A TEA ONLINE SHOPPING WEBSITE - TEAMEE

CREATED BY HOLLY DO

MSE PROJECT

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ABSTRACT

This project is an online tea and coffee store that provides users with information about the Teamee company, and allow the user to place orders on the website. Ecommerce is a blooming industry that encompasses various goods and services.[3] It is necessary in today's world for any company that sells products or services to have a website. The Teamee website is highly customizable and uniquely different from the typical Wordpress website.

This is a developmental project; thus, the core of the report would be within all my documentations of my project. There will be a total of three documents: the SRS, design, and test plan. The SRS document provide a detailed description of the Teamee system. The design document contains an outline of how the Teamee system will be implemented to satisfy all the requirements listed in the SRS. Finally, the test plan document will contain the methods that were used to ensure that the Teamee system is held to the highest quality. However, the primary document for my project would be the SRS (software requirement specification). It contains all the information necessary to describe what my project is about and a full description of the Teamee system.

The creation of the Teamee website will help increase its potential customer base. Anyone with internet access can view the website. Also, the Teamee online store provides users a convenient way to skip the line and procure goods from Teamee to satisfy their craving. The convenience is extended to employees since the online store will also be beneficial for Teamee's employees. The Teamee system will provide a way for admin to track and fulfill orders. Additionally, by providing information about the stores and products provided by Teamee, this will reduce questions that customers will have.

INTRODUCTION

- Ecommerce website

- Allows users to place orders and pickup in store

- User can learn about the company

- Items sold by the company

- Store's locations

BACKGROUND

Generally, when ecommerce sites are mentioned, people think of Amazon, eBay, or other big name retailors. All kinds of products are sold on these websites. Then the food industry began to enter the internet space. In recent years, an emergence of websites and apps appear that allows consumers to order food or drinks online and have them delivered or ready to be picked up. Consumers have been shifting away from placing food or drink orders using the phone; and instead, they are using the internet to place orders.

Motivation

My motivation for this project stems from the fact that I love tea. I hope to one day open a tea place for people to congregate and relax. I've always enjoyed gathering at a tea place with my friends; thus, it is my wish to own one in the future. This project had provided me with an opportunity to create a website and web app for my prospective store. Additionally, creating the Teamee web app had provided me with a project to show prospective employers. By building an ecommerce application, I had demonstrated a highly marketable skill as the ecommerce field is blooming. Furthermore, this project will help me demonstrate my ability to formulate a whole project from start to end.

OBJECTIVES

The objective is to create a functioning website and web app with an easy to use UI. The creation of the website and web app serves the following purpose:

Improve programming skills

      Improve upon existing programming languages

      Learn new languages such as SQL to implement the backend of the project.

Demonstrate to future employers the capability to complete a whole project

      Create an effective software process to develop the Teamee website and web app

      Provide evidence of software process

RESOURCES

3.1 Hardware

The hardware that was used to create this project is a Lenovo Thinkpad E570 with an Intel i7 core. The laptop is running with Microsoft Windows 10 Pro.

3.2 Software

4.2.1 Frameworks: Bootstrap v3.3.6, Materialize, Laravel

4.2.2 Microsoft Office 2016

4.2.3 Microsoft Visio   2013

4.2.4 GitHub

4.2.5 Adobe Photoshop 2017

SRS Document

- System Features
- Functional Requirements
- User Characteristics
- Use Cases
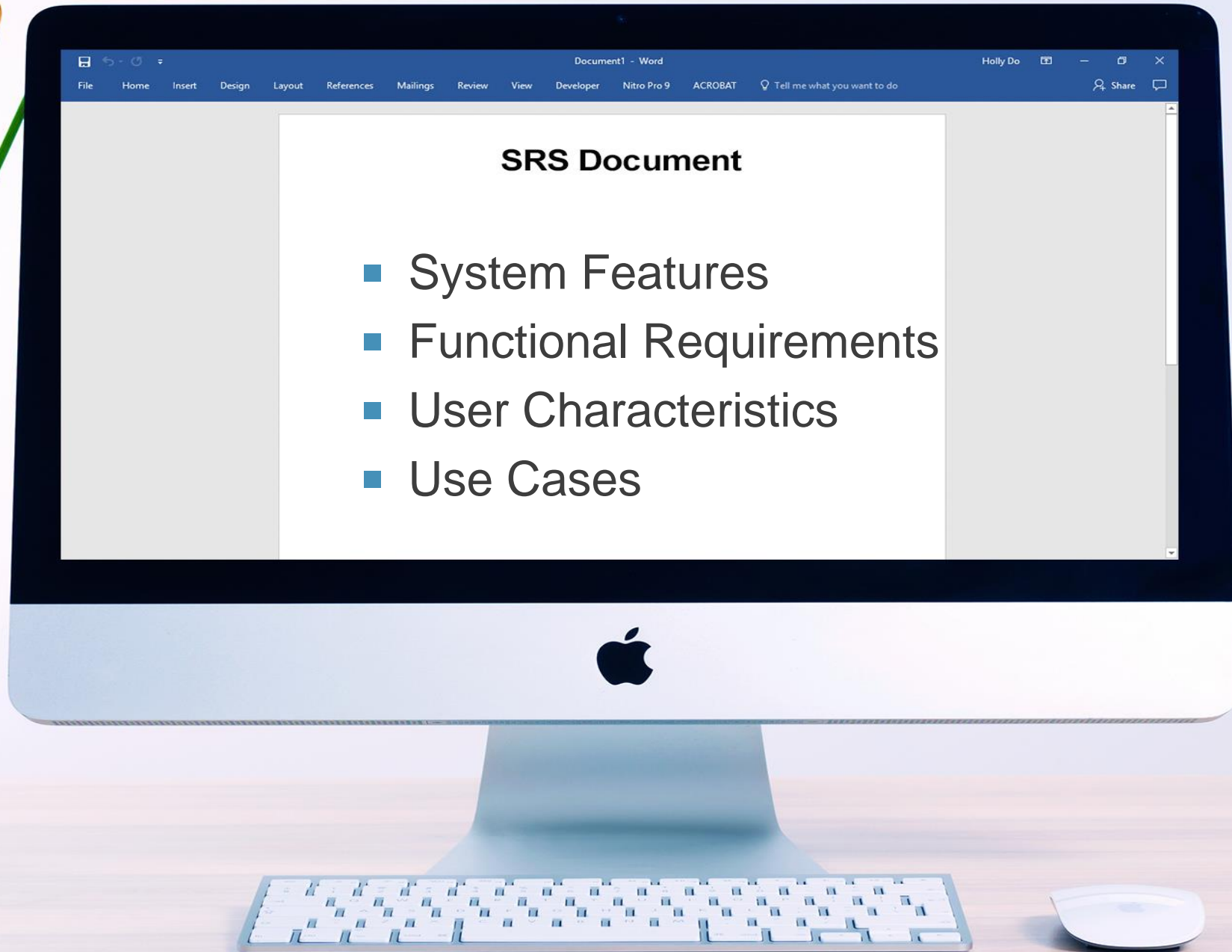
SYSTEM FEATURES

