**CNG 491 - Senior Project and Seminar:Design**



**Test Plan Outline**

**Project**

Smart Home Senior Project

**Group Members**

2041226 – Temirlan BAYESHOV

2016129 – Anıl PEKER

# Introduction

This report contains all the test plan that will be implemented to “Smart Home Prototype Senior Project”. The plan that we consider consists testing strategies, test items, features to be tested & not to be tested, criteria that is about pass/fail, test deliverables and test schedules.

# Testing Strategy

We decided to use unit test, integration test, smoke testing, validation testing, stress testing, system testing.

* In that project unit test must be tested because there are many function which is written with different software language.
* Project is containing many mobile application and backend process because of that, in these part of this project, we will test that with system and integration testing.
* Stress testing will be used for the backend and servers.
* Smoke testing is related with Smart Home since whole system should be tested when new components are added.
* Validation testing will give information about Smart Home Prototype Senior Project are satisfied or not.

# Test Items (Functions)

This section is giving information about test items that will be generate on the project.

1. Unit Test
2. System and Integration Testing
3. Stress and Performance Testing
4. Alpha/Beta Testing
5. Security Testing
6. Smoke Testing
7. Validation Testing