

<b>PROJECT</b>	Online Shopping Portal	<b>PAGE NO.</b>	
<b>MODULE</b>	All		
<b>VERSION</b>	1		

## Introduction

### Existing System :

1. The aim of this document is to gather and analyze and give an in-depth insight of the complete Marvel Electronics and Home Entertainment software system by defining the problem statement in detail.
2. Nevertheless, it also concentrates on the capabilities required by stakeholders and their needs while defining high-level product features.
3. The detailed requirements of the Marvel Electronics and Home Entertainment are provided

### Proposed System :

#### 1.1 Purpose

The purpose of the document is to collect and analyze all assorted ideas that have come up to define the system, its requirements with respect to consumers. Also, we shall predict and sort out how we hope this product will be used in order to gain a better understanding of the project, outline concepts that may be developed later, and document ideas that are being considered, but may be discarded as the product develops

In short, the purpose of this SRS document is to provide a detailed overview of our software product, its parameters and goals. This document describes the project's target audience and its user interface, hardware and software requirements. It defines how our client, team and audience see the product and its functionality. Nonetheless, it helps any designer and developer to assist in software delivery lifecycle (SDLC) processes.

#### 1.2 Scope

Primarily, the scope pertains to the E-Store product features for making Marvel Electronics and Home Entertainment project live. It focuses on the company, the stakeholders and applications, which allow for online sales, distribution and marketing of electronics.

STUDENTS'S NAME \_\_\_\_\_ MENTOR'S SIGNATURE \_\_\_\_\_

<b>PROJECT</b>	Online Shopping Portal	<b>PAGE NO.</b>	
<b>MODULE</b>	All		
<b>VERSION</b>	1		

### 1.3 Definition, Acronyms and Abbreviations:

- **ADMINISTRATOR:** He can add product . He can also search for a product.
- **USER:** User can buy a product and also he can make payment by payment gateway.

- **JAVA:**

Java is a general purpose, high-level programming language developed by Sun Microsystems. A small team of engineers, known as the *Green Team*, initiated the language in 1991. Java was originally called *OAK*, and was designed for handheld devices and set-top boxes.

Java is an object-oriented language similar to C++, but simplified to eliminate language features that cause common programming errors. Java source code files (files with a *.java* extension) are compiled into a format called *bytecode* (files with a *.class* extension), which can then be executed by a Java interpreter. Compiled Java code can run on most computers because Java interpreters and runtime environments, known as *Java Virtual Machines (VMs)*, exist for most operating systems, including UNIX, the Macintosh OS, and Windows. Bytecode can also be converted directly into machine language instructions by a just-in-time compiler (JIT).

<b>PROJECT</b>	Online Shopping Portal	<b>PAGE NO.</b>	
<b>MODULE</b>	All		
<b>VERSION</b>	1		

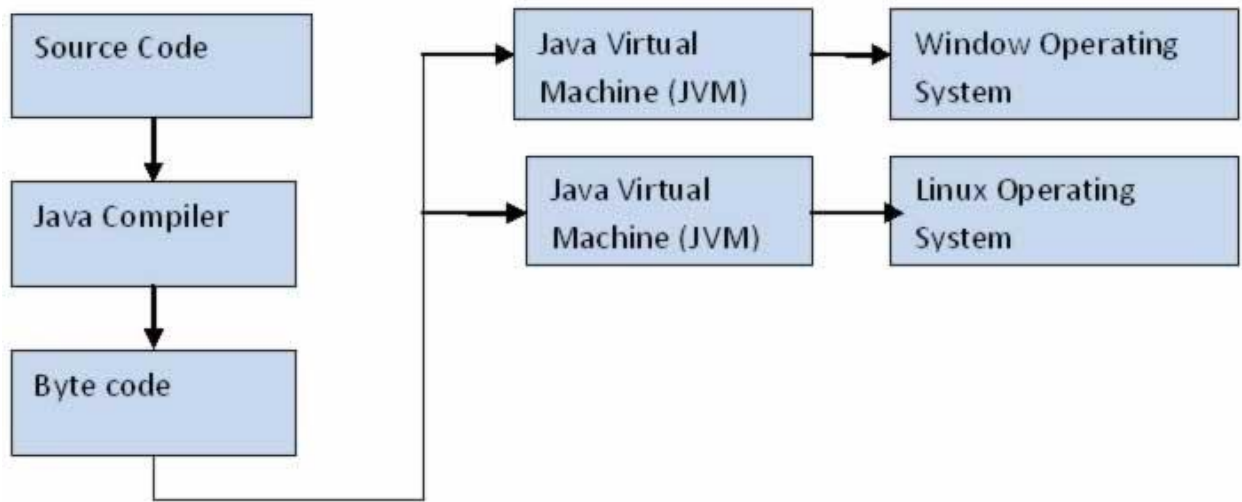


Fig 1: java program execution process

- **RSA:**

Rational Software Architect is a modeling and development environment that uses the Unified Modeling Language (UML) for designing architecture for C++ and Java EE (JEE) applications and web services. Rational Software Architect is built on the Eclipse open-source software framework and includes capabilities focused on architectural code analysis, C++, and model-driven development (MDD) with the UML for creating applications and web services.