ABOUT US: Provides information about the company.

LOCATIONS: Provides the nearest store locations based on zip code

MENU: Provides a list of all the products that Teamee sells.

CONTACT US: Allows users to send an email message to Teamee.
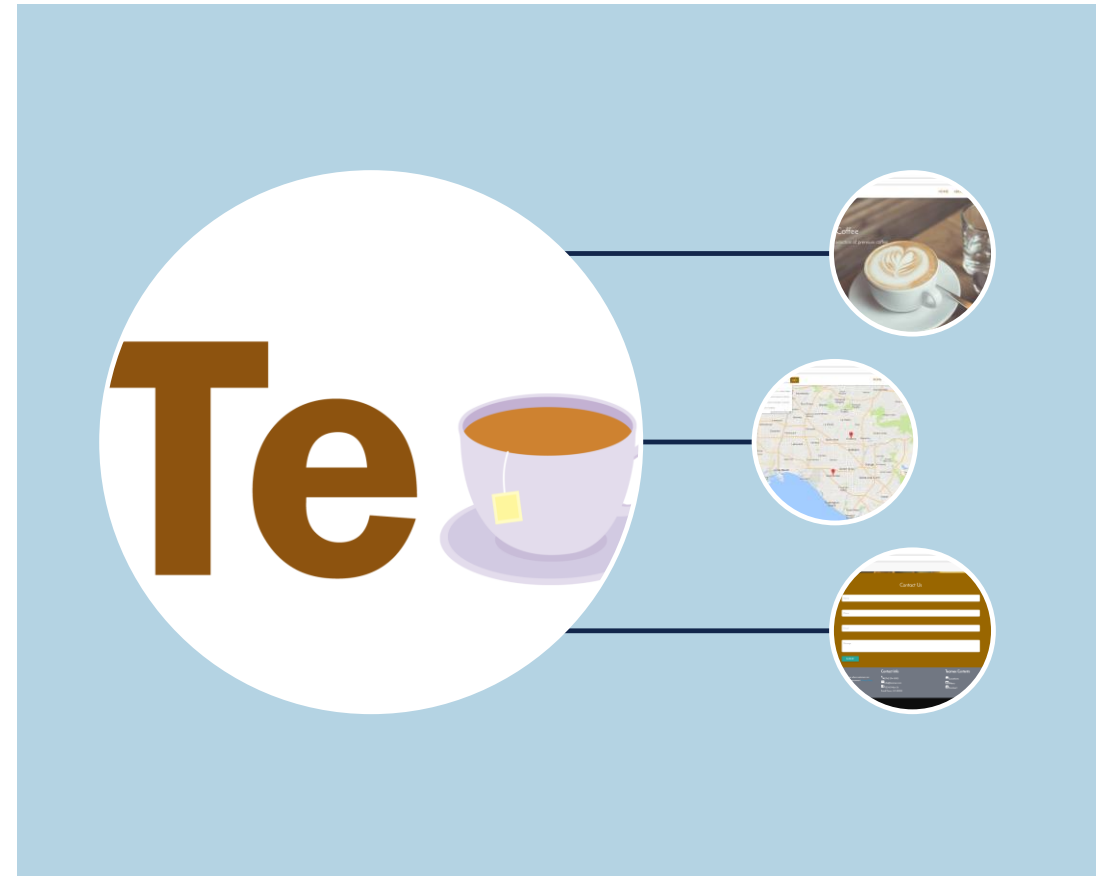
USER CHARACTERISTICS

Users are people who accessed the website. Users are permitted to access the entire website. A free account is provided to any user who wishes to make one.

Administrators are responsible to take care of the Teamee website and messages. Administrators must login to gain access to the administrator portal. The administrator will be able to view users' account information, but not the user's password. The administrator can view current, past, and future orders made by users.

