

# CO421: Software Testing Lab

**Team:**

Palak Singhal 16CO129  
Sharanya Kamath 16CO140

**Submitted to:**

Dr. P. Santhi Thilagam  
Professor, CSE Dept, NITK

**Date:** Aug 26th 2019

---

## ABSTRACT

**Aim:** To select an application and perform testing techniques over it using a testing tool of our choice.

**Application Selected:** Shuup E-Commerce Platform

**Software type:** Open Source Web Application.

**Link:** <https://www.shuup.com/>

### About the application:

Shuup is an open-source e-commerce platform built on top of Django. It aims at satisfying both sellers and buyers: features B2B, B2C, and multi-vendor stores. Shuup store features unlimited products, product types, and categories. Built-in features also include customer groups and customer property management. You can add a person or company contacts, integrate Stripe payments and customize checkout process.

Features of Shuup include Newsletter, Email, Website Design, Inventory, Payment Gateways, Shipping etc. Growing multi-vendor technologies like e-malls, niche marketplaces, service economies, and localized delivery will dominate traditional e-commerce.

Existing industry software were not usable for the complex enterprise and B2B solutions we were creating from the ground up. Shuup was innovated and developed internally by Shuup's commerce experts as the perfect multi-vendor marketplace development platform.

**Built on:** Django ( Python based framework)

### Software Testing Tools selected:

Functional Testing Tool: Selenium

Non-Functional Testing Tool: JMeter

### Types of testing we intend to do:

Functional Tests:

1. Unit Testing
2. Black Box Testing

Non-Functional Tests:

1. Load Testing
2. Stress Testing

