Black Box Testing

1.Register a New User

Fields:

- **Username:**

  Equivalence classes:

  E1: Username is unique and not used by any other user previously. (Valid)
  E2: Username's length between 3 to 150 characters.
  E3: No space allowed in Username. (Valid)
  E4: Username having '+', '.', '_', '-' signs. (Valid)
  E5: Username having length less than 3 or greater than 150 characters. (Invalid)
  E6: Username with space. (Invalid)
  E7: Username with special character or any other signs then '+', '.', '_', '-' signs. (Invalid)

- **Last Name:**

  Same equivalence classes as Username.

- **Email:**

  Equivalence classes:

  E8: Any valid email address. (Valid)
  E9: Invalid email address. (Invalid)

- **Gender:**

  Equivalence classes:

  E10: Male (Valid)
  E11: Female (Valid)
  E12: Other (Valid)

- **Password:**

  Equivalence classes:

  E13: Password's length is between 8 to 12. (Valid)
  E14: Password having at least 1 capital letter. (Valid)
  E15: Password having at least 1 special character. (Valid)
  E16: Password having at least 1 number. (Valid)
  E17: Password's length is less than 8 or greater than 12. (Invalid)
  E18: Password having no capital letter. (Invalid)
  E19: Password having no special character. (Invalid)
  E20: Password having no number. (Invalid)

- **Confirm Password:**

  Equivalence classes:

  E21: Confirm Password match with Password. (Valid)
  E22: Confirm Password does not match with Password. (Invalid)

- **Age:**

  Equivalence classes:

  E23: Age is between 3 to 200. (Valid)
  E24: Age is less than 3 or greater than 200. (Invalid)

E25: Age having value as letters or signs or special character.
(Invalid)

● **Phone number:**

Equivalence classes:

E26: Phone number with 10 digits. (Valid)
E27: Phone number with less than 10 or more than 10 digits. (Invalid)
E28: Phone number having value as letters or signs or special
character. (Invalid)

#	Username	Last Name	Email	Gender	Password
1.	Arjuna_11	Kuntiputra	202101186@daiict.ac.in	Male	Madhav@12345
Age	**Confirm Password**	**Phone number**	**Expected Outcome**	**Actual Outcome**	**Equivalence Class Covered**
25	Madhav@12345	7359955272	True	True	E1, E2, E3, E4, E8, E10, E13, E14, E15, E16, E21, E23, E26

#	Username	Last Name	Email	Gender	Password
2.	RK	Kuntiputra	202101186@daiict.ac.in	Male	Madhav@12345
Age	**Confirm Password**	**Phone number**	**Expected Outcome**	**Actual Outcome**	**Equivalence Class Covered**
25	Madhav@12345	7359955272	Flase	Flase	E5, E8, E10, E13, E14, E15, E16, E21, E23, E26

#	Username	Last Name	Email	Gender	Password
3.	Arjuna 11	Kuntiputra	202101186daiict.ac.in	Male	Madhav@12345
Age	**Confirm Password**	**Phone number**	**Expected Outcome**	**Actual Outcome**	**Equivalence Class Covered**
25	Madhav@12345	7359955272	False	False	E6, E9, E10, E13, E14, E15, E16, E21, E23, E26

#	Username	Last Name	Email	Gender	Password
4.	Arjuna11@	Kuntiputra	202101186@daiict.ac.in	Female	Madhav12345
Age	**Confirm Password**	**Phone number**	**Expected Outcome**	**Actual Outcome**	**Equivalence Class Covered**
25	Madhav12345	7359955272	False	False	E7, E8, E11, E13, E14, E19, E16, E21, E23, E26

#	Username	Last Name	Email	Gender	Password
5.	Arjuna11	Kuntiputra	202101186@daiict.ac.in	Other	RadhaMadhav@
Age	**Confirm Password**	**Phone number**	**Expected Outcome**	**Actual Outcome**	**Equivalence Class Covered**
25	RadhaMadhav@	7359955272	False	False	E1, E2, E3, E8, E12, E13, E14, E15, E20, E21, E23, E26

#	Username	Last Name	Email	Gender	Password
6.	Arjuna_11	Kuntiputra	202101186@daiict.ac.in	Male	radhamadhav@12
Age	Confirm Password	Phone number	Expected Outcome	Actual Outcome	Equivalence Class Covered
25	radhamadhav@12	7359955272	False	False	E1, E2, E3, E4, E8, E10, E17, E18, E15, E16, E21, E23, E26

