

Testing

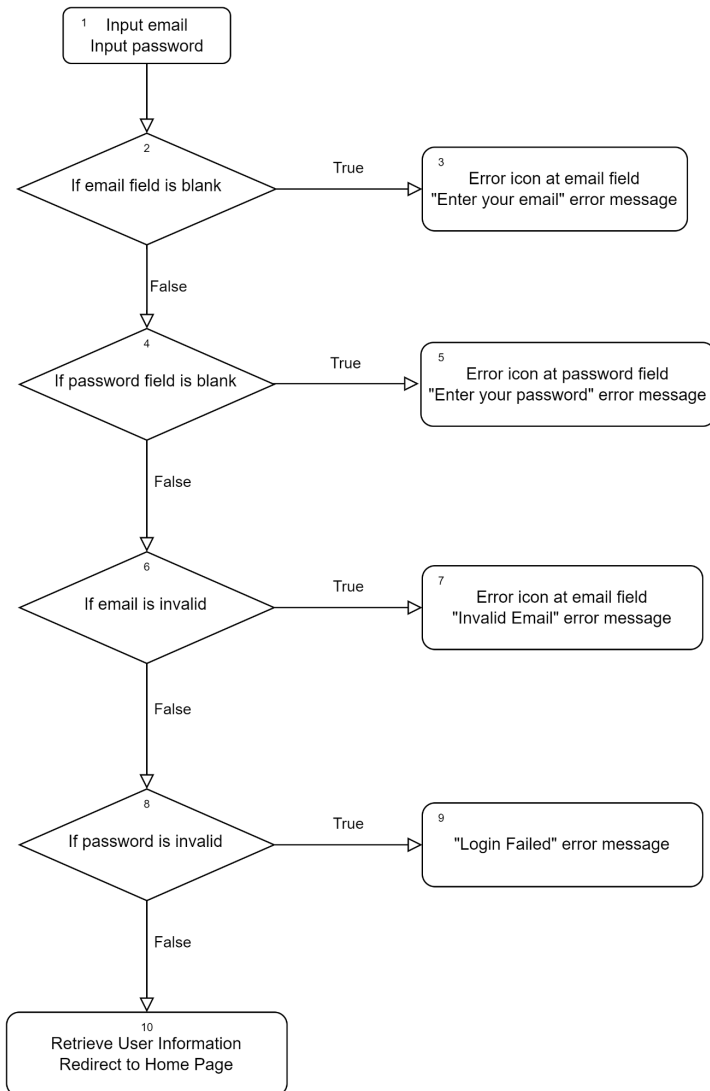
Black Box Testing

1. Register Method: Equivalence Class Testing

Test Input (Valid Input)				Expected Output	Actual Output
Email	Username	Password	Confirm Password		
user@gmail.com	user123123	Hello123%	Hello123%	User account successfully created. User redirected to Home Page.	User account successfully created. User redirected to Home Page.
Test Input (Invalid Input)				Expected Output	Actual Output
Email	Username	Password	Confirm Password		
user@gmail.com	(Blank)	Hello123%	Hello123%	Registration Failed.	Registration Failed.
user@gmail.com	user123123	(Blank)	Hello123%	Registration Failed.	Registration Failed.
user@gmail.com	user123123	Hello123%	hello123%	Registration Failed.	Registration Failed.

