

# welcome to shopforhome

(online shopping)





## Group Members

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# **Presentation on E-commerce (online shopping)**

# **Shopforhome**



# Introduction

## Definition

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It consist of buying and selling goods and services over an décor stuff such as the internet and other computer networks.

Our system is an e-commerce website from where people can buy products online.

Admin monitors the activity of the users and checks the transactions.

# Problem Statement

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ShopForHome is a popular Store in the market for shopping the home décor stuff .Due to Covid 19 all the offline shopping stopped. So, the store wants to move to the online platforms and wants their own web application.

There are 2 users on the application: -

1. User
2. Admin

# User Stories.

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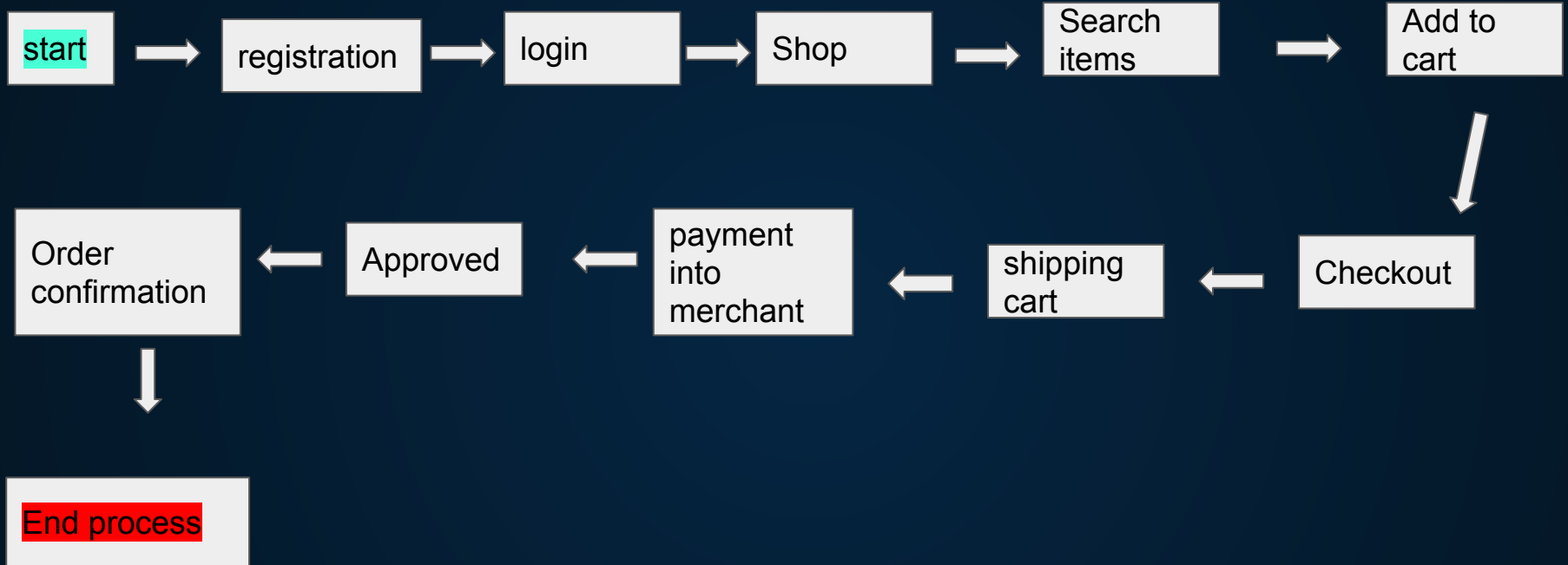
1. As a user I should be able to login, Logout and Register into the application.
2. As a user I should be able to see the products in different categories.
3. As a user I should be able to sort the products.
4. As a user I should be able to add the products into the shopping cart.
5. As a user I should be able to increase or decrease the quantity added in the cart.
6. As a user I should be able to add “n” number of products in the cart.
7. As a user I should be able to get the Wishlist option where I can add those products which I want but don't want to order now
8. As a user I should get different discount coupons.

# Admin Stories—

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1. As an Admin I should be able to login, Logout and Register into the application
2. As an Admin I should be able to perform CRUD on Users.
3. As an Admin I should be able to Perform CRUD on the products.
4. As an Admin I should be able to get bulk upload option to upload a csv for products details.
5. As an Admin I should be able to get the stocks.
6. As an Admin I should be able to mail if any stock is less than 10.
7. As an Admin I should be able to get the sales report of a specific duration.
8. As an Admin I should be able to set the discount coupons for the specific set of users.

# Business Flow Model

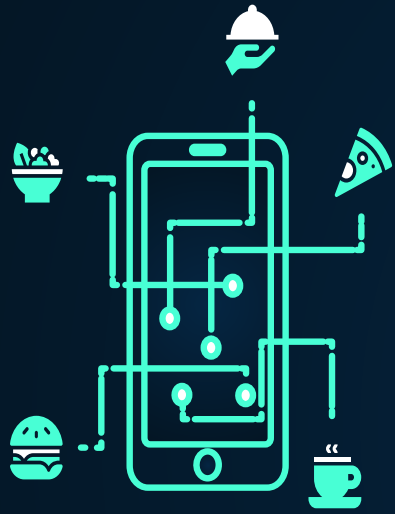






# Ecommerce model

# Business Features



- 1.Menu
- 2.Category list
- 3.Product list
- 4.search option
- 5.Related product
- 6.Shopping cart
- 7.Wishlist

- 8.offer
- 9.Discount coupons
10. login/logout

# 1. Front-end, which is client-facing

## HTML(HyperText Markup Language)

It is the standard markup language that is used for designing documents that are displayed in a web browser.