#	Username	Last Name	Email	Gender	Password
7.	Arjuna_11	Kuntiputra	202101186@daiict.ac.in	Male	Madhav@12345
Age	Confirm Password	Phone number	Expected Outcome	Actual Outcome	Equivalence Class Covered
25	Madhav12345	7359955272	False	False	E1, E2, E3, E4, E8, E10, E13, E14, E15, E16, E22, E23, E26

#	Username	Last Name	Email	Gender	Password
8.	Arjuna_11	Kuntiputra	202101186@daiict.ac.in	Male	Madhav@12345
Age	Confirm Password	Phone number	Expected Outcome	Actual Outcome	Equivalence Class Covered
257	Madhav@12345	73599552	False	False	E1, E2, E3, E4, E8, E10, E13, E14, E15, E16, E21, E24, E27

#	Username	Last Name	Email	Gender	Password
9.	Arjuna_11	Kuntiputra	202101186@daiict.ac.in	Male	Madhav@12345
Age	**Confirm Password**	**Phone number**	**Expected Outcome**	**Actual Outcome**	**Equivalence Class Covered**
25	Madhav@12345	abcdefghyfy@	False	False	E1, E2, E3, E4, E8, E10, E13, E14, E15, E16, E21, E23, E28

#	Username	Last Name	Email	Gender	Password
10.	Arjuna_11	Kuntiputra	202101186@daiict.ac.in	Male	Madhav@12345
Age	**Confirm Password**	**Phone number**	**Expected Outcome**	**Actual Outcome**	**Equivalence Class Covered**
abc	Madhav@12345	7359955272	False	False	E1, E2, E3, E4, E8, E10, E13, E14, E15, E16, E21, E25, E26

#	Username	Last Name	Email	Gender	Password
11.	Arjuna_11	Kuntiputra	202101186@daiict.ac.in	Male	Rk@123
Age	**Confirm Password**	**Phone number**	**Expected Outcome**	**Actual Outcome**	**Equivalence Class Covered**
25	Rk@123	7359955272	False	False	E1, E2, E3, E4, E8, E10, E17, E14, E15, E16, E21, E23, E26

2. Login

Fields:

Username:

Equivalence Classes:

E1: Registered username. (Valid)
E2: Not registered username. (Invalid)

Password:

E3: Password corresponding to registered username. (Valid)
E4: Password different than entered during registration. (Invalid)

#	Username	Password	Expected Outcome	Actual Outcome	Equivalence Class Covered
1.	Arjuna_11	Madhav@12345	True	True	E1, E3
2.	Arjuna_11	Madhav@1245	False	False	E1, E4
3.	Arjuna11	Madhav@12345	False	False	E2, E3
4.	Arjuna11	Madhav@1245	False	False	E2, E4

3. Search Recipe

Fields:

a) Search by name:

Equivalence Classes:

E1: Valid recipe name. (Valid)
E2: Invalid name. (Invalid)

#	Recipe name	Expected outcome	Actual Outcome	Equivalence Class
1.	Panipuri	True	True	E1
2.	Dabeli	True	True	E1
3.	xyz23	False	False	E2
4.	1234#Sd	False	False	E2

b) Search by filter

Food Category:

Equivalence Classes:

E3: Indian (Valid)
E4: Thai (Valid)
E5: Mexican (Valid)
E6: French (Valid)
E7: Chinese (Valid)
E8: Not selected (Valid)

Meal Type:

Equivalence Classes:

E9: Lunch (Valid)

E10: Dinner (Valid)
E11: Breakfast (Valid)
E12: Snacks (Valid)
E13: Not selected (Valid)

Ingredients:

Equivalence Classes:

E14: Valid ingredient name. (Valid)
E15: Not selected. (Valid)
E16: Invalid ingredient name. (Invalid)
E17: Ingredient field is empty. (Invalid)

Time:

Equivalence Class:

E18: Time in hr:min format. (Valid)
E19: Field kept empty. (Valid)

#	Food Category	Meal Type	Ingredients	Time	Expected Outcome	Actual Outcome	Equivalence Classes Covered
1.	Indian	Lunch	Tomato Potato	01:03	True		E3, E9, E14, E18
2.	Mexican	Dinner		00:53	True		E5, E10, E15, E18
3.	Thai	Breakfast			True		E4, E11, E15, E19
4.	French	Snacks	Tomato Potato	01:03	True		E6, E12, E14, E18

5.	Chinese		Tomato Potato	01:03	True		E7, E13, E14, E18
6.			Tomato Potato	01:03	True		E8, E13, E14, E18
7.	French	Snacks	xyz123	01:03	False		E6, E12, E16, E18
8.	French	Snacks	-	01:03	Flase		E6, E12, E17, E18

4. Add Recipe

Fields:

- **Recipe Name:**

  Equivalence Classes:

