

# Team 37 Project Charter

## Team Members:

- Brennan Frank
- Kye Jocham
- Aneesh Pendyala
- Yang Zhenyao
- Sergio Alvarez

## Project Title

- EasyDraft Document AutoFill Software

## Problem Statement

Businesses, like law firms, have to change the same document for multiple clients. Usually, they change the same thing in each document like client names, employee numbers, or account numbers. Our solution is to create a template processor, where there are placeholders in a document and the user inputs information to replace the placeholders in each document. Existing solutions do not have enough customization for the users to easily upload and edit their template for mass document processing. Using a find-and-replace in Microsoft Word, for example, is slow and inefficient, and more importantly it only works for one document at a time. This makes it an inadequate solution for editing the same boilerplate document when you need to do this for multiple clients at once or need to generate multiple outputs from the same template. Our project will be perfect for this use case.

## Project Objectives

- Parse through user given template to prepare it for filling out
- Allow users to save and reuse original templates
- Allow users to efficiently create many instances of a template with certain things different (such as many documents that differ in client name)
- Support different font styles and data types
- Allow users to upload as a familiar document(such as .docx) and export as a familiar document(such as .pdf)
- Have a section that clearly explains to users how to use the program and upload templates
- Design an easy to use GUI, visual elements to guide the users.

## Stakeholders

**Users:** Primarily business owners and administrators, law firms dealing with boilerplate documents, medical offices

**Developers:** Brennan Frank, Kya Jocham, Aneesh Pendyala, Micheal Yang, Sergio Alvarez

**Project Manager:** Jakob Hain

**Project Owners:** Brennan Frank, Kye Jocham, Aneesh Pendyala, Micheal Yang, Sergio Alvarez

## Deliverables

By the end of this project, we will have a document templating and editing software with graphical interface elements such that businesses can make common edits to documents very quickly. This software will include a way to upload templates to use and a way to make common replacement edits to template documents in aggregate (with many documents being generated from the template from one use).

We plan to use C++ to make a local application on the system. We will include a C++ graphical framework, such as Qt. Our project will definitely release on Windows, but very possibly on other platforms like Mac and Unix if our tech stack allows it.