CO421: Software Testing Lab

Team Members :

Rounak Modi - 171CO236
Veena Nagar - 171CO151
Date: 14th Jan 2021

ABSTRACT

Aim: To choose an open source application and to choose two types of Functional testing and two types of Non-functional Testing for the chosen application.

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 web based application easy to use, customize and scale. It is built on top of the python framework - Django. Shupp aims at satisfying both sellers and buyers: features B2B, B2C, and multi-vendor stores. Shuup was innovated and developed internally by Shuup's commerce experts as the perfect multi-vendor marketplace development platform.
Shuup stores feature 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 the checkout process.
Shupp has features such as 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 was not usable for the complex enterprise and B2B solutions we were creating from the ground up. This application is suitable for studying testing as it has 100-200 classes and detailed documentation.

Built on: Django (Python based framework)

Software Testing Tools selected:
1. Functional Testing Tool: Selenium
2. Non-Functional Testing Tool: JMeter

Types of testing we intend to do:
1. Functional Tests:
    a. Unit Testing
    b. Black Box Testing
2. Non-Functional Tests:
    a. Load Testing
    b. Stress Testing