- **UML:**

The Unified Modeling Language (UML) is a general-purpose, developmental, modeling language in the field of software engineering, that is intended to provide a standard way to visualize the design of a system. Unified Modeling Language is a blueprint for software.

- **MySQL:**

**MySQL** is an open-source relational database management system(RDBMS); in July 2013, it was the world's second most widely used RDBMS, and the most widely used open-source client–server model RDBMS. MySQL is a popular choice of database for use in web applications.

<b>PROJECT</b>	Online Shopping Portal	<b>PAGE NO.</b>	
<b>MODULE</b>	All		
<b>VERSION</b>	1		

## • ECLIPSE:

In computer programming, Eclipse is an integrated development environment (IDE). It contains a base workspace and an extensible plug-in system for customizing the environment. Eclipse is written mostly in Java and its primary use is for developing Java applications, but it may also be used to develop applications in other programming languages through the use of plugins, including: Ada, ABAP, C, C++, COBOL, Fortran etc.

Eclipse uses plug-ins to provide all the functionality within and on top of the runtime system. Its runtime system is based on Equinox, an implementation of the OSGi core framework specification. Eclipse implements the graphical control elements of the Java toolkit called SWT, whereas most Java applications use the Java standard Abstract Window Toolkit (AWT) or Swing. Eclipse's user interface also uses an intermediate graphical user interface layer called JFace, which simplifies the construction of applications based on SWT.

## 1.5 Tools and Technologies to be used:

JAVA – Language

RSA – UML Design tool

MySQL – Database

Eclipse – Development Platform

Microsoft Office – Documentation tool

## 1.6 Overview:

SRS includes two sections- overall description and specific requirements

- Overall description will describe the major role of the system components and interconnections.
- Specific requirements will describe roles and functions of all the actors.

STUDENTS'S NAME \_\_\_\_\_ MENTOR'S SIGNATURE \_\_\_\_\_

<b>PROJECT</b>	Online Shopping Portal	<b>PAGE NO.</b>	
<b>MODULE</b>	All		
<b>VERSION</b>	1		

## 2. Overall Description

This document contains the problem statement that the current system is facing which is hampering the growth opportunities of the company. It further contains a list of the stakeholders and users of the proposed solution. It also illustrates the needs and wants of the stakeholders that were identified in the brainstorming exercise as part of the requirements workshop. It further lists and briefly describes the major features and a brief description of each of the proposed system.

The following SRS contains the detail product perspective from different stakeholders. It provides the detail product functions of E-Store with user characteristics permitted constraints, assumptions and dependencies and requirements subsets.

### 2.1 Project Prospective

- The project should be totally self contained and independent.
- The project is intended to be a stand-alone product.
- It is a web based interface which will be the website of buying of products.

### 2.2 Product Features

It includes following features :

- Login process
- Registration

### 2.3 Product Function

A summary of the major functions that the software will perform:

- **Maintain Database :**  
The daily entries are recorded in the database. These are then accessed according to the requirements.
- **Student Registration forms :**  
To register, student has to fill some entries and then register himself/herself.
- **Security Management :**

STUDENTS'S NAME \_\_\_\_\_ MENTOR'S SIGNATURE \_\_\_\_\_

<b>PROJECT</b>	Online Shopping Portal	<b>PAGE NO.</b>	
<b>MODULE</b>	All		
<b>VERSION</b>	1		

For the security of the data there is a login system. Logins are created for administrator and student. They can login by using their id and password. The administrator has full rights to the system. The administrator can maintain all the details of the student.

### 2.3.1 FUNCTIONAL REQUIREMENTS

It deals with the functionalities required from the system which are as follows:

#### 1.Registration:

##### ✓ Add user:

The system shall allow users to register themselves before performing any of the operation.

#### 2.Database:

##### ✓ User's mandatory information:

Each user should have the following mandatory information: First name, Last name, Phone Number, Address, Gender and registration no.

##### ✓ Admin's mandatory information:

Each student should have the following mandatory information: First name, Last name, Phone Number, Address and Gender.

