

# Testing

## Test Strategy

Testing strategies is a general approach to the testing process rather than a method of devising particular system or components tests. Different testing strategies may be adopted depending on the type of system to be tested and the development process used. So considering functional oriented nature of this website we adopted mixture of following strategies.

### **Top down testing :**

Where testing starts with most abstract components and works downwards. The higher levels of our system we checked before testing its detailed components. The program is represented as a single abstracted component with sub-components represented by stubs. So we develop some basic stubs with having same interface as the component but with very less functionality. After the top-level components have been tested, its sub-components are implemented and tested in the same way. We carry this process recursively until the bottom level is implemented.

- **Reasons for choosing these strategies:**

1. Unnoticed design errors may be detected at early stages in the testing process. As these errors are usually structural errors, early error detection means that extensive re-design and re-implementation may be avoided.
2. Another advantage is that a limited, working system is available at an early stage in the development. Which quintessential for this particular software because limited and working system in early stages helps a lot to understand the system requirements better.

# Test Cases, Test Data and Results

## Test Case 1: Registration

This test case is used to checks whether the user will enter his/her correct registration details like first name, last name, email, password etc. and registered at the townwall.

Test ID	Description	Test Value	Input type	Expected Output	Actual Output	Result
1	Mandatory fields are marked with * against the field	First and last Name :  Purvi Rao  Etc.	Valid	No error message	No error message	Success
2	Mandatory fields are marked with * against the field	First and last Name :  _____  Etc.	Invalid	Proper message will be display	Proper message will be display like field is compulsory, Enter correct details etc.	Success
4	After entering all the required fields, submits the data to the server		Valid	User will be successfully Registered at townwall.	User will be successfully Registered as a genuine user at townwall.	Success
5	After entering all the required fields, submits the data to the server		Invalid	User will not be successfully Registered at townwall.	User will not be successfully Registered at townwall and registration fail message will be display.	Success

## Test Case 2: login

This test case checks whether the login by the user will be successfully done or not at townwall.

TestID	Description	Test Value	Input type	Expected Output	Actual Output	Result
1	User Enter email and password	Email : Purvi29@gmail.com	Valid	Login Successfully.	Login Successfully done at townwall.	Success
2	User Enter email and password	Email: Purvi29@gmail.com	Invalid	Login Failed. Give Error Message.	Give error message invalid email or password.	Success

### Test Case 3 : My Account

This test case is used to check and edit the users personal details.

TestID	Description	Test Value	Input type	Expected Output	Actual Output	Result
1	Update the users personal details like name, address, contacts details etc.	Email : Purvi29@gmail.com  Change Password :  Etc.	Valid	User details will be updated	User details will be updated and stored into the server.	Success
2	Update the users personal details like name, address, contacts details etc.	Fname : 123Yogi  Lname : Patel  Etc.	Invalid	User details will not be updated	User details will not be updated proper message will be displayed.	Success
3	User Can Add Events, Add Services, Add Blogs, Add Volunteer Oppourtunity, Add Product Etc. And see this all details		Valid	All the Details will be successfully stored into the database.	Add the Details will be successfully stored into the database and retrieve from the database.	Success
4	User Can Add Events, Add Services, Add Blogs,		Invalid	All the Details will be will not be stored into the database.	Details will not be visible to the user.	Success

	Add Volunteer Oppournity, Add Product Etc. And see this all details					
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## Test Case 4 : Events

This test case is used to get and create the Events at townwall .

TestID	Description	Test Value	Input type	Expected Output	Actual Output	Result
1	Up Coming Events	Short By Date	Valid	User will get the up coming events .	User will get the up coming events according to Date.	Success
2	Up Coming Events	Short By Date	Invalid	User will not get the up coming events (if no events will be created)	User will not get any upcoming events.	Success
3	Add New Events	Events Title : Birthday  Events Location : North Peace  Etc.	Valid	New Event Data will be successfully stored into the database.	New Event Data will be successfully stored into the database.	Success
4	Add New Events	Events Title : _____	Invalid	New Event Data will not be successfully	New Event Data will not be successfully	Success

		Events Location : _____		stored into the database.	stored into the database.	
		Etc.				
5	Events Filtering	Age Range -Family -Kids -Teens  Event Type -Business -comedy  Etc.	Valid	It will display event according to category.	It will display all events according to category.	Success
6	Events Filtering	Age Range -Family -Kids -Teens  Event Type -Business -comedy  Etc.	Invalid	It will not be display event according to category.	It will not be display all events according to category.	Success

## Test Case 5 : Services

This test case is used to get and create the various services at townwall .