USE CASES

Two Examples of Use Cases

ID and Name:	UC-1 Register for account
Primary Actor:	User
Description:	The user shall register for an account on Teamee by clicking of the Register link. The user must enter his/her email information, username, and password to register.
Trigger:	User accessed Teamee's website and clicked on the Register link to register for an account.
Preconditions:	PRE-1 User must have a valid email address PRE-2 Username must be available PRE-3 Password must be at least 6 characters long
Postconditions:	POST-1 Teamee shall send a verification email to the user's email POST-2 The user shall click on the verification link in the email POST-3 The user's information shall be stored in the Teamee's database
Normal Flow:	1. Register for an Account 2. User click on the Register link on the Teamee web app 3. User enter a valid email address 4. User enter a username that is available 5. User enter a password that is at least 6 characters long 6. User click submit button 7. System shall display a confirmation screen that tell the user to check his/her email for verification
Alternative Flow:	1.1 Sign-in to a Registered Account 1. User with an existing account shall sign into his/her account 2. User sign in using his/her email with the correct password
Exceptions:	E1 Invalid email address E2 User name is taken E3 Password is not long enough E4 Password does not match confirm password
Priority:	High
Frequency of Use:	Dozens of users a day.
Other Information	N/A
Assumptions:	AS-1 User have an email address AS-2 Peak usage when web app first become available

ID and Name:	UC-2 Add Item to Cart
Primary Actor:	User
Description:	The user can browser drinks and products sold by Teamee and select products to be added to his/her shopping cart.
Trigger:	User accessed Teamee's website and clicked on the Menu link located in the navigation bar. In the Menu page, the user can click on a product and click on the Add to Cart button.
Preconditions:	PRE-1 User must be in the Menu page PRE-2 User set quantity
Postconditions:	POST-1 Item is added to chart
Normal Flow:	1. Add Item to Cart 2. User click on a product in the Menu page 3. User select the quantity to be added 4. User click Add to Cart button 5. Item is added to cart 6. Number of items in cart is updated
Alternative Flow:	2.1 Item is Unavailable 1. An alert will display if the user attempts to add an item that is unavailable to cart 2. Item is not added into the cart
Exceptions:	N/A
Priority:	High
Frequency of Use:	Hundreds of instances per day
Other Information	N/A
Assumptions:	AS-1 User have internet connection to access the Menu page

Design Document

Data Flow Diagram
Swimline Diagram
Context Diagram
Entity Relationship Diagram
Trade Study

