To convert MaxHeap from an oop concept to non-oop, first we had to convert the class to a struct function, including the variables from the class's init function. Second, we had to convert the methods to functions. Lastly, we had to define the structure so that it could be called in the functions associated with he original class.

To convert EmailFunc from an oop concept a non-oop, first we had to convert the class to a struct function, including the variables from the class's init function. Second, we had to convert the methods to functions. Lastly, we had to define the structure so that it could be called in the functions associated with he original class.

MaxHeap

- -emails[MAX_EMAILS]: Email
- -size: int
- +initHeap()
- -swap(a: Email, b: Email)
- -getPriority(role: char*): int
- -compareDate(date1: char*, date2: char*): int
- -heapifyUp(index: int)
- -heapifyDown(index: int)
 +addEmail(role: char*, item: char*, date: char*)
- +peekEmail(): Email
- +popEmail()
- +isEmpty(): int
- +heapSize(): int

EmailFunc

- -heap: MaxHeap
- +initEmailFunc()
- +countEmails()
- +nextEmails()
- +readEmail()
- +email(line: char*)