



SECURE FILE TRANSFER APPLICATION

User Manual

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Introduction

The purpose of this document is to explain how to install and use SafeSend. SafeSend is a secure file transfer application. It is comprised of a graphical user interface (GUI) program that allows user to send and receive files securely between other users in a network.

Administrator

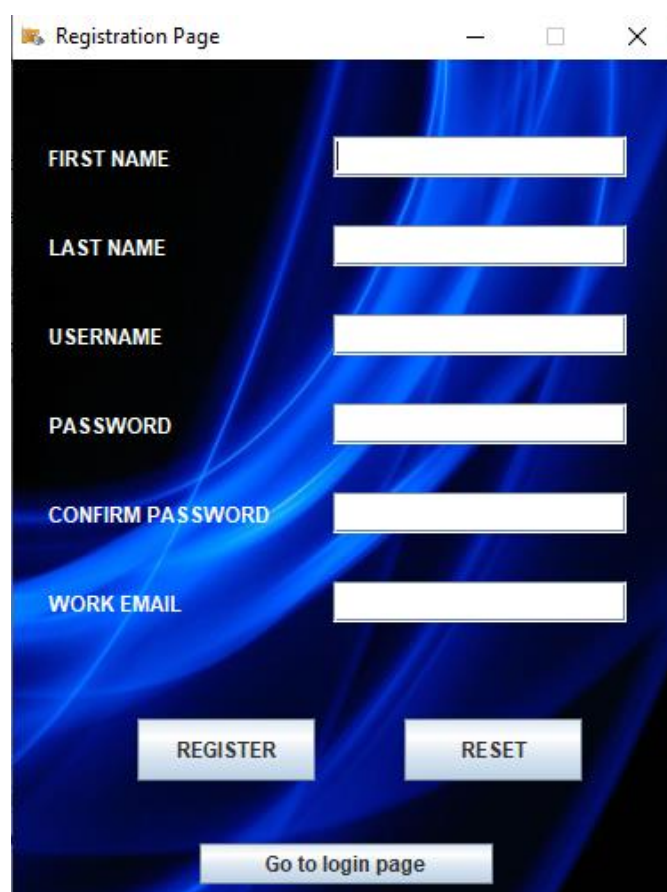
The first step in setting up SafeSend is for the admin to configure the software to suit an organisations' individual network and infrastructure.

The application can then be installed on all employees' machines.

1. Registration

Users are required to register once with the application:

Upon launching the application, users will see the registration page pictured below. Here, users will enter the information required and will become registered with the application. If a user is already registered, they can select the button at the bottom of the screen to go straight to the login page. A reset button is also provided in case a user enters incorrect credentials by mistake and wishes to start again. The reset button clears all the fields on the screen.



The screenshot shows a window titled "Registration Page" with a blue and black abstract background. The form contains the following fields and buttons:

- FIRST NAME**: Text input field
- LAST NAME**: Text input field
- USERNAME**: Text input field
- PASSWORD**: Text input field
- CONFIRM PASSWORD**: Text input field
- WORK EMAIL**: Text input field
- REGISTER**: Button
- RESET**: Button
- Go to login page**: Button