  E1: Recipe name can be any name. (Valid)
  E2: Empty. (Invalid)

- **Category:**

  E3: Indian (Valid)
  E4: Thai (Valid)
  E5: Mexican (Valid)
  E6: French (Valid)
  E7: Chinese (Valid)

- **Type:**

  E8: Vegetarian (Valid)
  E9: Non-Vegeterian (Valid)

- **Meal type:**

  E10: Breakfast (Valid)
  E11: Lunch (Valid)
  E12: Dinner (Valid)

- **Recipe time:**

  E13: Time in hr:min format. (Valid)
  E14: Empty. (Invalid)

- **Recipe image:**

  E15: Image uploaded. (Valid)
  E16: Not uploaded any image. (Valid)

- **Direction:**

  E17: Step by step description to make a recipe. (Valid)
  E18: Empty. (Invalid)

- **Ingredients:**

  E19: List of ingredients. (Valid)
  E20: Empty. (Invalid)

#	Recipe Name	Category	Type	Meal Type	Recipe Time
1.	Tomato Soup	Indian	Vegetarian	Dinner	00:45
Image	**Direction**	**Ingredients**	**Expected Outcome**	**Actual Outcome**	**Equivalence Classes Covered**
selected	→ Take required	Tomatoes	True	True	E1, E3, E8, E12,

	Ingredients. → Take water and mix it with ingredients. → Add required spices and boil. → Enjoy food.	Spices			E13, E15, E17, E19

#	Recipe Name	Category	Type	Meal Type	Recipe Time
2.	Manchow Soup	Chinese	Non Vegetarian	Breakfast	00:45
Image	**Direction**	**Ingredients**	**Expected Outcome**	**Actual Outcome**	**Equivalence Classes Covered**
selected	→ Take required Ingredients. → Take water and mix it with ingredients. → Add required spices and boil. → Enjoy food.	Pack of Manchow Soup	True	True	E1, E7, E9, E10, E13, E15, E17, E19

#	Recipe Name	Category	Type	Meal Type	Recipe Time
3.	Mexican Pizza	Mexican	Vegetarian	Lunch	00:45
Image	**Direction**	**Ingredients**	**Expected Outcome**	**Actual Outcome**	**Equivalence Classes Covered**
selected	→ Take required Ingredients. → Take water and	Pizza base Vegetables Spices	True	True	E1, E5, E8, E11, E13, E15, E17, E19

mix it with ingredients. → Add required spices and boil. → Enjoy food.		

#	Recipe Name	Category	Type	Meal Type	Recipe Time
4.	Cuisine	Thai	Vegetarian	Dinner	01:45
Image	**Direction**	**Ingredients**	**Expected Outcome**	**Actual Outcome**	**Equivalence Classes Covered**
	→ Take required Ingredients. → Take water and mix it with ingredients. → Add required spices and boil. → Enjoy food.	Vegetables Spices	True	True	E1, E4, E8, E12, E13, E16, E17, E19

#	Recipe Name	Category	Type	Meal Type	Recipe Time
5.	French Fries	French	Vegetarian	Dinner	01:45
Image	**Direction**	**Ingredients**	**Expected Outcome**	**Actual Outcome**	**Equivalence Classes Covered**
	→ Take required Ingredients. → Take water and mix it with ingredients. → Add required	Vegetables Spices	True	True	E1, E6, E8, E12, E13, E16, E17, E19

	spices and boil. → Enjoy food.				

#	Recipe Name	Category	Type	Meal Type	Recipe Time
6.		Thai	Vegetarian	Dinner	01:45
Image	**Direction**	**Ingredients**	**Expected Outcome**	**Actual Outcome**	**Equivalence Classes Covered**
	→ Take required Ingredients. → Take water and mix it with ingredients. → Add required spices and boil. → Enjoy food.	Vegetables Spices	False	False	E2, E4, E8, E12, E13, E16, E17, E19

#	Recipe Name	Category	Type	Meal Type	Recipe Time
7.	Cuisine	Thai	Vegetarian	Dinner	
Image	**Direction**	**Ingredients**	**Expected Outcome**	**Actual Outcome**	**Equivalence Classes Covered**
	→ Take required Ingredients. → Take water and mix it with ingredients. → Add required spices and boil. → Enjoy food.	Vegetables Spices	False	False	E1, E4, E8, E12, E14, E16, E17, E19

#	Recipe Name	Category	Type	Meal Type	Recipe Time
8.	Cuisine	Thai	Vegetarian	Dinner	01:45

Image	Direction	Ingredients	Expected Outcome	Actual Outcome	Equivalence Classes Covered
		Vegetables Spices	False	False	E1, E4, E8, E12, E13, E16, E18, E19