data - date
titolo - title

autore - author

premi letterari - awards

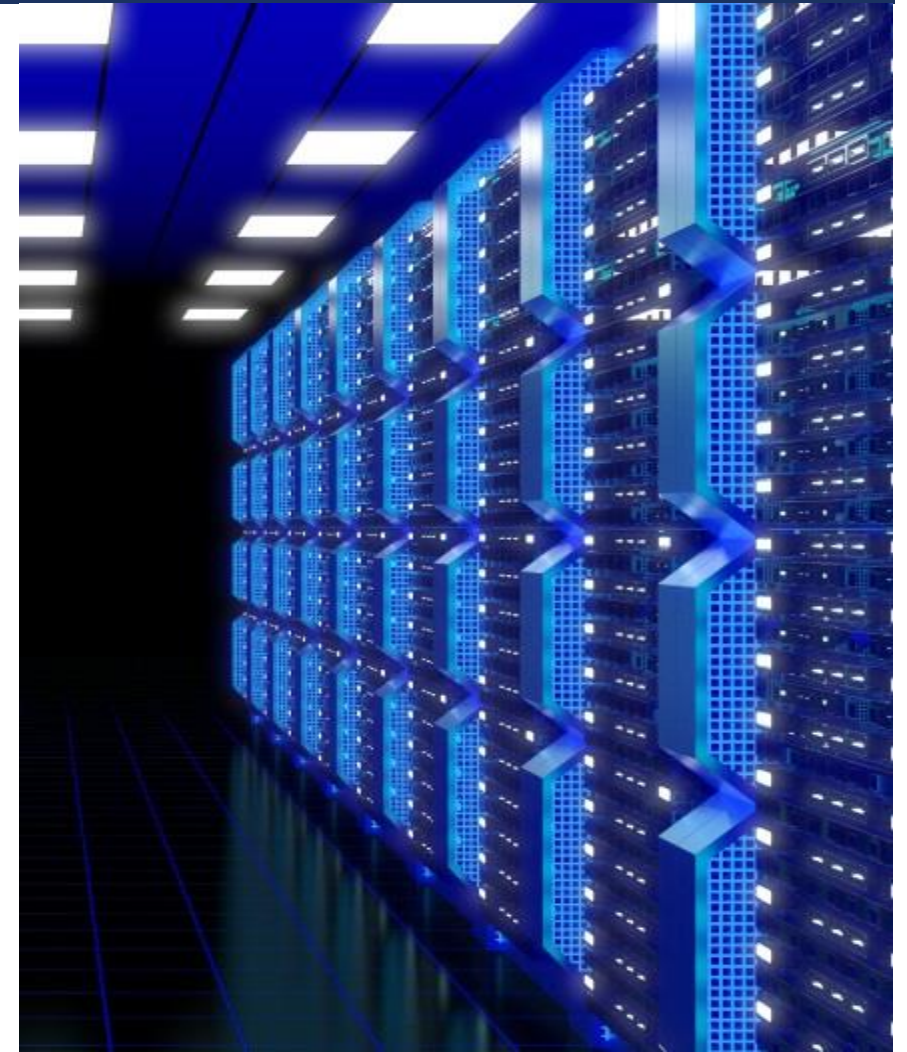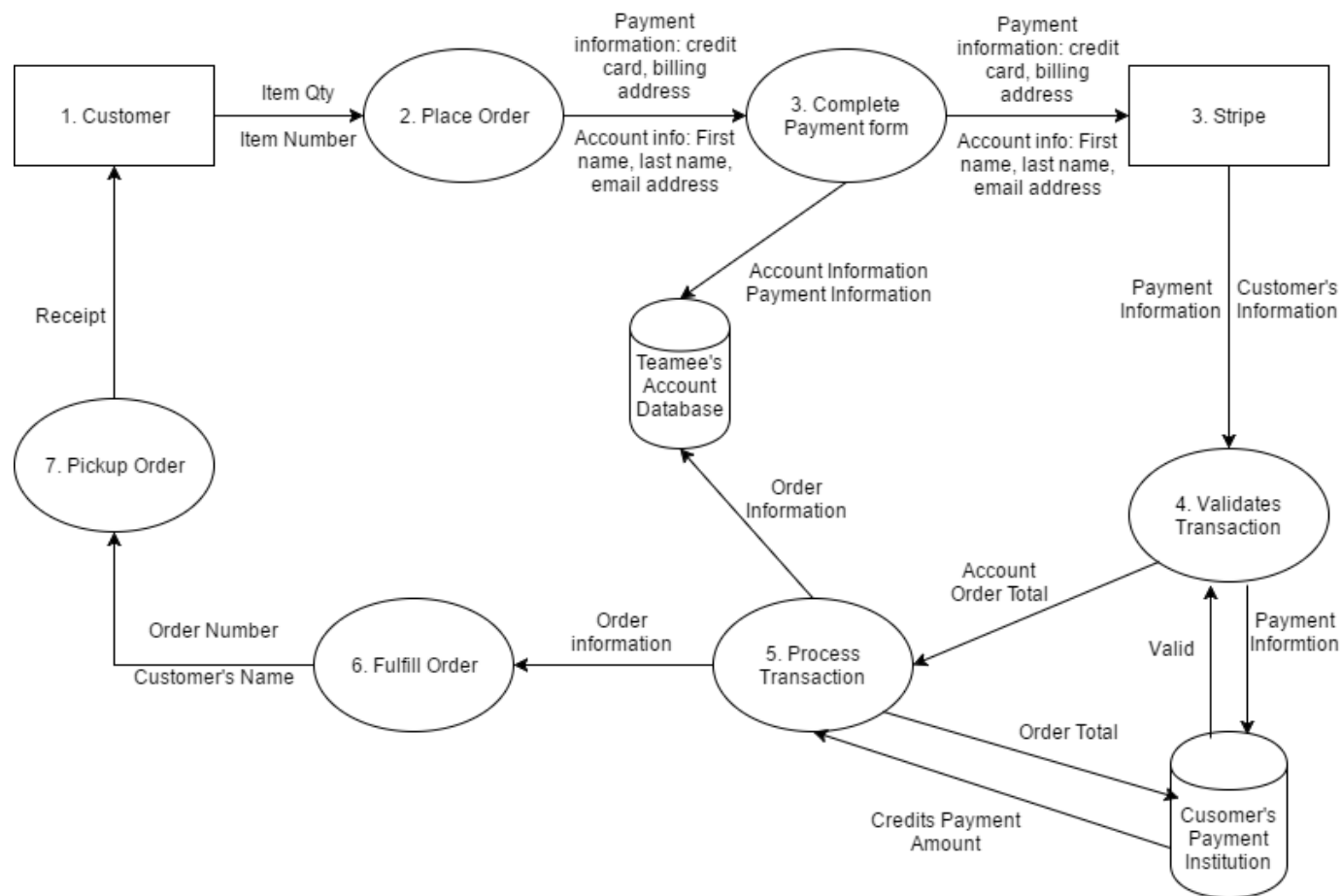editore - publisher

