

### Test Reference:

```
/*  
 *  
 * Check if a username already is taken  
 * @param uname The user's name  
 * @return Boolean true if username taken, false if not, null if error  
 */
```

### Equivalent Classes:

	Valid	Invalid
uname	<ul style="list-style-type: none"><li>1.1 - string composed of permissible characters that abides by the length requirements</li></ul>	<ul style="list-style-type: none"><li>1.a - non-encoded characters</li><li>1.b - empty string</li><li>1.c - single char</li><li>1.d - integer type</li><li>1.e - valid characters, out of bounds</li><li>1.f - null</li></ul>

### Class Representatives:

Equivalence Class	Representative
1.1	"tenbergen"
1.a	"北"
1.b	"
1.c	"a"
1.d	17
1.e	"JosephusJosephusJosephus"
1.f	null

**Representative Boundaries:**

Equiv. Class	Representative	Lower Boundary	Upper Boundary
1.1	"tenbergen"	"tenberge"	"tenbergenb"
1.a	"北"	典	书
1.b	"	-	"a"
1.c	"a"	"	"aa"
1.d	17	16	18
1.e	"JosephusJosephusJosephus"	"JosephusJosephusJosephu"	"JosephusJosephusJosephuss"
1.f	null	-	-

**Test Cases:**

Test ID	uname	mac	team	Eq. Class	Expected Output
t_0				1.1	
t_1				1.a	ERROR
t_2				1.b	ERROR
t_3				1.c	ERROR
t_4				1.d	ERROR
t_5				1.e	ERROR
t_6				1.f	ERROR
t_8				1.a	ERROR
t_9				1.a	ERROR
t_10				1.c	ERROR
t_11				1.d	ERROR
t_12				1.d	ERROR

t_13				1.e	ERROR
t_14				1.e	ERROR