**CAPSTONE PROJECT**

1. **Link to the repository:**

**https://github.com/Supreethicheru/Capstone\_project.git**

1. **Description of the project:**

* **In this project, I have created a automation script in maven and have imported its properties.**
* **The goal of the script is to buy any product on the website:** [**https://www.saucedemo.com/**](https://www.saucedemo.com/)
* **Then, I have crested packages and classes in it for the implementation.**
* **For storing all the web elements, I have created a pom.xml file which is called a page-object model to improve efficiency and redundancy of the script.**
* **After executing the script, the extent reports were generated at the end.**
* **The main concept used here in this project is pom.xml which is page object model as this tool has made developing reports, checking build and testing automation setups easy.**
* **Each Maven project provides a pom. xml file that captures dependencies, project structure properties, build phase tasks and behavior. Most of the POM properties have defaults that result in a compact but powerful mechanism for describing project build behavior.**
* **Pom.xml file helps reduce code duplication and improves test case maintenance. In Page Object Model, it considers each web page of an application as a class file.**
* **This is the example model of pom.xml file:**

**<project xmlns="http://maven.apache.org/POM/4.0.0"**

**xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"**

**xsi:schemaLocation="http://maven.apache.org/POM/4.0.0**

**http://maven.apache.org/xsd/maven-4.0.0.xsd">**

**<modelVersion>4.0.0</modelVersion>**

**<groupId>com.javatpoint.application1</groupId>**

**<artifactId>my-app</artifactId>**

**<version>1</version>**

**</project>**

* **The application can be improvised by suggesting more clear picture of the errors which show in console output. For example – showing where the error can be modified and suggesting the modification for it. Sometimes, it is uncertain that at what place, the error has been occurred.**
* **The project was really amazing and I found interesting while doing. It is very easy to write the scripts and test using websites and analysing them.**