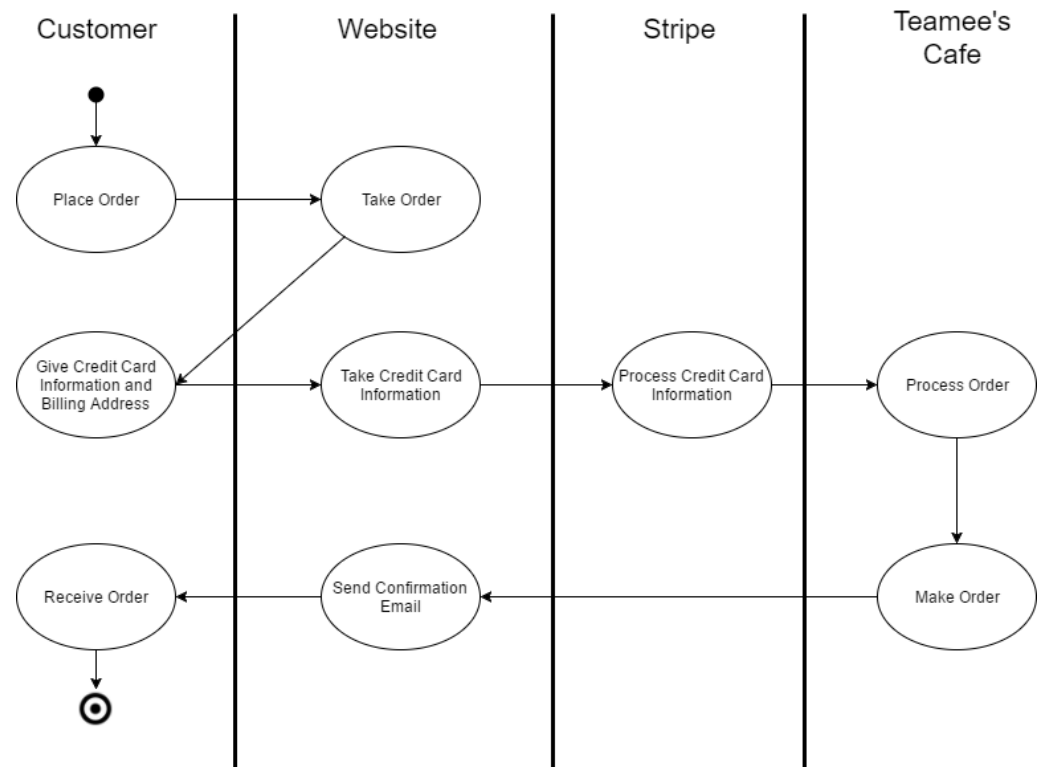libreria - bookstore

biblioteca - library
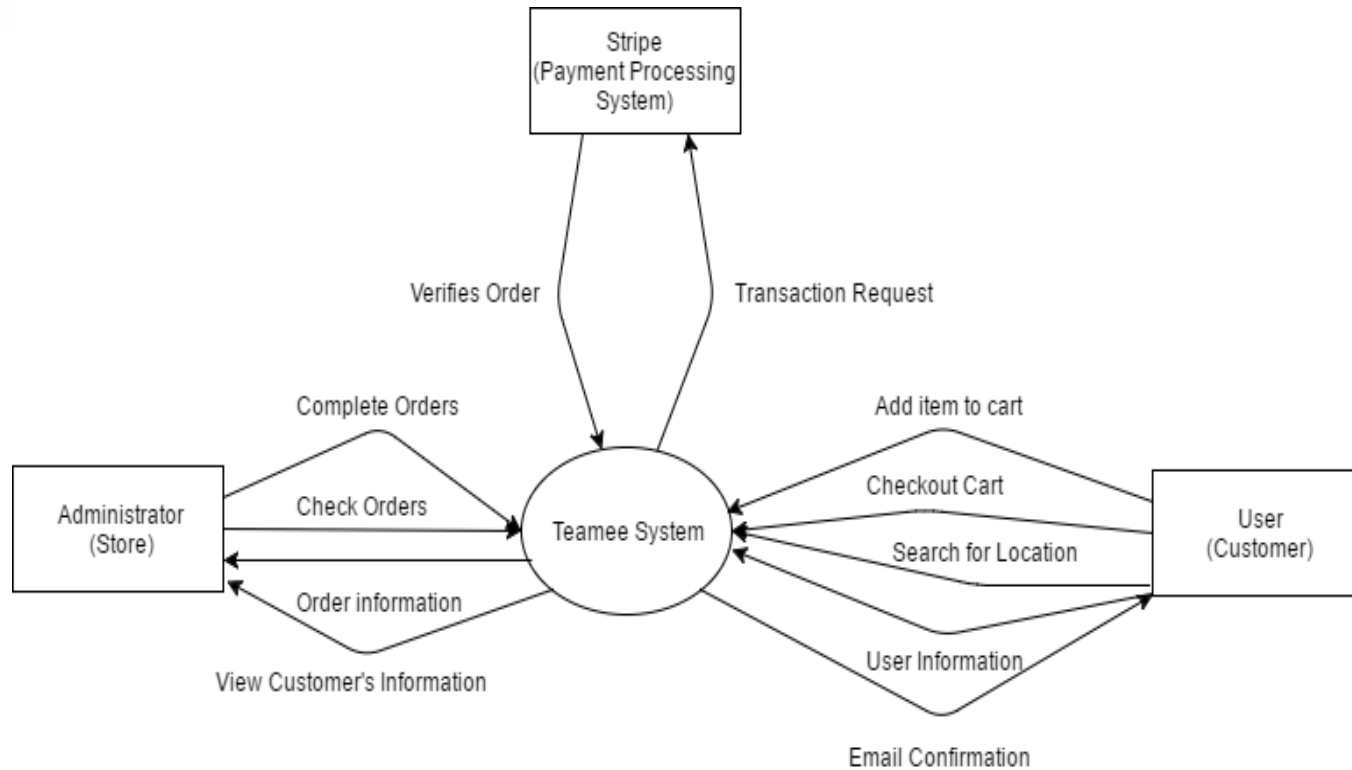
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DATA FLOW DIAGRAM (DFD)

