into two files for proper arranging, organizing, or managing. They can specify page ranges. Example: A 100 page PDF file can be turned into five 20-page PDF files. | | |
| Origin: Meeting number 1 | | |
| Version: 1.0 | Date: 09/19/2024 | Priority: 6 |

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| **FR7. Delete** | | |
| Goal: The program can cut pages off of a single PDF file and return a new PDF file with the remaining pages | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| Users can choose one or several pages to delete by specifying numbers or selecting them. This helps eliminate clutter by getting rid of blank pages, duplicate pages, or irrelevant information from the PDF which results in more concise and relevant information being presented. | | |
| Origin: Requirement identified at meeting two | | |
| Version: 1.0 | Date: 09/25/2024 | Priority: 7 |

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| **FR8. Adding text boxes** | | |
| Goal: The program can add text entry boxes to selected pages of the PDF | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Developers | | |
| Users can click on any desired location on the PDF to place a text box and enter customizable text. The text box can be moved or resized. This will be useful for adding annotations, comments, captions, or any clarification that is needed for the PDF file. | | |
| Origin: Meeting number 1 | | |
| Version: 1.0 | Date: 09/19/2024 | Priority: 8 |

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| **FR9. Rotate pages** | | |
| Goal: The program can rotate selected page orientation | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| Users can select specific pages to rotate or can rotate all pages. Rotations will include 90-degree clockwise and counterclockwise rotation, and a 180-degree rotation. This will help correcting orientation for pages that may be incorrectly rotated or that appear to be upside down, which allows that the content is properly presented. | | |
| Origin: Meeting number 2 | | |
| Version: 1.0 | Date: 09/29/2024 | Priority: 9 |

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| **FR10. Spell check text** | | |
| Goal: The PDFs saved in the database have text forms inside them that can be spell checked | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Software Developers | | |
| Users can run the spell check and misspelled words will be shown as highlighted or underlined while giving users suggestions for corrections. The feature could include the ability to ignore the suggestion or replace the incorrect spelling with the correct spelling. This will improve the professionalism of the PDF file by reducing the amount of errors. | | |
| Origin: Meeting number 1 | | |
| Version: 1.0 | Date: 09/19/2024 | Priority: 10 |

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| **FR11. Drag and Drop Upload** | | |
| Goal: Users should be able select a file from their file explorer and drag and drop onto a GUI that will then be staged for upload. | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| The feature allows users to easily select a file from their computer's file explorer and drag-and-drop it directly onto a graphical user interface (GUI) for staging before upload. This functionality simplifies the file upload process by eliminating the need to navigate through multiple steps, making it more intuitive and user-friendly. Implementing this feature will enhance user experience by providing a faster, more efficient method for handling files. | | |
| Origin: Came up with in original meeting discussing requirements. | | |
| Version: 1.0 | Date: 09/29/2024 | Priority: 11 |

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| **FR12. Preview Before Downloading** | | |
| Goal: The GUI has preview tiles for pdfs uploaded by the user | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| Once the user is finished editing the file there should be functionality display a preview of the final file before download. This allows for the user to check for any mistakes and/or add changes. | | |
| Origin: Meeting 1 | | |
| Version: 1.0 | Date: 09/29/2024 | Priority: 12 |

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| **FR13. Display Upload, Split, and Merge Buttons** | | |
| Goal: The GUI has buttons which the user can click to access the said functionality. | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Users of the free product, Software Developers | | |
| There should be clickable button that allows for the user to use the functions like uploading a file, splitting a document into parts, and merging two documents together. | | |
| Origin: Meeting 1 | | |
| Version: 1.0 | Date: 09/29/2024 | Priority: 13 |

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| **FR14. Text Entry for Required Pages** | | |
| Goal: The GUI allows the user to type in which pages they want to keep. The user can order the pages by using hyphens to string an existing order, or commas to start a new order. | | |
| Stakeholders: Legal Firm, Legal Firm Clients, Independent Customers, Software Developers | | |
| The GUI enables users to input specific page numbers they want to retain from a document or file. Users can organize the pages in two ways: by using hyphens to indicate a continuous range of pages, or by using commas to start a new sequence of pages in any order. This feature enhances user control by allowing precise customization of which pages are kept and how they are organized. It streamlines document management, making it easier for users to extract and organize relevant content quickly, improving efficiency and reducing time spent on manual page sorting. | | |
| Origin: Meeting 1 | | |
| Version: 1.0 | Date: 09/29/2024 | Priority: 14 |

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| **FR15. Watermark** | | |
| Goal: Create a custom watermark stamp that will display on each page once the PDF is downloaded to the user’s device. | | |
| Stakeholders: Users of the free product, Software Developers | | |
| When a free user is finished editing the document there should be a watermark that displays on each page with our groups name of choosing. This would incentivize users to opt in for a paid version that removes the watermark while also advertising our extension to outside sources that may see the watermark. | | |
| Origin: Came up with on 3rd meeting after discussing two different paid and free versions. | | |
| Version: 1.0 | Date: 09/29/2024 | Priority: 15 |