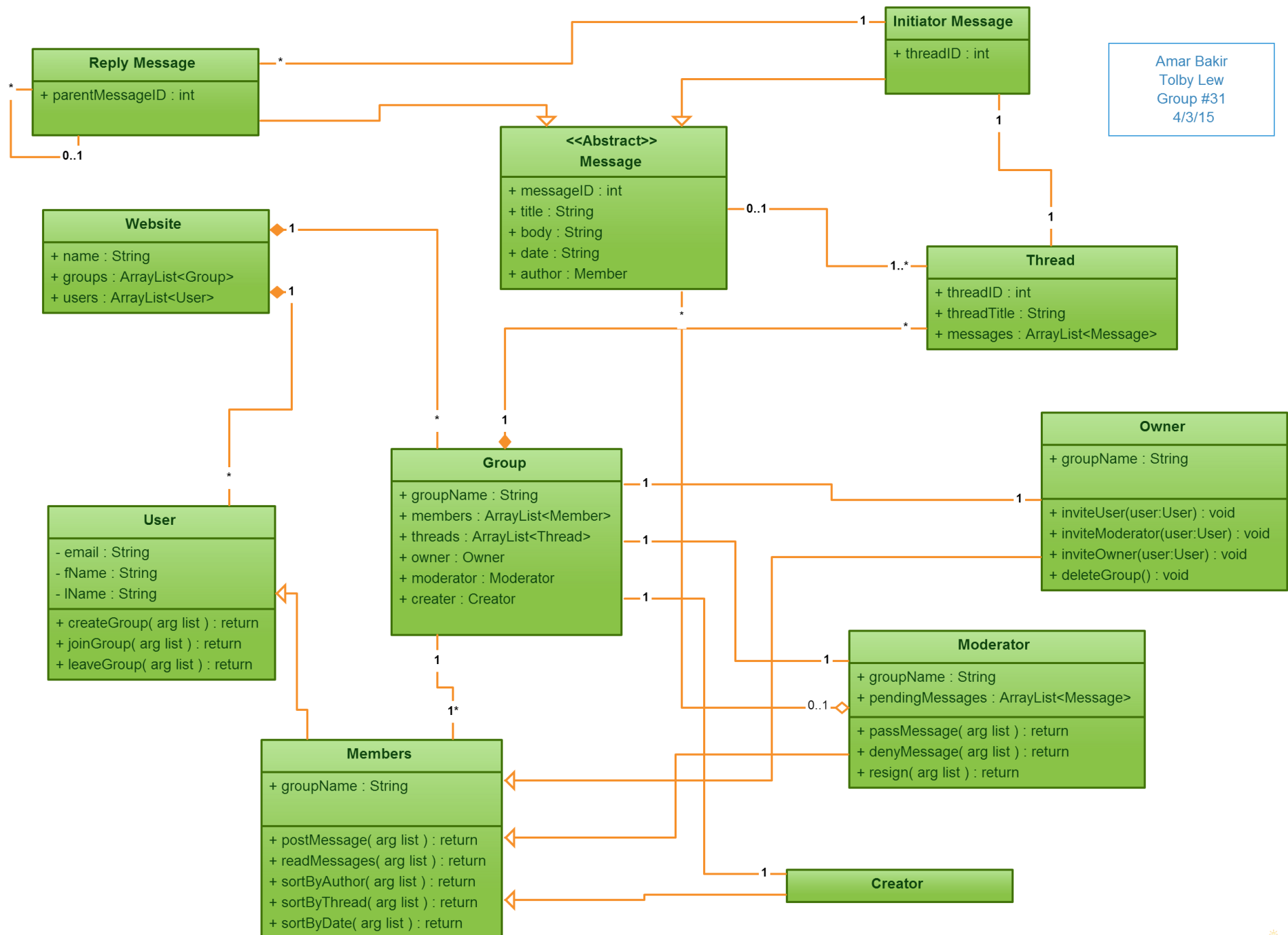


Amar Bakir  
Tolby Lew  
Group #31  
4/3/15



| Association                    | Data Structure Definition in Class              |
|--------------------------------|---|
| Website-User                   | ArrayList<User> users in Website                |
| Website-Group                  | ArrayList<Group> groups in Website              |
| Group-Member                   | ArrayList<Member> members in Group              |
| Group-Thread                   | ArrayList<Thread> threads in Group              |
| Thread-Message                 | ArrayList<Message> messages in Thread           |
| Group-Owner                    | Owner owner                                     |
| Group-Moderator                | Moderator moderator                             |
| Group-Creator                  | Creator creator                                 |
| Moderator-Message              | ArrayList<Message> pendingMessages in Moderator |
| Thread-Initiator Message       | int threadID in Initiator Message               |
| Initator Message-Reply Message | int parentMessageID in Reply Message            |
| Reply Message-Reply Message    | int parentMessageID in Reply Message            |