SWIMLINE DIAGRAM

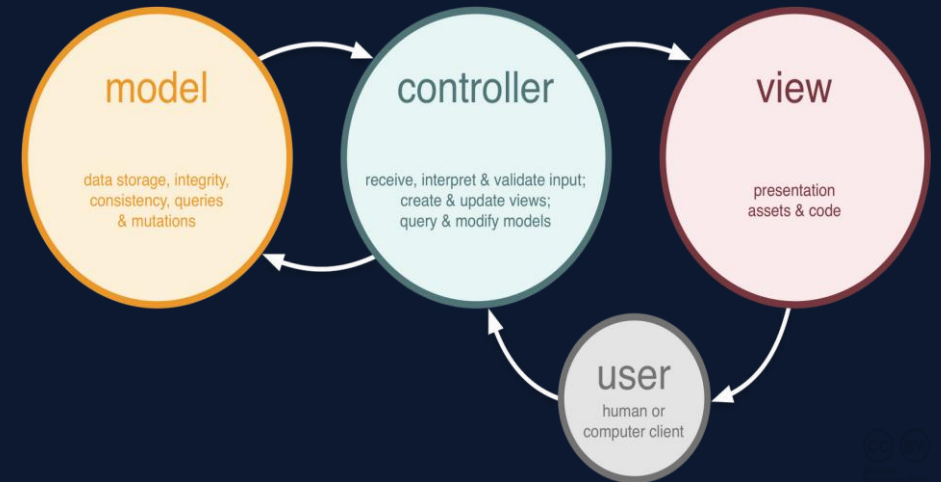# SYSTEM CONTEXT DIAGRAM

ENTITY RELATIONSHIP DIAGRAM (ERD)
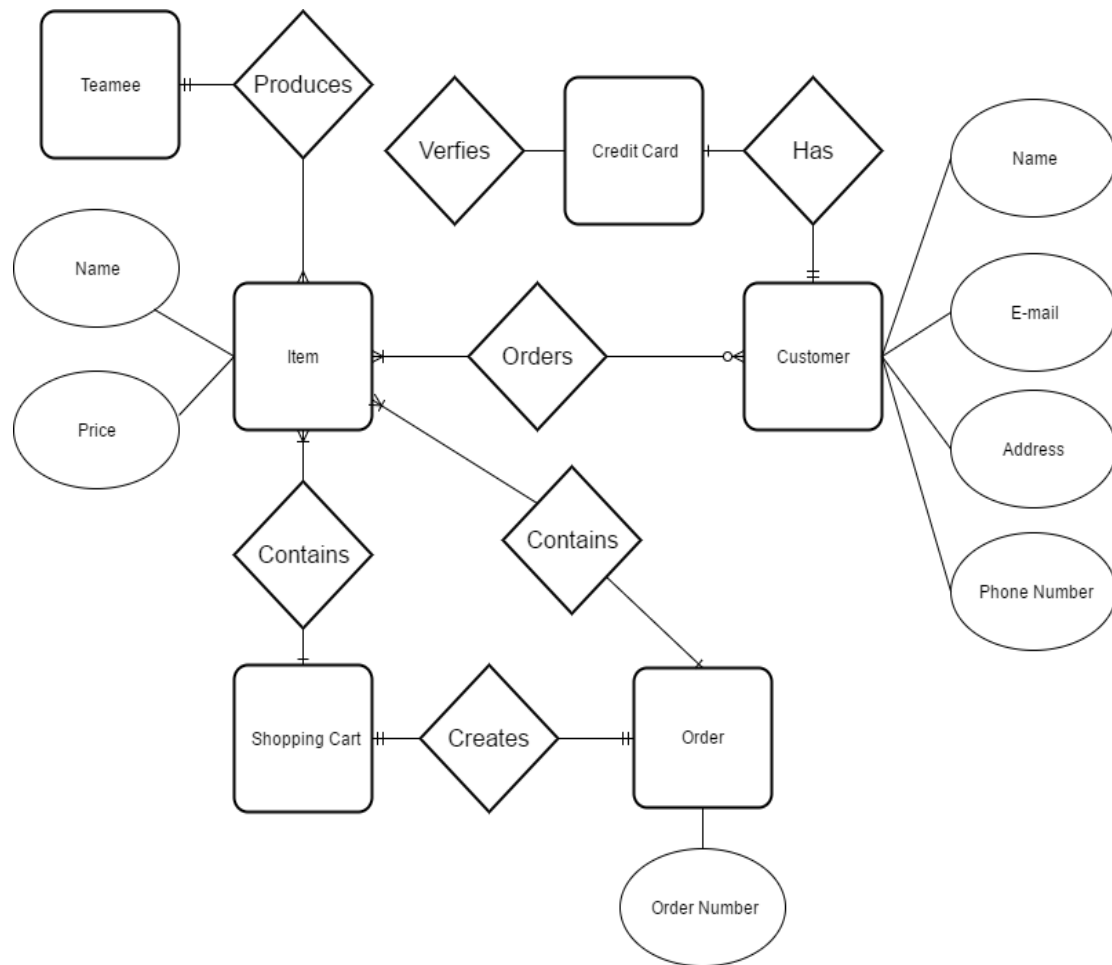
TRADE STUDY

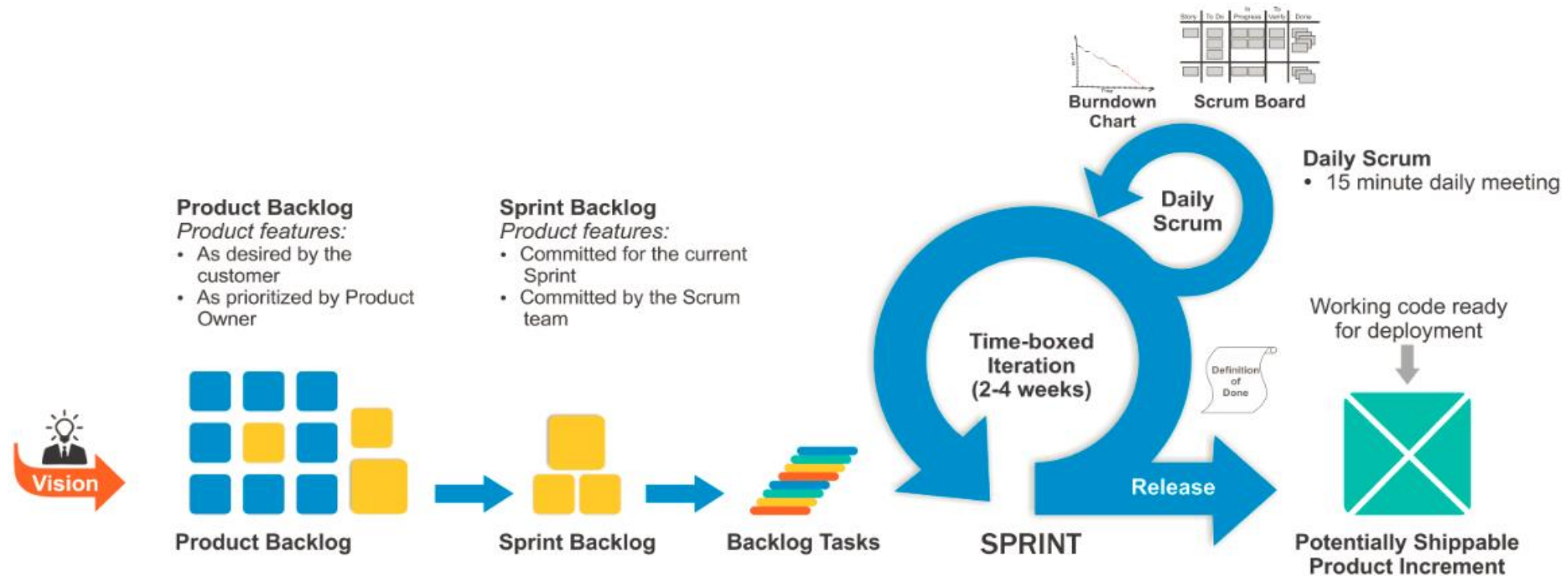| Quality Attribute	MySQL	MongoDB
Performance	7	7
Ease of Use	6	9
Compatibility	10	0
Supportability	8	5
Scalable	6	9
Reliability	8	5
Total	45	35

