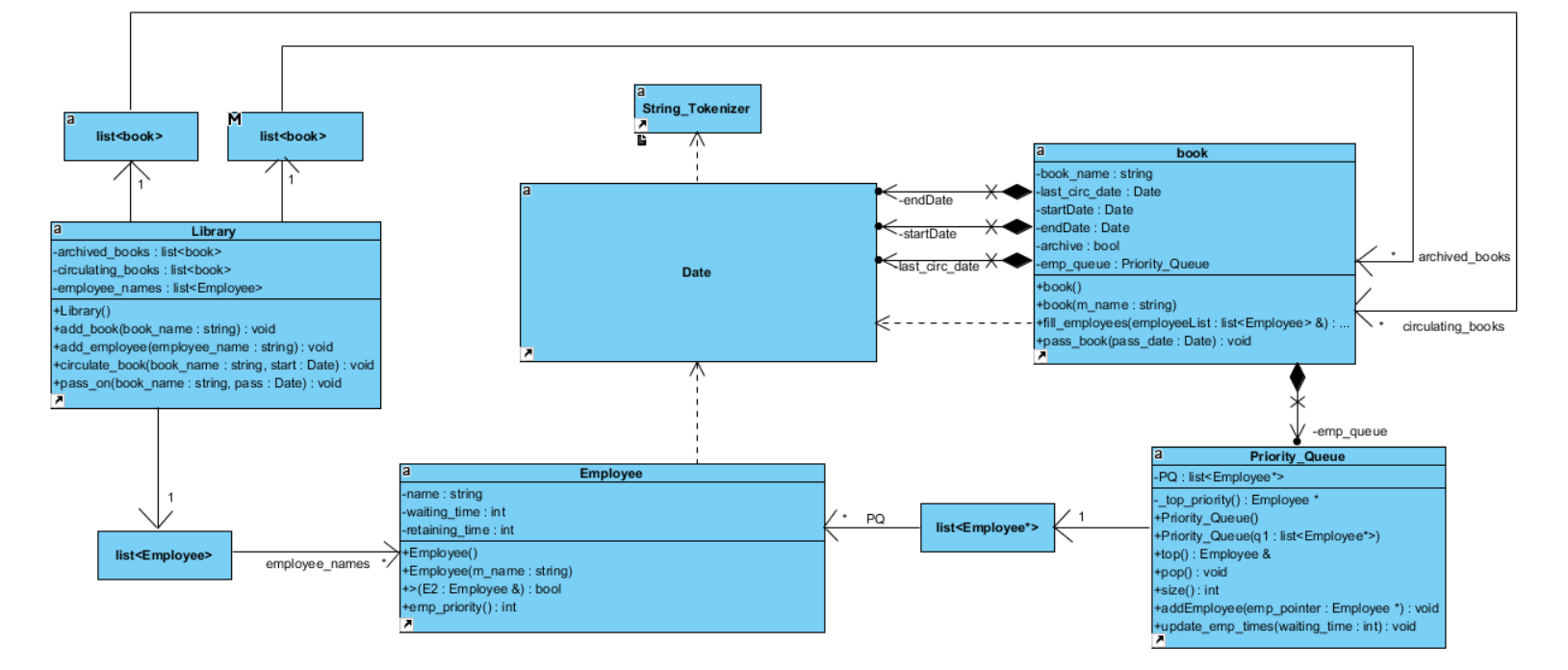
CS 303 – Data Structures

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Project 2A

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UML DIAGRAM  
  
  
  
  


**BIG-O:**  
  
**Priority Queue class:**  
  
Employee\* \_top\_priority();  
  
- O(n)  
  
void update\_emp\_times(int waiting\_time);  
  
- O(n)  
  
**Book class:**  
void fill\_employees(list<Employee>& employeeList);  
  
- O(n)  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
References:  
  
  
<http://stackoverflow.com/questions/19535644/how-to-use-the-priority-queue-stl-for-objects>