White Box Testing

1. Login

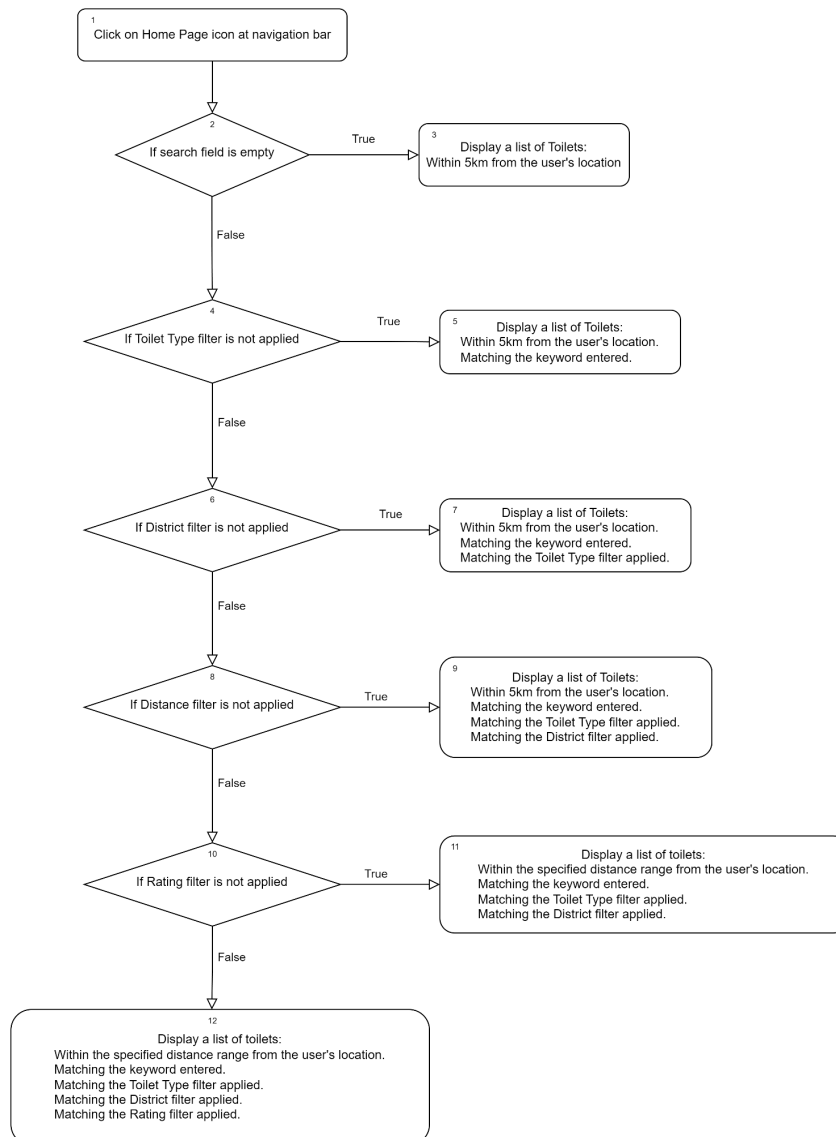


Cyclomatic Complexity = 4 decision points + 1 = 5 basic paths to test

Test ID	Basis Path	Input		Expected Output	Actual Output
		Email	Password		
1	1,2,3,6,8,10	user@gmail.com	Hello123%	User logged in, redirected to Home Page.	User logged in, redirected to Home Page.
2	1,2,3	(blank)	-	Error icon at email field. "Enter your email" error message.	Error icon at email field. "Enter your email" error message.

3	1,2,4,5	user@gmail.com	(blank)	Error icon at password field. "Enter your password" error message.	Error icon at password field. "Enter your password" error message.
4	1,2,4,6,7	usergmail.com	Hello123%	Error icon at email field. "Invalid Email" error message.	Error icon at email field. "Invalid Email" error message.
5	1,2,4,6,8,9	user@gmail.com	hello	"Login Failed" error message.	"Login Failed" error message.

2. Search Toilet based on search field and applying different filters



Cyclomatic Complexity = 5 decision points + 1 = 6 basic paths to test

Test ID	Basis Path	Input (User's location is set at 201 Ang Mo Kio Ave 3, Singapore}					Expected Output	Actual Output
		Search Field	Toilet Type Filter	District Filter	Distance Filter	Rating Filter		
1	1,2,4,6,8,10,12	"Ang Mo Kio"	MRT Station	Central	<500m	2 star	Display a list of toilets: Within the specified distance range from the user's location. Matching the keyword entered. Matching the Toilet Type filter applied. Matching the District filter applied. Matching the Rating filter applied.	Display a list of toilets: Within the specified distance range from the user's location. Matching the keyword entered. Matching the Toilet Type filter applied. Matching the District filter applied. Matching the Rating filter applied.
2	1,2,3	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	A list of toilets within 5km of the user's location displayed.	A list of toilets within 5km of the user's location displayed.
3	1,2,4,5	"Ang Mo Kio"	(Blank)	(Blank)	(Blank)	(Blank)	Display a list of Toilets: Within 5km from the user's location. Matching the keyword entered.	Display a list of Toilets: Within 5km from the user's location. Matching the keyword entered.
4	1,2,4,6,7	"Ang Mo Kio"	MRT Station	(Blank)	(Blank)	(Blank)	Display a list of Toilets: Within 5km from the user's location. Matching the keyword entered. Matching the	Display a list of Toilets: Within 5km from the user's location. Matching the keyword entered. Matching the

							Toilet Type filter applied.	Toilet Type filter applied.
5	1,2,4,6,8,9	"Ang Mo Kio"	MRT Station	Central	(Blank)	(Blank)	Display a list of Toilets: Within 5km from the user's location. Matching the keyword entered. Matching the Toilet Type filter applied. Matching the District filter applied.	Display a list of Toilets: Within 5km from the user's location. Matching the keyword entered. Matching the Toilet Type filter applied. Matching the District filter applied.
6	1,2,4,6,8,10,11	"Ang Mo Kio"	MRT Station	Central	<500m	(Blank)	Display a list of toilets: Within the specified distance range from the user's location. Matching the keyword entered. Matching the Toilet Type filter applied. Matching the District filter applied.	Display a list of toilets: Within the specified distance range from the user's location. Matching the keyword entered. Matching the Toilet Type filter applied. Matching the District filter applied.