LARAVEL

- PHP web framework
- Model-view-controller (MVC)
- Created by Taylor Otwell
- Supports MySQL
- New feature Cashier

SCRUM

WORK PRODUCTS

There are four work products associated with Scrum. The four work products are:

Product Increment
Sprint Backlog
Product Backlog
Burndown Chart
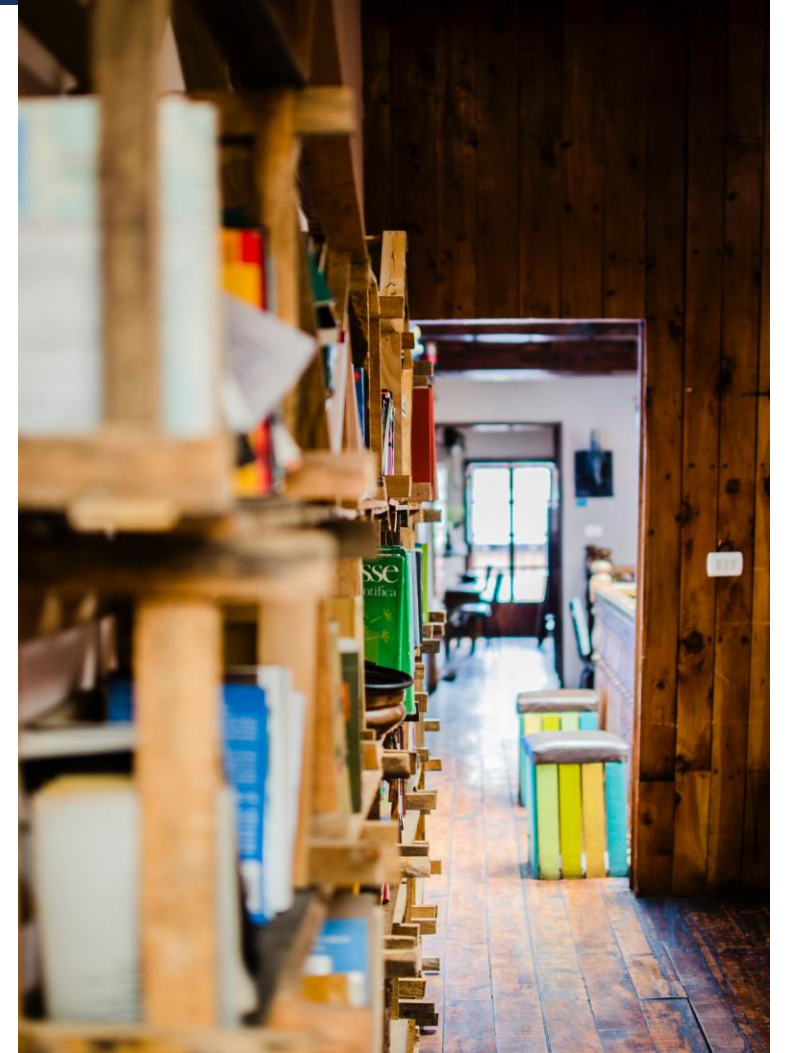
ASANA SPRINT BACKLOG

CHARTS AND GRAPH

| Name	Description	Story Points
View website	As the user, I want to be able to view the Teamee website on my internet browser	8
Register for an Account	As the user, I want to be able to register for an account on Teamee so that I can view my orders.	5
Add item to cart	As the user, I want to be able to add an item to cart so that I can checkout my orders after I am done shopping.	5
Checkout items	As the user, I want to be able to checkout my items in my shopping cart so that I can pay and pick up my order at the store.	21
Search for the closest location	As the user, I want to be able to search for the closest Teamee store so that I can know which store to select to pick up my order.	13
View all locations	As the user, I want to be able to view all of Teamee's locations so that I can plan a trip to any Teamee location.	8
Contact Teamee	As the user, I want to be able to contact Teamee so that I can ask a question or leave a comment.	3
Sign up for promotions and news	As the user, I want to be able to sign up for promotions and news from Teamee because I am a fan of Teamee and I want to get any savings from Teamee.	3
Obtain a receipt of the order	As the user, I want to receive a receipt of my order in case something goes wrong or for my spending records.	8
View Items sold by Teamee	As the user, I want to be able to view all items sold by Teamee so that I can order the items that I want.	5
Check all orders	As the admin, I want to be able to look up all the current pending orders so that I can fulfill them and satisfy my customers.	8
Complete an order	As the admin, I want to be able to complete an order so that it can go to the completed section and I can keep track of my orders properly.	3
View user's contact information	As the admin, I want to be able to view the user's contact information so that I can contact them if something is wrong.	5

| Iteration 1	Iteration 2	Iteration 3
Register for an account (5)	Add an item to cart (5)	Check all orders (8)
View all locations (8)	Checkout items (21)	Complete an order (3)
Search for closest location (13)	View Items Sold by Teamee (5)	View user's contact information (5)
Contact Teamee (3)		Signup for promotions and news (3)
View Website (8)		Obtain a receipt of the order (8)
37	31	27

