Computer Assignement 3

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In this code we have two class : mailbox and email.

```
class mailbox
{
public:
        vector<email> inbox,outbox;
        CRITICAL_SECTION incr,outcr;
        mailbox(void);
        ~mailbox(void);
};
class email
{
public:
        string textmail;
        int senderID;
        int receiverID;
        time_t timeofsend;
        email(void);
        ~email(void);
};
```

At first we should read the data from info.txt

On next step we have to initialize some variables like critical section locks.

Then we create some thread to manage the mail boxes. They are listening for post men to give or get mails. After creating these threads we should create postmen threads. We have two kind of post men . "A" type get messages from mailbox then put it in shared queue of post office. And "B" type reverse work.

We have some critical section and we handle them with EnterCriticalSection, LeaveCriticalSection, CriticalSection. We have 3 thread function: mailboxthread, mailmenAthread, mailmenBthread.

Any other points is clear in Code.

The input file format is matched with the CA pdf file.

Tnx for your attention dear teacher assistant ;)

Regards

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