

# Software Engineering

# CALCified

— A secret | anonymous file transfer with a calculator

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## Introduction

A Calculator, with the ~~ability~~ability to send private, anonymous data.

### 1. Purpose

To send anonymous and private information, with a mask of calculator.

### 2. Scope

To share documents in a suspicious ~~monitored~~monitored environmentenvironment.

## General Description

A Calculator,

### 1. Functional Requirement

#### In-Scope


- a. To handle three types of customers -- regular users, data senders, data ~~recievers~~receivers
- b. Sending and tracking the data that has been sent
- c. As we are creating a calculator that doubles as a sending and receiving system
- d. Calculator should have a keyboard support and backspace system
- e. User authentication for data tracking
- f. Giving more functionality to the calculator such as converters, scientific calculations etc.
- g. Making a chrome extension with compatibility for Google calculator

#### Out-of-scope

- a. Having a different premium or freemium business model
- b. Actual deployment to actual server

### 2. Non-Functional Requirement

- a. A python environment with django or flask framework installed
- b. Google Chrome ( A web browser )
- c. A working internet connection



### 3. User characteristics

The main users of this system will be any netizen on the internet, who has knowledge about calculator on Google and mail systems.

### 4. General constraints

File storage will be a problem, as the number of users increase. This can be overcome by setting a time and size limit.

### 5. General Assumptions and Dependencies

A python based web hosting system, which can be used by ~~atmost~~ most 1000 people at any given time.

## Final Product

At the end of this project we will have a stunning calculator with secret functions to send files anonymously. We will try to get a chrome extension to read the Google calculator page to replicate the same functions of that calculator.

