IMPLEMENTATION PLAN
Email Scanner
Team Eagle

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# 1. PROJECT/SYSTEM INFORMATION

1.1 Project Objectives

The System, scheduled for full implementation in December 2016, will provide a way to scan emails to detect if confidential information may be in it. This will allow users to not accidentally send out confidential messages. The System has been designed so it can be trained by the client, which will allow them to make it more accurate, and with that more secure. We have structured it to meet the needs of the user in terms of simplicity and efficiency.

The following Implementation Plan outlines the system implementation environment, the implementation procedures (including change control and test procedures), roles and responsibilities for implementing the system, and the proposed schedule for the implementation.

1.2 System Description

The System is a java based application which implements AWS for a database. The application has three main components. It has the training GUI, the email scanner, and the database. The application opens with the email scanner, and has easy access to the training GUI. The system database stores all of the training emails, and confidential terms and phrases. It contains all of the data needed to check whether an email has confidential items in it or not. The application will be on GitHub, and will be accessible to the client. The client will just have to pull the code and they should be able to run it.

The high level logical architecture of the system production environment is captured in the following diagram.
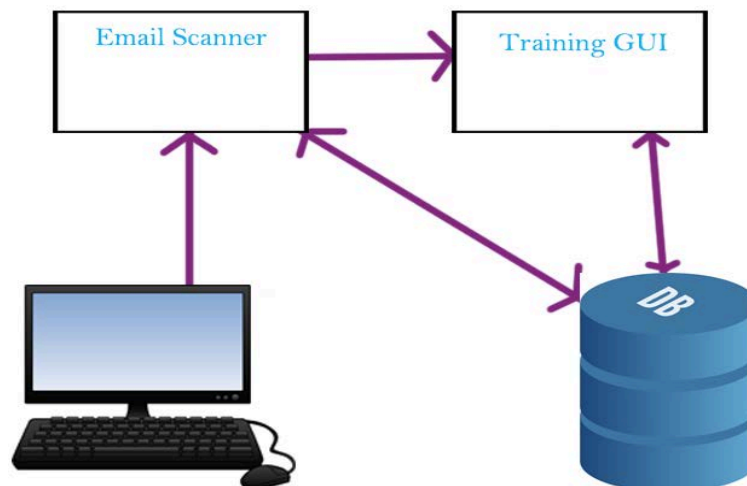
1.3   Assumptions

The following assumptions are made in planning the implementation of the System:

- The client is able to run java 8.
- The client understands basic database entry and pulling methods.
- The client understands the correct format of data that needs to be entered after reading the READ ME files.
- The client has data they can train the database with.

1.4   Document Organization

This remainder of this implementation Plan is organized as follows:

Section 2: Implementation Methodology. Identifies the environment, dependencies, configuration requirements, and the necessary steps and entry / exit criteria for the implementation.
Section 3: Roles and Responsibilities. Describes the main roles and responsibilities for both the client and consultant implementation personnel.
Section 4. Implementation Schedule. Contains the schedule for implementing the system.

2.   IMPLEMENTATION METHODOLOGY

This section describes the information necessary to complete the installation of the system successfully.

2.1   Implementation Environment

This section outlines the proposed hardware and software for implementing the system. Implementation will take place at the clients office. The client will provide and set up all hardware and software required for the implementation activities.

The major hardware and software components of implementing the system are as follows:

Hardware requirements
The client is responsible for providing any machine they choose to use.
Tested operating systems include Windows, Macintosh, & Linux.

Build Software Requirements
Java version 1.8.0_111

2.2   Dependencies

This section lists the dependencies related to the correct operating and use of the system. They should not need any installing if the project is taken from GitHub, because it implements Maven to do all of the setup.

Login Dependencies
The system initiates with a login screen. The details about any passwords/usernames will be provided to the client, along with ways to change them. The database will also have basic login information, which will be given to the client as well.

2.3   Implementation Procedures

This section describes the prerequisites and the steps needed to install the application.

Needed for installation
Internet connection.
Access to GitHub.
Ability to run java programs.

Steps for installation
Take the code from GitHub.
Run the program by either compiling it and running it, or saving it as a jar file.

Confirmation of correct install
User will be greeted with login GUI.
Program is fully functional at this point.

2.4   Entry and Exit Criteria

This section describes the Entry and Exit criteria for the installation process of the system. The Entry Criteria describes the steps taken before the actual installation of the code and the Exit Criteria describes the steps the SE can take to verify the correct installation of the application.

Entry Criteria:
The machine used must have the necessary software, as listed above. The user must have access to GitHub, and all of the information regarding passwords and usernames.

Exit Criteria:
The SE can test to make sure the application has correctly been installed by running the program. They can train the database with some documents, or inputting confidential terms manually. Then they can run a test email and verify that it does give back the correct output as to whether or not the email should be marked as confidential or not. Once the SE verifies this, they can be assured that the application, and the database are all installed and running as designed.

2.5   Change Control Procedure

The client will be able to change the username and password for the initial login of the application, as well as the database login information. The client will also be able to change what is in the database, by adding words or emails to it to make it learn what it should be scanning for.

3   ROLES AND RESPONSIBILITIES

The following table outlines the key roles and responsibilities for both client and consultants.

Position	Responsibilities	Assigned Staff
Client		
Implementation Lead	Install the application and change passwords and usernames for both the application and the database	John Doe
Consultant		
Developers	Fixing any problems detected. Making sure software is up to date at time of delivery.	X
Product Owner	Contact developers about any problems the client runs into.	Y

4.   PROJECT SCHEDULE

The client will be contacted on December 17th about the state of the final product. The client may pull the code from GitHub whenever they wish, and install it.