

Section 1: Introduction

Software to be Produced:

Our group will be producing software that will help people send and receive electronic messages securely. We will be making an HTML application to implement our software. The system will implement an end-to-end encryption method to ensure the security of sent and received messages. Users will be able to view their messages, and also organize the messages. Spam will be filtered out through the user designated blacklist.

Reference Documents:

copypasta

Applicable Standards:

The encryption standard that we will be using The Advanced Encryption Standard

(<http://csrc.nist.gov/groups/STM/cavp/documents/aes/aesval.html>)

We will be using Ubuntu 14.04 LTS

We will also be using standards for Current generation web browsers

Definitions, Acronyms, and Abbreviations:

Email - Messages sent through the internet from one user to another

Section 2: Product Overview

Assumptions:

Assuming that the user knows how to use email, a web browser, and a computer

Stakeholders:

The stakeholders of this project are the group members, the teacher, and the TA's

Event Table:

Skipped

Use Case Diagram

On the repository

Use Case Descriptions:

The Cases in this diagram are described as follows. Log in, which is used when the user logs in. Log out extends from this case, and allows the user to log out. The user will also be able to Compose Email, this will allow the user to pull up a blank email. Extended from this is the save draft case, which allows the user to save a pre written email that has not been sent. Included in this is the Send email case, which allows the user to send the email that they wrote. The View Email case allows the user to view the emails that have been sent to them. Extended from this is the Organize Email case, which allows the user to organize their inbox by either, time, user, or if the message is read or not. Another case extended from View email is Reply to message, this allows the user to reply to a message that was sent to them. Included in View email is Mark as

read, this means that whenever a user reads a message, it will automatically be marked as read. There is a Create account case, this allows new users to create an account to use. There is also the Edit Profile case which allows the user change certain information associated with their account. The View Contact List case allows the user to view people they have entered into their contact list. Extended from this is the Edit Contacts case which allows the user to edit the contacts in their contact list.