File Converter: Requirements Document (version 1.0)

Project: File Converter (Name: Formatty)

Date(s): February 2, 2021

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Document status: _X_ Draft __ Proposed __ Validated __ Approved

1. Introduction

This document contains the system requirements for File Converter. These requirements have been derived from several sources, including ***brief listing of most important sources***.

1.1 Purpose of This Document

This document is intended to guide development of File Converter. It will go through several stages during the course of the project:

1. **Draft:** The first version, or draft version, is compiled after requirements have been discovered, recorded, classified, and prioritized.

2. **Proposed:** The draft document is then proposed as a potential requirements specification for the project. The proposed document should be reviewed by several parties, who may comment on any requirements and any priorities, either to agree, to disagree, or to identify missing requirements. Readers include end-users, developers, project managers, and any other stakeholders. The document may be amended and re proposed several times before moving to the next stage.

3. **Validated:** Once the various stakeholders have agreed to the requirements in the document, it is considered validated.

4. **Approved:** The validated document is accepted by representatives of each party of stakeholders as an appropriate statement of requirements for the project. The developers then use the requirements document as a guide to implementation and to check the progress of the project as it develops.

1.2 How to Use This Document

We expect that this document will be used by people with different skill sets. This section explains which parts of this document should be reviewed by various types of readers.

Types of Reader

➢ Python developers, front-end developers, back-end developers, Computer Programmers, and all people who are going to be helping out in the development of this project.

Technical Background Required

The technical background needed to understand the document are:

➢ Understanding of Python programming language
➢ General knowledge of front-end and back-end
➢ Familiarity with document types such as pdf, docx, etc.

Overview Sections

➢ Scope
➢ Business case for the Product
➢ General description

1.3 Scope of the Product

➢ An online file converter, which would convert .doc to .pdf, .jpg, or many other file formats.
➢ Users will be able to upload the file, and then download or share the converted file.
➢ Must be working and easy to use.

1.4 Business Case for the Product

➢ To provide an easy way to convert files
➢ To provide a convenient to share and download files

1.5 Overview of the Requirements Document

- ➢ Must be working
- ➢ Must be simple to use
- ➢ Must be intuitive
- ➢ Must serve user's needs

2. General Description

This section will give the reader an overview of the project, including why it was conceived, what it will do when complete, and the types of people we expect will use it. We also list constraints that were faced during development and assumptions we made about how we would proceed.

File converter will provide an easy way to upload any files that can be easily shared and allow it to be downloaded in any format

2.1 Product Perspective

We have chosen to develop a File Converter because it would be beneficial for many users to convert their files to the desired format including download and share options.

2.2 Product Functions

The main functions are:

- ➢ Convert any file into any format
- ➢ Store and share the document
- ➢ Download the converted file

2.3 User Characteristics

We expect students, teachers, companies, and many other people who want to convert any file to any format to use our finished product.

Users should have:

- ➢ Basic knowledge of using computer
- ➢ A document to be converted

2.4 General Constraints

➢ Front end will be developed using html
➢ Back end will be developed using python and flask
➢ Will input most file types and convert to most file types

2.5 Assumptions and Dependencies

➢ Users will be using this file converter with canvas or TITANium
➢ Requires the user to choose the format

3. Specific Requirements

This section of the document lists specific requirements for File Converter. Requirements are divided into the following sections:

1. User requirements. These are requirements written from the point of view of end users, usually expressed in narrative form.

2. System requirements. These are detailed specifications describing the functions the system must be capable of doing.

3. Interface requirements. These are requirements about the user interface, which may be expressed as a list, as a narrative, or as images of screen mock-ups.

3.1 User Requirements

The user requirements will include:

➢ Must have a computer, mouse, and keyboard
➢ Upload a document in any format
➢ Select a format to be converted
➢ Users should have an access to the internet

3.2 System Requirements

➢ This file converter will be coded in Python.
➢ It will work on many platforms.

3.3 Interface Requirements

➢ Clear and simple
➢ Straightforward
➢ Easy to share
➢ Compatible with any browser