##### ✓ Information regarding Product:

Each product has following information related to it : Name, price

### 2.3.2 NON FUNCTIONAL REQUIREMENTS

They are the quality requirements that stipulate how well software does what it has to do.

#### 2.3.2.1 Performance

When the Online Shopping System will be implemented admin and student will easily access library as searching and book transaction will be very faster.

#### 2.3.2.2 Availability

Online Shopping System has 24\*7 availability. It can be accessed for 24 hours a day.

STUDENTS'S NAME \_\_\_\_\_ MENTOR'S SIGNATURE \_\_\_\_\_

<b>PROJECT</b>	Online Shopping Portal	<b>PAGE NO.</b>	
<b>MODULE</b>	All		
<b>VERSION</b>	1		

### **2.3.2.3 Reliability**

It means the extent to which software performs with required precision. The application developed should be extremely reliable and secure so that information about any files is not leaked.

### **2.3.2.4 Usability**

The application is user friendly and require least effort to operate.

### **2.3.2.5 Portability**

The website is made using java which is platform independent and can be transported to other servers with minimum effort.

### **2.3.2.6 Flexibility**

It is effort required to modify operational program. The whole website should be made using independent modules so that any changes done in 1 module should not effect the other one and new modules can be added easily to increase functionality.

## **2.4 Software Interface:**

Operating System : Windows x

Database : MySQL

Development Tools : Eclipse

Documentation tool : Microsoft office

## **2.5 Hardware Interface:**

HARDWARE : Pentium based systems with a minimum of p4

STUDENTS'S NAME \_\_\_\_\_ MENTOR'S SIGNATURE \_\_\_\_\_

<b>PROJECT</b>	Online Shopping Portal	<b>PAGE NO.</b>	
<b>MODULE</b>	All		
<b>VERSION</b>	1		

RAM : 1 GB (minimum)

HDD : 500 GB

Display : 1024 x 768 High color-32-bit

## 2.6 User Characteristics:

### 2.6.1 Educational level:

Users should be comfortable with the English language.

### 2.6.2 Experience:

Users should have prior information regarding the file system present.

### 2.6.3 Skills:

Users should be comfortable using general purpose applications on computers.