2. Login Page

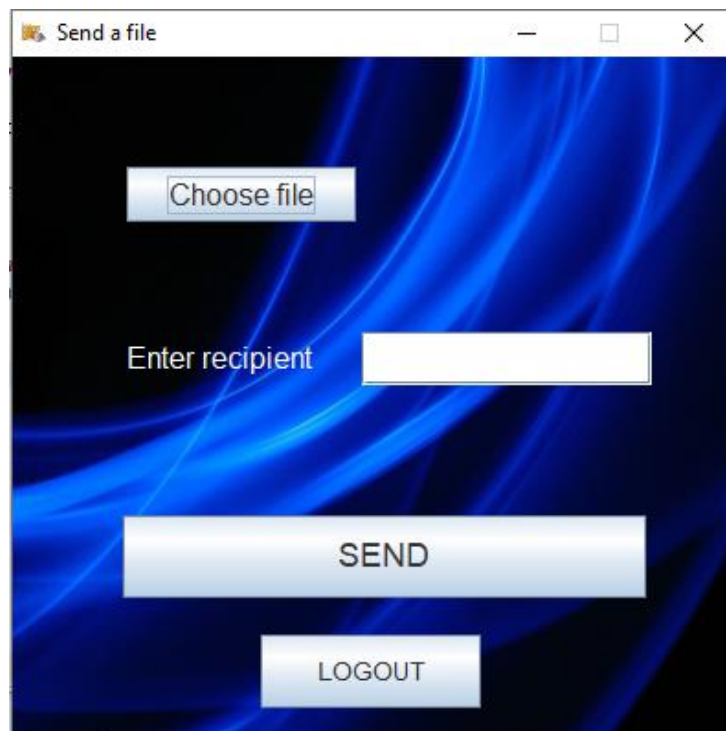
The login page looks as below. Users will enter their username and password to login to the application. A reset button is also provided in case a user enters incorrect credentials by mistake and wishes to start again. The reset button clears all the fields on the screen. Users can also click the link provided at the bottom of the screen to reset their password if necessary.



The screenshot shows a window titled "Login Page" with a blue abstract background. It contains two text input fields labeled "USERNAME" and "PASSWORD". Below these fields are two buttons: "LOGIN" and "RESET". At the bottom center, there is a text link that says "Forgot password".

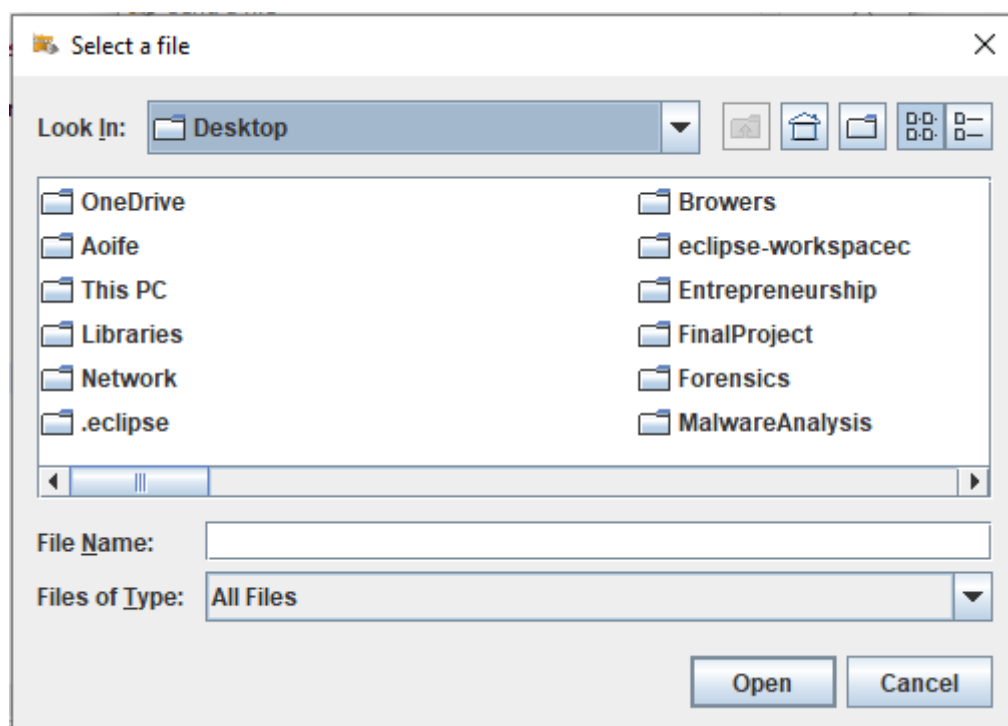
3. Home Page

Upon users successfully logging in to the application, the home page will be automatically loaded, which will be where users send their files.



