

Test Plan

Performance Testing

- After reading the RFID data, measure the response time taken
 - To verify the user id using database and unlock the door
 - To update the database
 - To display those data in the website
- Measure the time between two responses

Integration Testing

- Website and embedded parts are developed separately by different group members
They are combined together to the firebase database and tested

Unit Testing

Hardware Testing

- Check each unit separately (Power, Code) and check whether the expected output is received
 - IR sensors
 - Fingerprint Sensor
 - Door Lock
 - RFID reader

Software Testing

- Develop the system into simple units (functions). Ex :Testing a function; whether loop or statement in a program is working properly or not using unit testing libraries