#	Recipe Name	Category	Type	Meal Type	Recipe Time
9.	Cuisine	Thai	Vegetarian	Dinner	01:45

Image	Direction	Ingredients	Expected Outcome	Actual Outcome	Equivalence Classes Covered
	→ Take required Ingredients. → Take water and mix it with ingredients. → Add required spices and boil. → Enjoy food.		False	False	E1, E4, E8, E12, E13, E16, E17, E20

5. Send Query

Fields:

Name:

Equivalence Classes:

E1: Any name. (Valid)
E2: Empty. (Invalid)

Email:

E3: Valid email. (Valid)
E4: Invalid email. (Invalid)
E5: Empty. (Invalid)

Recipe name:

E6: Recipe name. (Valid)
E7: Empty. (Invalid)

Phone number:

E8: 10 digit number. (Valid)
E9: Less than 10 or more than 10 digit number. (Invalid)
E10: Field having value of letters and special characters. (Invalid)

Reason For Contact:

E11: General Query. (Valid)
E12: Feedback. (Valid)
E13: Other. (Valid)
E14: Empty. (Invalid)

Review:

E15: Any review (Valid)
E16: Empty (Invalid)

#	Name	Email	Recipe Name	Phone Number
1.	Arjun	202101186@daiict.ac.in	Tomato Soup	7359955272

Reason For Contact	Review	Expected Outcome	Actual Outcome	Equivalence Classes Covered
Feedback	This site helped me and the recipe was tasty.	True	True	E1, E3, E6, E8, E12, E15

#	Name	Email	Recipe Name	Phone Number
2.	Arjun	202101186daiict.ac.in	Tomato Soup	7359955272

Reason For Contact	Review	Expected Outcome	Actual Outcome	Equivalence Classes Covered
Feedback	This site helped me and the recipe was tasty.	False	False	E1, E4, E6, E8, E12, E15

#	Name	Email	Recipe Name	Phone Number
3.	Arjun	202101186@daiict.ac.in	Tomato Soup	7359955272

Reason For Contact	Review	Expected Outcome	Actual Outcome	Equivalence Classes Covered
General Query	This site helped me and the recipe was tasty.	True	True	E1, E3, E6, E8, E11, E15

#	Name	Email	Recipe Name	Phone Number

4.	Arjun	202101186@daiict.ac.in	Tomato Soup	7359955272
Reason For Contact	**Review**	**Expected Outcome**	**Actual Outcome**	**Equivalence Classes Covered**
Other	This site helped me and the recipe was tasty.	True	True	E1, E3, E6, E8, E13, E15

#	Name	Email	Recipe Name	Phone Number
5.		202101186@daiict.ac.in	Tomato Soup	735995527
Reason For Contact	**Review**	**Expected Outcome**	**Actual Outcome**	**Equivalence Classes Covered**
Feedback	This site helped me and the recipe was tasty.	False	False	E2, E3, E6, E9, E12, E15

#	Name	Email	Recipe Name	Phone Number
6.	Arjun		Tomato Soup	7359955272
Reason For Contact	**Review**	**Expected Outcome**	**Actual Outcome**	**Equivalence Classes Covered**
Feedback	This site helped me and the recipe was tasty.	False	False	E1, E5, E6, E8, E12, E15

#	Name	Email	Recipe Name	Phone Number
7.	Arjun	202101186@daii		7359955272

				ct.ac.in	

Reason For Contact	Review	Expected Outcome	Actual Outcome	Equivalence Classes Covered
Feedback	This site helped me and the recipe was tasty.	False	False	E1, E3, E7, E8, E12, E15

#	Name	Email	Recipe Name	Phone Number
8.	Arjun	202101186@daiict.ac.in	Tomato Soup	

Reason For Contact	Review	Expected Outcome	Actual Outcome	Equivalence Classes Covered
Feedback	This site helped me and the recipe was tasty.	False	False	E1, E3, E6, E10, E12, E15

#	Name	Email	Recipe Name	Phone Number
9.	Arjun	202101186@daiict.ac.in	Tomato Soup	7359955272

Reason For Contact	Review	Expected Outcome	Actual Outcome	Equivalence Classes Covered
	This site helped me and the recipe was tasty.	False	False	E1, E3, E6, E8, E14, E15

#	Name	Email	Recipe Name	Phone Number
10.	Arjun	202101186@daiict.ac.in	Tomato Soup	7359955272

Reason For Contact	Review	Expected Outcome	Actual Outcome	Equivalence Classes Covered
Feedback		False	False	E1, E3, E6, E8, E12, E16