The screenshot shows a window titled "Send a file" with a blue abstract background. It features a "Choose file" button at the top. Below it is a text input field labeled "Enter recipient". At the bottom, there are two buttons: "SEND" and "LOGOUT".

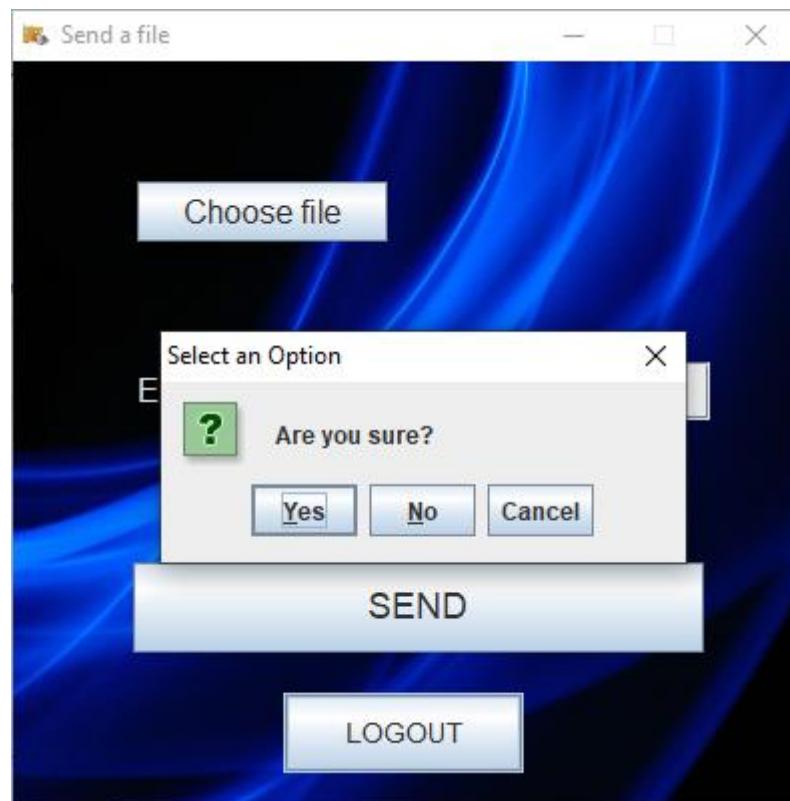
The choose file button will open a file chooser, allowing users to choose a file from their device. The sender will then enter the recipient's name in the field provided and then press the send button. The file will be automatically encrypted and sent to the recipient. This process does not require any further interaction from the sender.



The user on the receiving end must log in to the application using their credentials and the file(s) that was sent to them will be received and automatically decrypted. The user can access and read the received file in the Home Directory of their computer, and then use the application to send a file back if they wish. Recipients can also verify the integrity of a file by ensuring that the provided hash of the received file is the same as that of the original file.

4. Logout Page

Users can logout of the application using the button provided. A pop up box will appear on the screen asking the user to confirm or cancel the logout. If a user clicks the yes option, they will be logged out successfully. If a user clicks no, they will remain logged in to the application until they choose to logout.



System Requirements

SafeSend is a Windows based application, and does not currently support other operating systems.

A Java Runtime Environment (JRE) is required on a device to run this application. The download file for the official version of this is available at: <https://java.com/en/download/>.

System Usage

This application was designed with efficiency and ease-of-use in mind. It is a relatively lightweight application, and should not typically use a large amount of system resources.

A sample screenshot below shows the system usage of the application on a typical modern laptop:

Processes									
Performance App history Start-up Users Details Services									
Name	Status	10% CPU	87% Memory	5% Disk	0% Network	4% GPU	GPU engine	Power usage	Power usage t...
Apps (13)									
Java(TM) Platform SE binary		0.2%	140.6 MB	0 MB/s	0 Mbps	0%		Very low	Very low
Send a file									