

# Equivalence Classes and Boundary Testing

## (For user sign up)

### 1. Equivalence classes and boundary values

#### Password length

	Invalid	Valid
Equivalence Classes	0 - 5	$\geq 6$

#### Valid equivalence classes

Value on boundary value	6
Value just below the boundary	5

#### Invalid equivalence classes

Value on boundary values	0, 5
Value just below the boundary	-1
Value just above the boundary	6

#### Email

	Valid	Invalid
Equivalence classes	Have the format “ <a href="#">xxx@xxx.com</a> ”; “ <a href="#">xxx@xxx.sg</a> (or any other valid country abbreviation)”; “ <a href="#">xxx@xxx.org</a> ”; “ <a href="#">xxx@xxx.net</a> ”	Do not have the valid format

### 2. Test cases

1. Valid Username + Valid email + Valid password + Valid confirmed password

Tevin, tevinnan@gmail.com, tevin6, tevin6	Accept
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2. Invalid Username + Valid email + Valid password + Valid confirmed password

(Empty), <a href="mailto:tevinnan@gmail.com">tevinnan@gmail.com</a> , tevin6, tevin6	Reject
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3. Valid Username + Invalid email + Valid password + Valid confirmed password

Tevin, (Empty), tevin6, tevin6	Reject
Tevin, tevinnan@gmail, tevin6, tevin6	Reject
Tevin, (Already registered email), tevin6, tevin6	Reject

4. Valid Username + Valid email + Invalid password + Valid confirmed password

Tevin, <a href="mailto:tevinnan@gmail.com">tevinnan@gmail.com</a> , tevin, tevin	Reject
Tevin, <a href="mailto:tevinnan@gmail.com">tevinnan@gmail.com</a> , (Empty), tevin6	Reject

5. Valid Username + Valid email + Valid password + Invalid confirmed password

Tevin, <a href="mailto:tevinan@gmail.com">tevinan@gmail.com</a> , tevin6, tevin666	Reject
Tevin, <a href="mailto:tevinnan@gmail.com">tevinnan@gmail.com</a> , tevin6, (Empty)	Reject