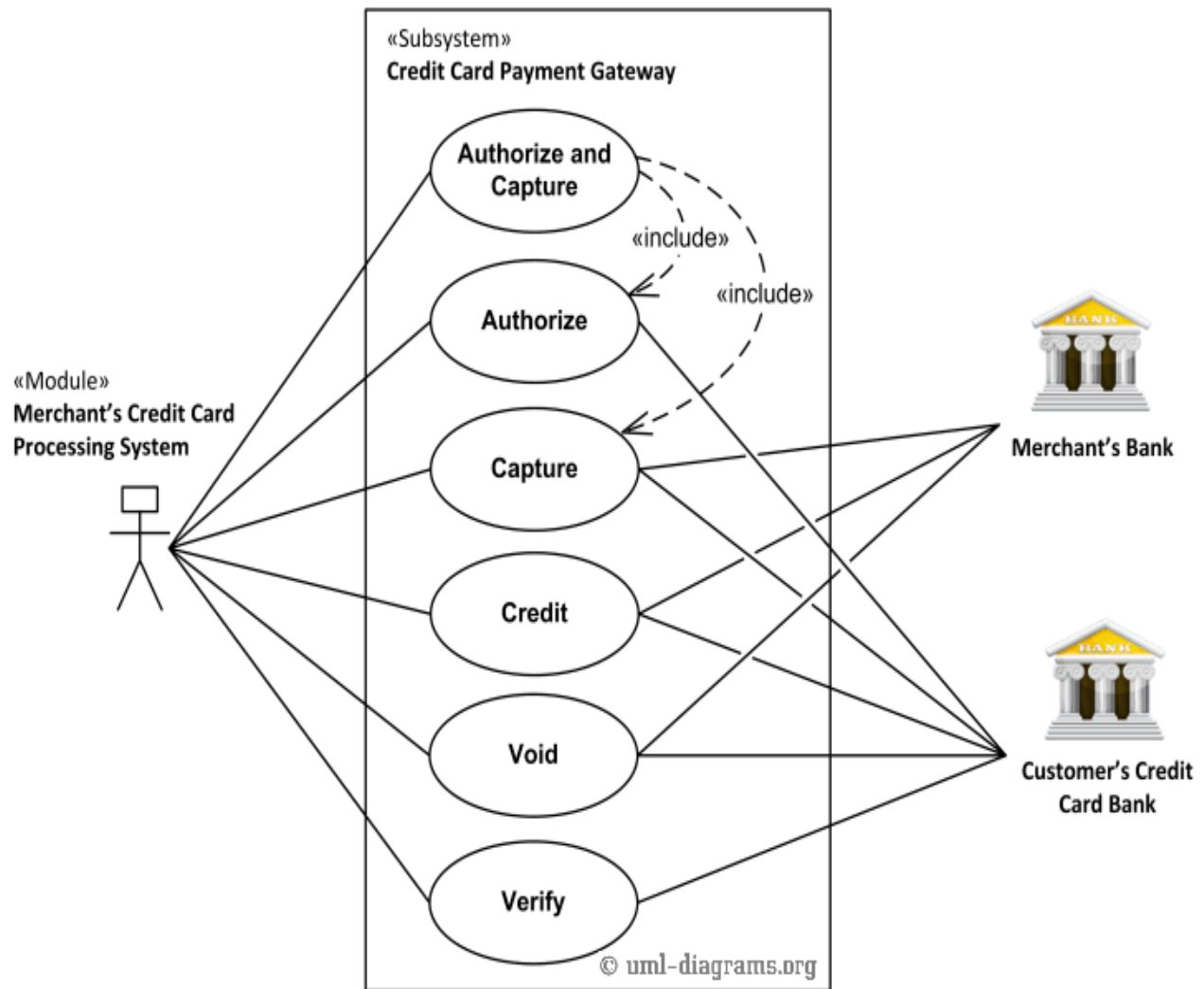
## 2.7 UML Diagrams

### 2.7.1 Use Case:

STUDENTS'S NAME \_\_\_\_\_ MENTOR'S SIGNATURE \_\_\_\_\_



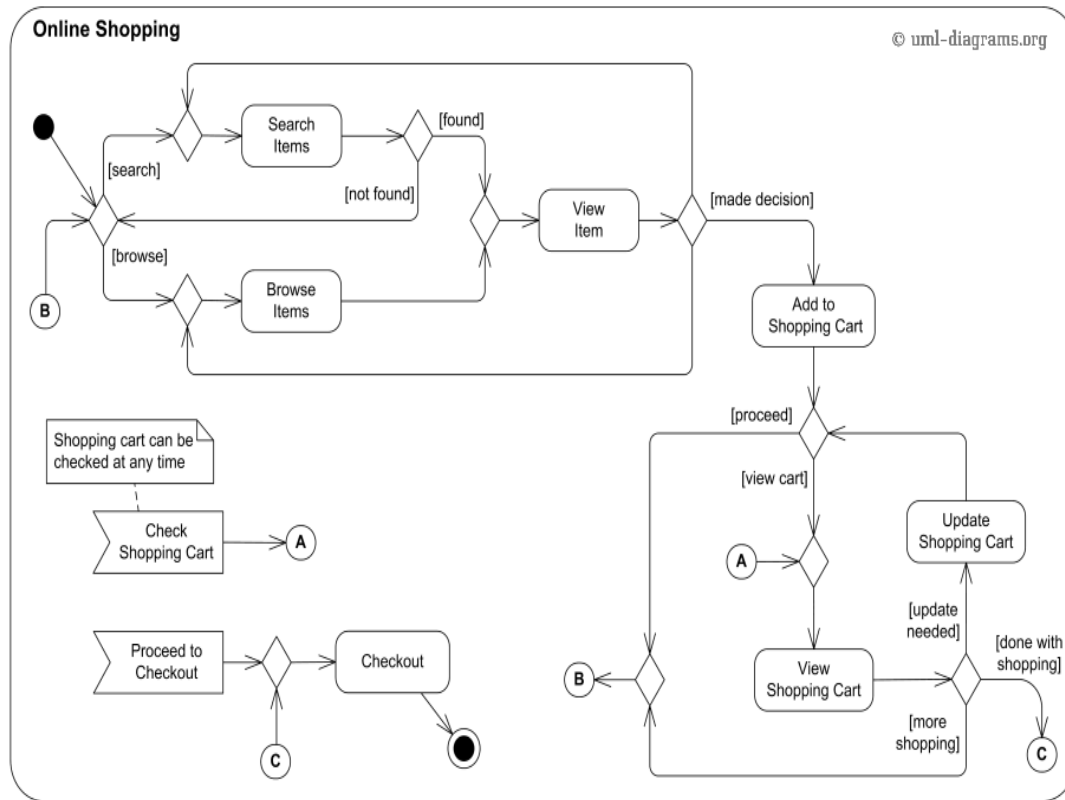
<b>PROJECT</b>	Online Shopping Portal	<b>PAGE NO.</b>	
<b>MODULE</b>	All		
<b>VERSION</b>	1		



