Deign Document: System Structure

Yujia Li (<u>liyj070707@gmail.com</u>) Hang Yuan (<u>hyuan211@gmail.com</u>)

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1 Goals

This design document is aimed to describe the entire system frame at a high-level view. This design only contains basic and brief descriptions to the system structure in different layers and associated functions.

The entire project will be separated into two parts, client side and server side, even though all these two parts have a really similar structure.

2 Design

This is a general structure design for both client side and server side. Though there are several differences between each other, we want to briefly introduce the structure.

2.1 Structure Layer

Based on the functional needs designed for this project, we split the entire program into five layers, consisting of eleven function units. The diagram of the layer is shown below:

IO Layer			File I/O		
Manager Layer	Email Data Manager	User Info Manager	System Info Manager	Email Data Cache	Socket Interface
Function Layer	Send Email	Read Email	Delete Email Syst	em Manager	Search Engine
Function Layer			Event Handler		
Front End Layer			User Interface		