Acceptance Testing

Testing Environment:
- Setup the Smart Fan in an environment and then raise the temperature of the room to 28 degrees celsius to observe the result
- Setup the Smart Fan in an environment and then drop the temperature of the room to below 28 degrees celsius to observe the result.

Test 1	Testing smart Fan Actuation					
Definition of Acceptance Test:	Checking to see if the fan turns on when the temperature crosses 28C					
Test	Action	Expected Outputs	Pass	Fail	N/A	Comments
1	Increase the temperature to more than 28C	Fan turns on and starts spinning	✓			Verifies the operation of the fan turning on when the temperature crosses 28 C
2	Decrease the temperature to less than 28 C	Fan turns off and stops spinning	✓			Verifies the operation of the fan turning off when the temperature is below 28 C
Overall Test Result			✓			Passed Integration Test

Testing Environment:
- Use the phone App emulator to connect and send messages to the smart fan and then observe the behaviour.

Test 2	Testing smart Fan Actuation using Phone App					
Definition of Acceptance Test:	Checking to see if the fan turns on when message is sent from Phone App					
Test	Action	Expected Outputs	Pass	Fail	N/A	Comments
1	Connect the Phone App to the microcontroller	Connection is successful	✓			Verifies the operation of the user successfully connecting to the nodemcu
2	Turn the Fan button	Fan turns on and	✓			Verifies the operation of the

	on in the App	starts spinning				fan turning on when the user presses the button on the phone
Overall Test Result			✓			Passed Integration Test

Testing Environment

- Allow users to go on the website domain and then test if you are able to create an account and signup.

Test 3	Users are able to successfully create an account					
Definition of Acceptance Test:	Are users able to create an account and login to the system					
Test	Action	Expected Outputs	Pass	Fail	N/A	Comments
1	User registers on the backend	Registration is successful	✓			Verifies the operation of the user successfully creating the account
2	User logs into their account	Takes users to the dashboard page	✓			Verifies the operation of the user successfully logged in to the system
Overall Test Result			✓			Passed Integration Test