BlackBox Testing

AuthController

- Manages user authentication such as user registration and user login

Equivalence Class and Boundary Value Testing

1. **Sign Up Function**
   a. **Donor Sign Up**

      Valid Equivalence Classes: Organisation Name, Premise Address, UEN Number, Point of Contact Name, Point of Contact Phone Number, Email, Hygiene Rating, Password and Confirm Password with correct formats

      Invalid Equivalence Classes: Organisation Name, Premise Address, UEN Number, Point of Contact Name, Point of Contact Phone Number, Hygiene Rating, Email, Password and Confirm Password with incorrect formats or empty mandatory fields

   b. **Beneficiary Sign Up**

      Valid Equivalence Classes: Agency Name, Point of Contact Name, Point of Contact Phone Number, Email, Password and Confirm Password with correct formats

      Invalid Equivalence Classes: Agency Name, Point of Contact Name, Point of Contact Phone Number, Email, Password and Confirm Password with incorrect formats or empty mandatory fields

   c. **Admin Sign Up**

      Valid Equivalence Classes: Email, Password and Confirm Password with correct formats

      Invalid Equivalence Classes: Email, Password and Confirm Password with incorrect formats or empty mandatory fields

2. Login Function

Valid Equivalence Classes: Email, Password and Confirm Password with correct formats

Invalid Equivalence Classes: Email, Password and Confirm Password with incorrect formats or empty mandatory fields

Test Cases and Results

1. Sign Up
   a. Donor Sign Up

Test Case ID	Test Case Title	Test Input	Expected Output	Actual Output	Pass?
1	All valid inputs	Organisation Name: "SHENG SHIONG SUPERMARKET" Premise Address: "845 YISHUN STREET 81 #01-184, S(760845)" UEN Number: "201023989Z" Point of Contact Name: "John" Point of Contact Phone Number: "80804968" Hygiene Rating: "A" Email: "lol@gmail.com" Password: "Lol123!"	System displays "Sign Up Success! Redirecting …" and redirects user to Login Page	System displays "Sign Up Success! Redirecting …" and redirects user to Login Page	Yes

		Confirm Password: "Lol123!"			
2	All valid inputs except Organisation Name	Organisation Name: ""	System displays "Donor Name cannot be empty"	System displays "Donor Name cannot be empty"	Yes
3	All valid inputs except Premise Address	Premise Address: ""	System displays "Premise Address cannot be empty"	System displays "Sign Up Success! Redirecting …" and redirects user to Login Page	No
4	All valid inputs except UEN Number	UEN Number: ""	System displays "Sign Up Success! Redirecting …" and redirects user to Login Page	System displays "Sign Up Success! Redirecting …" and redirects user to Login Page	Yes
5	All valid inputs except Point of Contact Name	Point of Contact Name: ""	System displays "Point of Contact Name should not be empty"	System displays "Point of Contact Name should not be empty"	Yes
6	All valid inputs except Point of Contact Phone Number	Point of Contact Phone Number: ""	System displays "Phone number is required"	System displays "Phone number is required"	Yes
7	All valid	Hygiene Rating: ""	System	System did	No

			displays "Hygiene Rating is required"	not display anything but sign up is unsuccessful	
	inputs except Hygiene Rating				
8	All valid inputs except Email	Email: ""	System displays "Email is required"	System displays "Email is required"	Yes
9	All valid inputs except Password	Password: ""	System displays "Password cannot be empty"	System displays "Password cannot be empty"	Yes
10	All valid inputs except Confirm Password	Confirm Password: ""	System displays "Confirm Password cannot be empty"	System displays "Confirm Password cannot be empty"	Yes
11	All valid inputs except Confirm Password	Password: "Lol123!" Confirm Password: "Lol1233!"	System displays "Passwords don't match!"	System displays "Passwords don't match!"	Yes

b. Beneficiary Sign Up

Test Case ID	Test Case Title	Test Input	Expected Output	Actual Output	Pass?
1	All valid inputs	Agency Name: "Test" Point of Contact Name: "Kelly" Point of Contact Phone Number: "80801234" Email: "test@gmail.com" Password: "Test123!" Confirm Password: "Test123!"	System displays "Sign Up Success! Redirecting …" and redirects user to Login Page	System displays "Sign Up Success! Redirecting …" and redirects user to Login Page	Yes
2	All valid inputs except Agency Name	Agency Name: ""	System displays "Required"	System displays "Required"	Yes
3	All valid inputs except Point of Contact Name	Point of Contact Name: ""	System displays "Point of Contact Name should not be empty"	System displays "Point of Contact Name should not be empty"	Yes
4	All valid inputs except Phone number	Phone number: ""	System displays "Phone number is required"	System displays "Phone number is required"	Yes
5	All valid inputs except Email	Email: ""	System displays "Email is required"	System displays "Email is required"	Yes

6	All valid inputs except Password	Password: ""	System displays "Password cannot be empty"	System displays "Password cannot be empty"	Yes
7	All valid inputs except Confirm Password	Confirm Password: ""	System displays "Confirm Password cannot be empty"	System displays "Confirm Password cannot be empty"	Yes
8	All valid inputs except Confirm Password	Password: "Test123!" Confirm Password: "Test1233!"	System displays "Passwords don't match!"	System displays "Passwords don't match!"	Yes

c. Admin Sign Up

Test Case ID	Test Case Title	Test Input	Expected Output	Actual Output	Pass?
1	All valid inputs	Email: "admin@gmail.com" Password: "Admin123!" Confirm Password: "Admin123!"	System displays "Sign Up Success! Redirecting …" and redirects user to Login Page	System displays "Sign Up Success! Redirecting …" and redirects user to Login Page	Yes
5	All valid inputs except Email	Email: ""	System displays "Email is required"	System displays "Email is required"	Yes
6	All valid inputs except Password	Password: ""	System displays "Password cannot be empty"	System displays "Password cannot be empty"	Yes
7	All valid inputs except Confirm Password	Confirm Password: ""	System displays "Confirm Password cannot be empty"	System displays "Confirm Password cannot be empty"	Yes
8	All valid inputs except Confirm Password	Password: "Admin123!" Confirm Password: "Admin1233!"	System displays "Passwords don't match!"	System displays "Passwords don't match!"	Yes

2. Login

Test Case ID	Test Case Title	Test Input	Expected Output	Actual Output	Pass?
1	All valid inputs	Email: "admin@gmail.com" Password: "Admin123!"	System displays "Login Success! Redirecting…" and redirects user to Admin's Dashboard	System displays "Login Success! Redirecting…" and redirects user to Admin's Dashboard	Yes
5	Invalid email and valid password	Email: "" Password: "Admin123!"	System displays "Email is required"	System displays "Email is required"	Yes
6	Invalid email and valid password	Email: "testing" Password: "Admin123!"	System displays "Email is required"	System displays "Email is required"	Yes
7	Valid email and Invalid password	Email: "admin@gmail.com" Password: ""	System displays "The username/password you entered is incorrect.Please try again"	System displays "The username/password you entered is incorrect.Please try again"	Yes
8	Valid email and Invalid password	Email: "admin@gmail.com" Password: "wrongpass"	System displays "The username/password you entered is	System displays "The username/password you entered is incorrect.Ple	Yes

			incorrect.Pl ease try again"	ase try again"	