

Let $PERSON$ be the set of all people:

$[PERSON]$.

A ‘club’ has a set of members and a president, who is one of the members:

<i>Club</i>	
$members : \mathbb{P} PERSON$	
$president : PERSON$	
$president \subseteq members$	

To enroll somebody in the club, we just add them to the set of members:

<i>Enroll</i>	
$\Delta Club$	
$new? : PERSON$	
$members' = members \cup new?$	
$president' = president$	

The president doesn’t change when a new member is enrolled.