TestID	Description	Test Value	Input type	Expected Output	Actual Output	Result
1	User will get All the Services	Shorted By Recently Added	Valid	User will get all the services which are recently added.	User will get all the services which are recently added.	Success

2	User will get All the Services	Shorted By Recently Added	Invalid	User can't be able to get any of the services which are recently added.	User can't be able to get any of the services which are recently added.	Success
3	Add New Services	Service Title : Car  Service Provider : YAMC  Service Location: North peace  Etc.	Valid	New Service Data will be successfull y stored into the database.	New Service Data will be successfully stored into the database.	Success
4	Add New Services	Service Title : _____  Service Provider : _____  Service Location : _____  Etc.	Inalid	New Service Data will not be successfull y stored into the database.	New Service Data will not be successfully stored into the database.	Success

## Test Case 6 : News

This test case is used to get and add the news details at townwall.

TestID	Description	Test Value	Input type	Expected Output	Actual Output	Result
1	User will get All the News Details	Shorted By Date	Valid	User will get all the latest news details which are recently added.	User will get all the latest news details which are recently added.	Success
2	User will get All the News Details	Shorted By Date	Invalid	User will not get all the latest news details which are recently added.	User will not get all the latest news details which are recently added.	Success
3	Add New Blog	Blog Name : Birthday  Area Served : Taylor Etc.	Valid	New News/Blog detail will be successfully stored into the database.	New News/Blog detail will be successfully stored into the database.	Success
4	Add New Blog	Blog Name : _____  Area Served : _____ Etc.	Invalid	New News/Blog details will not be stored into the database.	New News/Blog details will not be stored into the database.	Success



## Test Case 7: Products

This test case is used to get and add new products details at townwall.

TestID	Description	Test Value	Input type	Expected Output	Actual Output	Result
1	User will get All the Products Details	Shorted By Recently	Valid	User will get all the latest products details which are recently added.	User will get all the latest products details which are recently added.	Success
2	User will get All the Products Details	Shorted By Recently	Invalid	User will not get all the latest products details.	User will not get all the latest products details.	Success
3	My Products Details	Product Details Based on category.  -Hand based Pottery  -New Year Special Gifts  Etc.	Valid	User will get all the products based on category.	User will get all the products details based on category.	Success
4	My Products Details	Product Details Based on category.  -Hand based Pottery	Invalid	User will not get all the products based on category.	User will not get all the products details based on category.	Success

		Etc.				
5	Add New Product	Product Name : Gift for kids  Product Organization : YAMC	Valid	New product details will be successfully stored into the database.	New product details will be successfully stored into the database.	Success
6	Add New Product	Product Name : _____  Product Organization : _____ Etc.	Invalid	Product details will not be successfully stored into the database.	New product details will be successfully stored into the database.	Success

## Test Case 8: Organizations

This test case is used to get and add new organizations details at townwall.

TestID	Description	Test Value	Input type	Expected Output	Actual Output	Result
1	User will get All the Organizations Details	Group By Type	Valid	User will get all the organizations details which are recently added.	User will get all the organizations details which are recently added.	Success
2	User will get All the Organizations Details	Group By Type	Invalid	User will get all the organizations details which are recently added.	User will not get all the organizations details which are recently added.	Success

3	Add New Organization	Organization Name: APPF Organization Type : YAMC  Etc.	Valid	New Organization details will be successfully stored into the database.	New Organization details will be successfully stored into the database.	Success
4	Add New Organization	Organization Name: _____ Organization Type : _____ Etc.	Invalid	New Organization details will not be stored into the database.	New Organization details will not be successfully stored into the database.	Success

## Test Case 9: My Published and Volunteer Opportunities

This test case is used to get and add new Volunteer Opportunities details at townwall.

TestID	Description	Test Value	Input type	Expected Output	Actual Output	Result
1	User will get All the Volunteer Opportunities	Sorted By Date	Valid	User will get all the Volunteer Opportunities details which are recently added.	User will get all the Volunteer Opportunities details which are recently added.	Success
2	User will get All the Volunteer Opportunities	Sorted By Date	Invalid	User will not get all the Volunteer Opportunities details which are recently added.	User will not get all the Volunteer Opportunities details which are recently added.	Success

3	Add New Volunteer Opportunities	Volunteer Name: APPF Host Organization: PKWT Etc.	Valid	New Volunteer Opportunities details will be successfully stored into the database.	New Volunteer Opportunities will be successfully stored into the database.	Success
4	Add New Volunteer Opportunities	Volunteer Name: _____  Host Organization: _____  Etc.	Invalid	New Volunteer Opportunities details will not be successfully stored into the database.	New Volunteer Opportunities will not be successfully stored into the database.	Success

## Test Case 10 : Locations

This test case is used to get the locations.

TestID	Description	Test Value	Input type	Expected Output	Actual Output	Result
1	User will get the location according to date	Sorted By Date	Valid	User will get All the locations details which are added.	User will get All the locations details which are added.	Success
2	User will get the location according to date	Sorted By Date	Invalid	User will not get All the locations details.	User will not get All the locations details.	Success