## CSS(Cascading Style Sheets)

A style sheet language, CSS assists in describing the presentation of a documentation that is written in a markup language, like HTML. CSS is a basic technology of the world wide web, parallel to HTML and javascript.

## JavaScript

The widely accepted front-end programming language, JavaScript is used for appending interactivity into static HTML pages.

## Node.js

An open-source runtime environment, Node.js, permits developing front-end and back-end solutions based on Js. Node development holds various advantages for ecommerce solution.

## Angular

A front-end framework, angular, is used in developing dynamic mobile, web, and desktop apps. it is known as a robust and complete solution that is developed and supported by google. Various brands prefer Angular.js development services for developing ecommerce websites.

## TypeScript

TypeScript is a programming language developed and maintained by microsoft. It is a syntactical superset of JavaScript and adds optional static typing to the language.

## Hibernate

Hibernate is an open source object relational mapping (ORM) tool provides a framework to map object-oriented domain models to relational databases for web applications.

Object relational mapping is based on the containerization of objects and the abstraction that provides that capacity.

## 2. Backend, which is server-facing

### Databases

Database is the heart of the technology platform, where all of the main data are stored the top and widely accepted databases are: MySQL, MongoDB, PostgreSQL

### Web Server

Software that takes requests from the users analyzes them, and offers an output of the requested documents back to those users is known as web servers.

### Spring Boot

Spring Boot is an open source, microservices based java web framework. the Spring Boot framework creates a fully production-ready environment that is completely configurable using its prebuilt code within its codebases.

## Web Framework

A web framework or web application framework is a software framework that is designed to support the development of web application including web services, web resources, and web APIs. web framework provides a standard way to build and deploy web application on the world wide web.

## DevOps

Devops is a set of practices that combines software development and IT operations. it aims to shorten the systems development life cycle and provide continuous delivery with high software quality.

## Eureka Server

Eureka Server is an application that holds the information about all client-service applications. Every Microservice will register into the Eureka server and Eureka Server knows all the client applications running on each port and IP address. Eureka Server is also known as Discovery server.

## Ports

Allow one device to connect with the other through a different and unique IP address. A device can have more than one port.

## Microservices

A microservices architecture - a variant of the SOA structure style - arranges an application as a collection of loosely-coupled services.

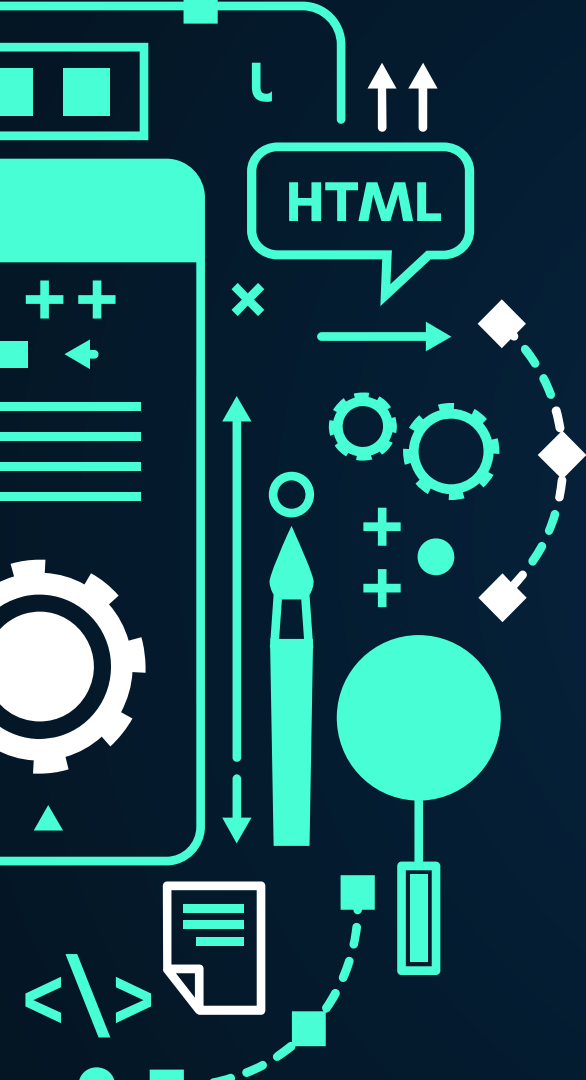


# Future Scope of e-commerce

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With advancing technologies and increasing competition, the e-commerce industry is constantly evolving. No matter what these changes are, the future of this robust and flourishing sector is bright and promising.

1. The increase popularity of online
2. Growing internet coverage
3. Better user experience
4. mobile friendliness
5. close connection with customer



# THANKS!

