**Software Design Plan**

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# A. Business Case

## 1. Problem Statement

The web application is requesting the wrong fiscal data for business older than 5 years. It is requesting the *first* 5 fiscal years of a business’ financial data, rather than the *latest* 5 years. Ticket #D480-AEN1 summarizes this issue, and provides an example case: For a business established in the year 2000, the web application is requesting financial data for the fiscal years of 2000-2004, rather than the expected 5 years of data (2018-2023).

## 2. Business requirements

### Generating Loan Profiles for Well Established Businesses

Endothon Finance needs to be able to generate loan profiles for well established businesses. In order to do this, the application must collect the business’ past 5 years of financial data in order to construct the loan profile.

### Generating Loan Profiles for Newer Businesses

Endothon Finance also needs to be able to generate loan profiles for less established businesses. In order to accomplish this, the application must collect all financial data the business has, and then prompt them to provide projections for the remaining years to fill out a 5-year fiscal map for the business, and then generate the loan profile off of that.

### The problem

The web application is prompting applicants for the *first* 5 years of fiscal data of a business’ history, rather than the latest 5. While the application meets the requirement for newer businesses, it is failing to meet the requirement for well-established ones.

## 3. In-scope action items

* Examine the business logic for a business established more than 5 years ago. This will meet the requirement that this web application generates proper loan profiles for well-established businesses.
* Double check the business logic for a business established within the past 5 years. This will ensure that the web application continues to generate proper loan profiles for newer businesses.

## 4. Out-of-scope action items

* Automating the fiscal projections for a newly established business. Some businesses might want the application to automatically generate fiscal projections for their
* Redesigning the web application user interface

# B. Requirements

## 1. Functional requirements

## 2. Non-functional requirements

# C. Software Design

## 1. Software behavior

## 2. Software structure

# D. Development Approach

## 1. Planned deliverables

## 2. Sequence of deliverables

## 3. Development environment

## 4. Development Methodology