Activity diagram:

STUDENTS'S NAME \_\_\_\_\_ MENTOR'S SIGNATURE \_\_\_\_\_

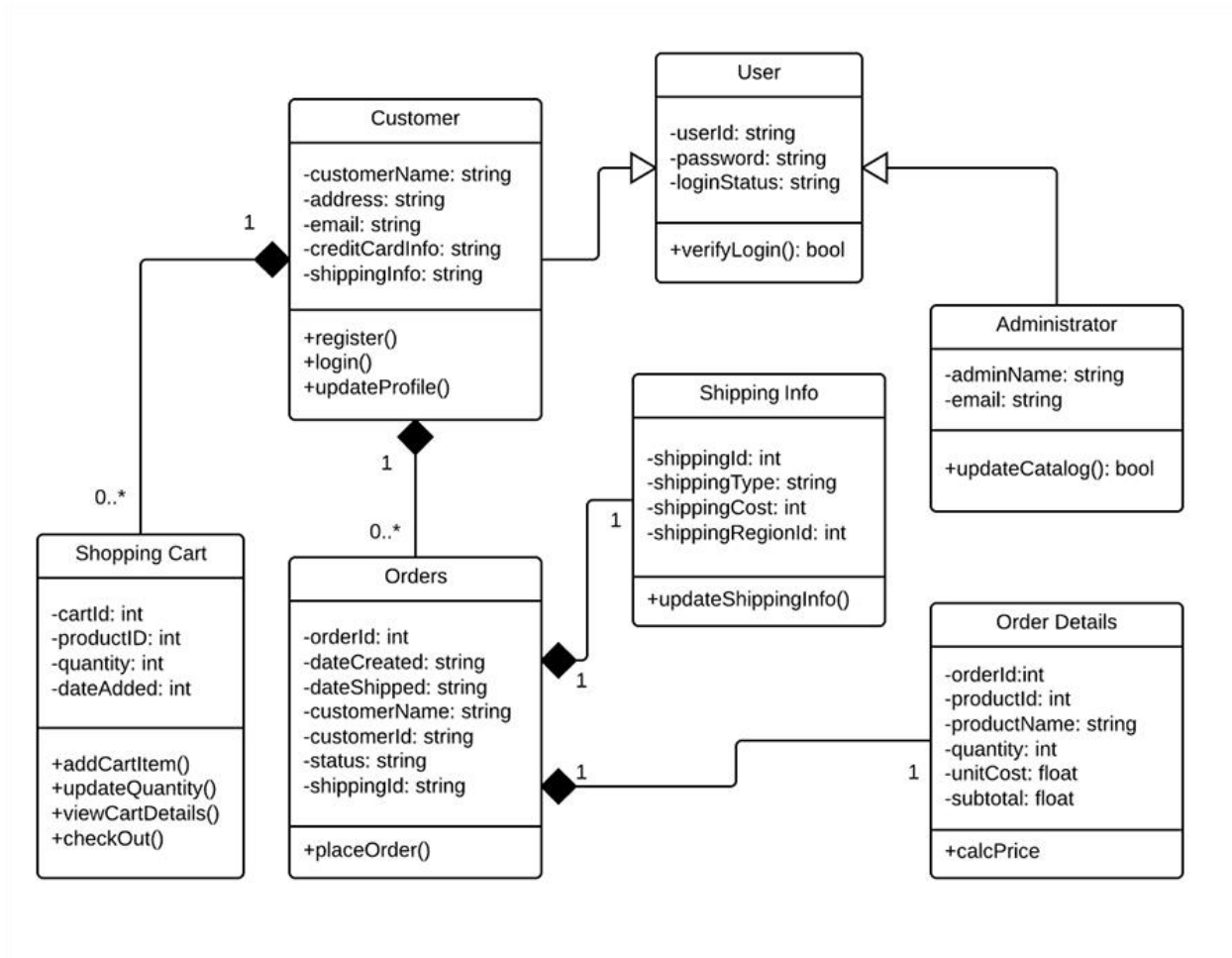
<b>PROJECT</b>	Online Shopping Portal	<b>PAGE NO.</b>	
<b>MODULE</b>	All		
<b>VERSION</b>	1		



Class Diagram:

STUDENTS'S NAME \_\_\_\_\_ MENTOR'S SIGNATURE \_\_\_\_\_

<b>PROJECT</b>	Online Shopping Portal	<b>PAGE NO.</b>	
<b>MODULE</b>	All		
<b>VERSION</b>	1		



STUDENTS'S NAME \_\_\_\_\_ MENTOR'S SIGNATURE \_\_\_\_\_