TESTING
TEST CASES

	Test Cases	Result
1	Test Cases	Result
2	Verify the user is able to see the Sign up page when the user clicks the signup button in navigation bar	Positive
3	Verify the UI elements in the Sign up page	Positive
4	Verify the user is able to register into the application by providing valid details	Positive
5	Verify the user is able to see the sign in page when the user clicks the signin button in navigation bar	Positive
6	Verify the UI elements in the Sign in page	Positive
7	Verify the user is able to login into the application by providing valid details	Positive
8	Verify the user is able to see the Donor registration page when the user clicks the donate link in navigation bar	Positive
9	Verify the UI elements in the Donor Registration page	Positive
10	Verify the user is able toregister as a donor by providing valid details	Positive
11	Verify the user is able to see the request page when the user clicks the request link in navigation bar	Positive
12	Verify the UI elements in the request page	Positive
13	Verify the user is able to make a request by providing valid details	Positive
14	Verify the user gets a email notification when they sign up	Positive
15	Verify the donor gets a email notification when they make a request	Positive
16	Verify the donor and recipient gets a email notification when the donor accepts the request	Positive
17	Verify the user is able to see the stats page when the user clicks the stage page link in navigation bar	Positive
18	Verify the user is able to interact with the chatbot	Positive

USER ACCEPTANCE TESTING

	Test case ID	Feature Type	Component	Test Scenario	Steps to Execute
2	SignUpPage_TC_001	Functional	Sign Up page	Verify the user is able to see the Sign up page when the user clicks the signup button in navigation bar	1. Enter the url and gs 2. Click the sign up link in the navigation bar. 3. Verify the sign up page is visible or not.
3	SignUpPage_TC_002	UI	Sign Up page	Verify the UI elements in the Sign up page	1. Enter the url and gs 2. Click the sign up link in the navigation bar. 3. Verify the below mentioned ui elements: a. name text box b. email text box. c. password text box. d. repeat password text box. e. sign up button
4	SignUpPage_TC_003	Functional	Sign Up page	Verify the user is able to register into the application by providing valid details	1. Enter the url and gs 2. Click the sign up link in the navigation bar. 3. Enter valid details in the text boxes. 4. Verify the confirmation message.
5	SignInPage_TC_001	Functional	Sign In page	Verify the user is able to see the sign in page when the user clicks the signin button in navigation bar	1. Enter the url and gs 2. Click the sign in link in the navigation bar. 3. Verify the sign in page is visible or not.
6	SignInPage_TC_002	UI	Sign In page	Verify the UI elements in the Sign in page	1. Enter the url and gs 2. Click the sign in link in the navigation bar. 3. Verify the below mentioned ui elements: a. email text box. b. password text box. c. sign in button

	Test Case ID	Type	Page	Description	Steps
6	SigninPage_TC_002	UI	Sign In page	Verify the UI elements in the Sign in page	a. email text box. b. password text box. c. sign in button
7	SigninPage_TC_003	Functional	Sign In page	Verify the user is able to login into the application by providing valid details	1. Enter the url and go 2.Click the sign in link in the navigation bar. 3.Enter valid details in the text boxes. 4. Verify the user is able to login.
8	DonorRegistrationPage_TC_001	Functional	Donor Registration Page	Verify the user is able to see the Donor registration page when the user clicks the donate link in navigation bar	1. Enter the url and go 2.Click the donate link in the navigation bar. 3.Verify the donor registration page is visible or not.
9	DonorRegistrationPage_TC_002	UI	Donor Registration Page	Verify the UI elements in the Donor Registration page	1. Enter the url and go 2.Click the donate link in the navigation bar. 3.Verify the below mentioned ui elements: a. name text box. b. email text box. c. blood group text box. d. contact number text box. e. city text box f. register as donor button
10	DonorRegistrationPage_TC_003	Functional	Donor Registration Page	Verify the user is able to register as a donor by providing valid details	1. Enter the url and go 2.Click the donate link in the navigation bar. 3.Enter valid details in the text boxes. 4. Click the donate button. 4. Verify the user is able to register as a donor successfully
11	RequestPage_TC_001	Functional	Request Page	Verify the user is able to see the request page when the user clicks the request link in navigation bar	1. Enter the url and go 2.Click the request link in the navigation bar. 3.Verify the request page is visible or not.
12	RequestPage_TC_002	UI	Request Page	Verify the UI elements in the request page	1. Enter the url and go 2.Click the request link in the navigation bar. 3.Verify the below mentioned ui elements: a. name text box b. email text box. c. blood group text box. d. contact number text box. e. city text box f. make a request button
13	RequestPage_TC_003	Functional	Request Page	Verify the user is able to make a request by providing valid details	1. Enter the url and go 2.Click the request link in the navigation bar. 3.Enter valid details in the text boxes. 4. Click the request button. 4. Verify the user is able to make a request successfully.
14	Notification_TC_001	Functional	Sign up page	Verify the user gets a email notification when they sign up	1. Enter the url and go 2. Go to the sign up page. 3. Enter the details and click sign up button 4. Verify if they get the email on successful sign up
15	Notification_TC_002	Functional	Request Page	Verify the donor gets a email notification when they make a request	1. Enter the url and go 2. Go to the request page. 3. Enter the details and click make a request button 4. Verify if the donor gets the email on successfully making request.
16	Notification_TC_003	Functional	Profile Page	Verify the donor and recipient gets a email notification when the donor accepts the request	1. Enter the url and go 2. Go to the profile page 3.Accept the pending request. 4. Verify if they get the email containing contact details
17	StatsPage_TC_001	Functional	Stats Page	Verify the user is able to see the stats page when the user clicks the stage page link in navigation bar	1. Enter the url and go 2.Click the stats page link in the navigation bar. 3.Verify the stats page is visible or not
18	Chatbot_TC_001	Functional	Home Page	Verify the user is able to interact with the chatbot	1. Enter the url and go 2.Click the chatbot icon in the home page 3.Verify the chatbot is working or not

PERFORMANCE METRICS

Web application performance metrics help determine certain aspects that impact the performance of an application. There are eight key metrics, including: User Satisfaction—also known as Apdex Scores, uses a mathematical formula in order to determine user satisfaction.

Fig 4.1 Performance Metrics