

# PRODUCT VALIDATION



## End to end validation of the companion mobile App of a Robotic Vacuum Cleaner Manufacturer

Test Environment

System Testing

### SCOPE

- iOS and Android mobile Application Validation
  - **Functional Testing** - Launching of the application, User registration/signup, Device onboarding, Robot control
  - **Compatibility Testing** - OS version compatibility, upgrades
  - **Language localization** - Mobile app tests for various languages and device location settings, EU compliance
  - **Mapping Smoothing** - Map smoothing algorithm accuracy and functional validation
- Connectivity & Network test - low network connectivity behaviors,
- Performance testing - load testing, response time,
- User experience - Usability and user testing. Testing in model homes and other environments

### TOOLS

- Appium Tool with Eclipse IDE-Selenium
- JIRA



VALIDATION FOR MOBILE APPLICATION

PRODUCT PHASE

In market

## End to end validation of the companion mobile App of a Robotic Vacuum Cleaner Manufacturer

### SCOPE

- Integrating gateway and IoT devices to iControl cloud platform
- Mobile Application integration and on-boarding
- Feature upgradation
- Testing: Connectivity and performance

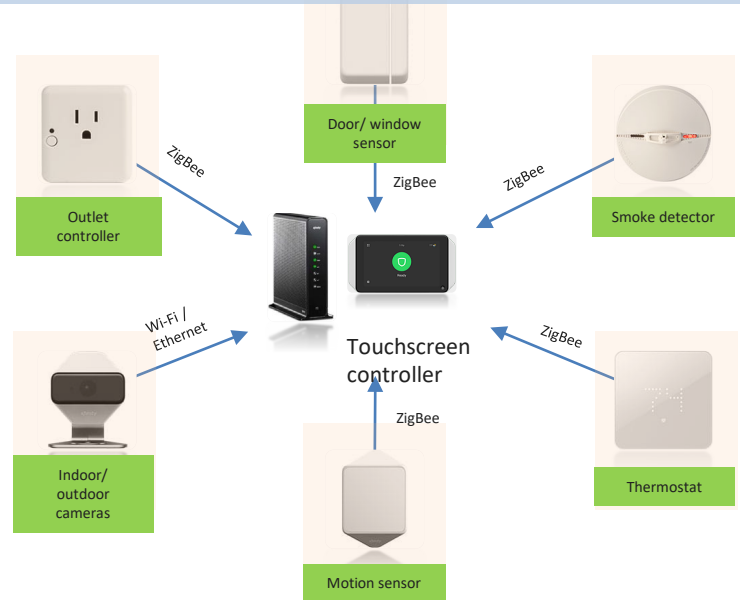
### SCALING TO NEXT LEVEL

- Cloud based Rules Engine for more reliability
- Additional scheduling options while creating rules (day, time, security mode)
- Multiple users within same household can access app to create/update rules
- Scalable & Support for multiple tenants
- Support for multiple device operations (Scenes)

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System Testing

## INTEROPERABILITY TESTING AND SYSTEM INTEGRATION



TEAM SIZE	MARKET	DELIVERY MODEL	PRODUCT PHASE
12	Smart Home	Fixed Cost	Fixed Cost