Problem Description

You are developing a user registration system and need to validate the email address entered by the user.

The requirements are as follows:

- The email address must contain exactly one @ symbol;
- There must be at least one character before and after the @ symbol (i.e., both parts cannot be empty);
- If the conditions are not met, return False; otherwise, return True.

Buggy Code

def check_email_format(email):
if '@' in email:
 return True
else:
 return False

assertTrue check_email_format("163.com")

assertTrue check email format("alice@163.com")

Both buggy and fixed code can pass this test.

Both buggy and fixed code rail this test.

Fixed Code

def check_email_format(email):
if '@' not in email:
 return False
parts = email.split('@')
if len(parts[0]) == 0 or len(parts[1]) == 0:
 return False
return True

assertTrue check_email_format("@")

Buggy code passes, while fixed code fails.

assertFalse valid_email_format("a@b")

Buggy code fails, while fixed code passes.

