## COMPSYS 302

# Python Project: Login Server Based Network

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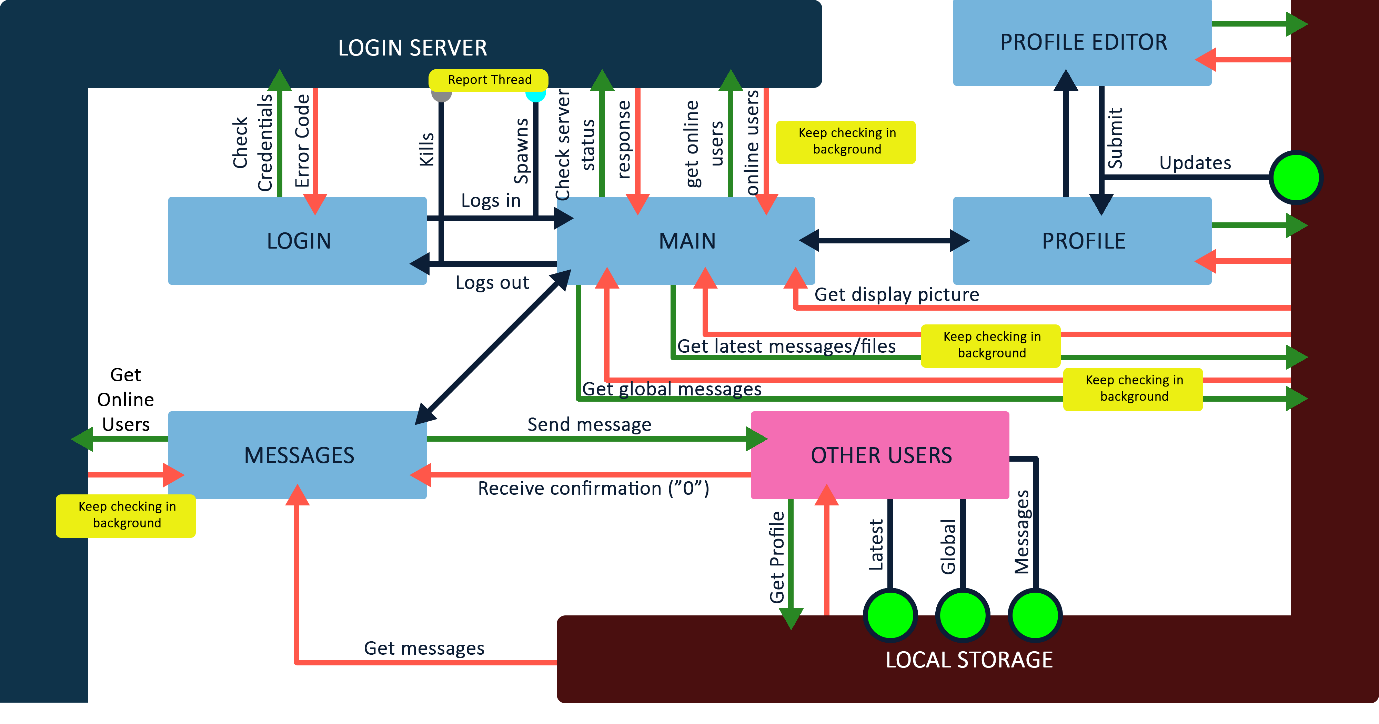
# Requirements

The client had concerns over the privacy of their confidential information being monitored by rival companies. Thus, they have requested a private peer-to-peer networking system to allow for secured communications within the executive team. The client has also mentioned that the system should run on a Linux based operating system.

## The proposal

In response, we have developed a login server-based network system that allows only for people recognised by the server to be able to communicate. With this system, the client does not need to have any more privacy concerns as the server does not store any confidential information, only a list of users and who is online. To gain access to this information, the accessor must also provide credentials that are recognised by the system. If the credentials are not there, then they may not even see the list of users. Each executive member will be supplied with login credentials and a server manager will add or delete entries of credentials manually.

# The System Architecture



In reference to the image above:

* Light blue box: Page
* Blue arrow: Page linking (navigation)
* Green arrow: Request
* Red arrow: Response
* Green circle: Updates information in local storage
* Yellow box: Background process

From the login page, when the user