Projected Burndown Chart
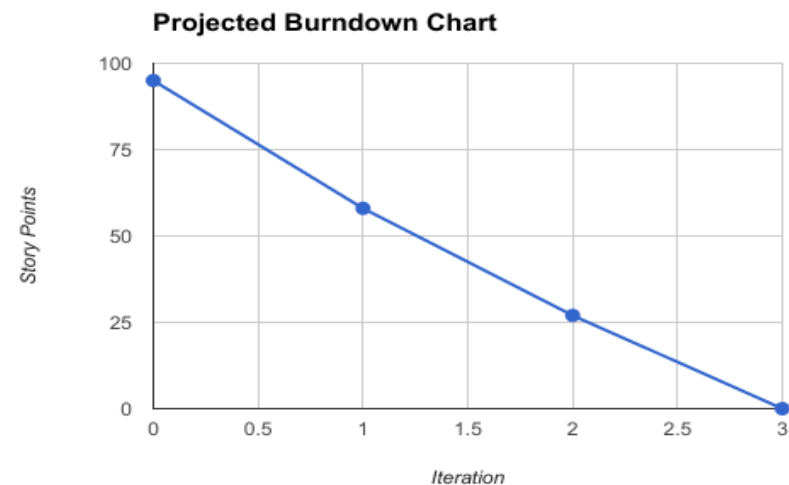
HOMEPAGE
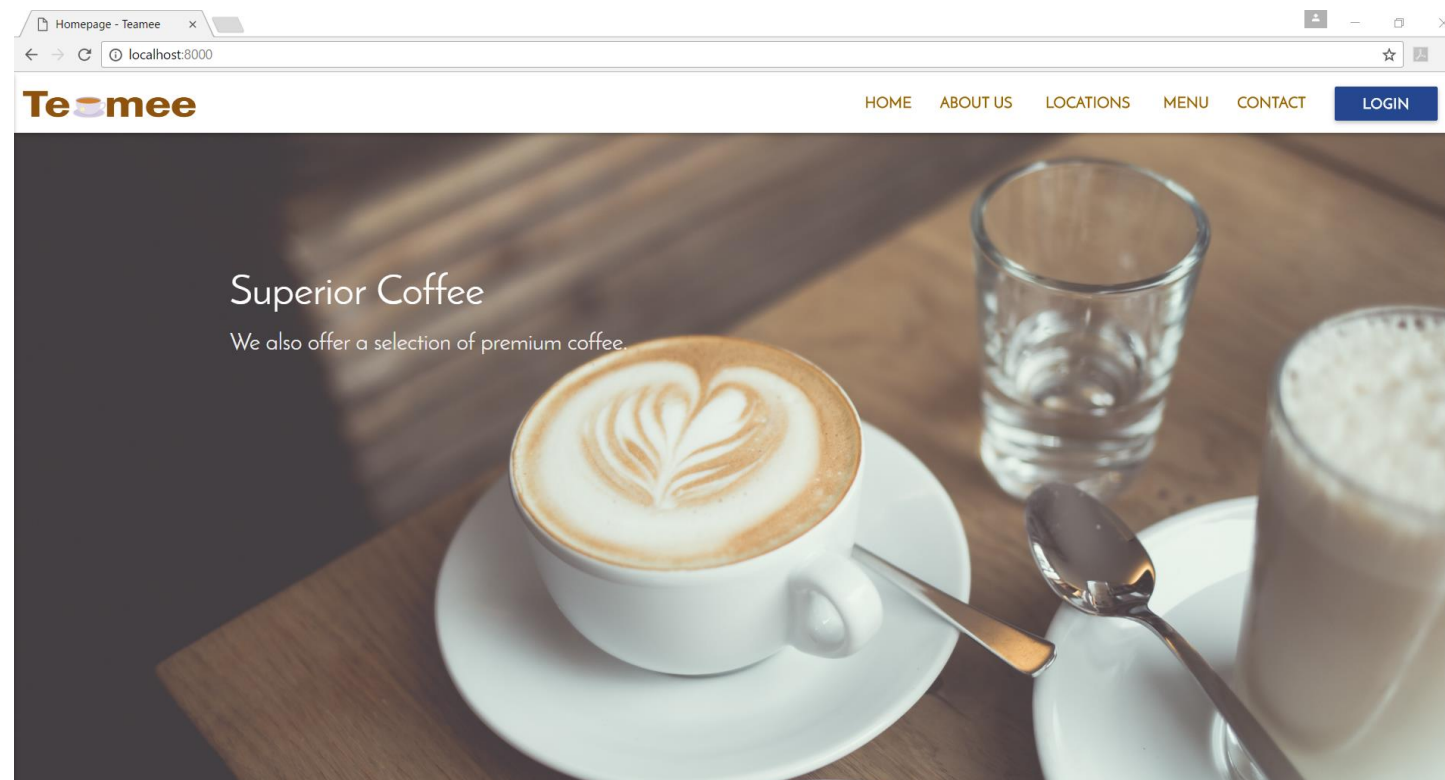
LOCATIONS
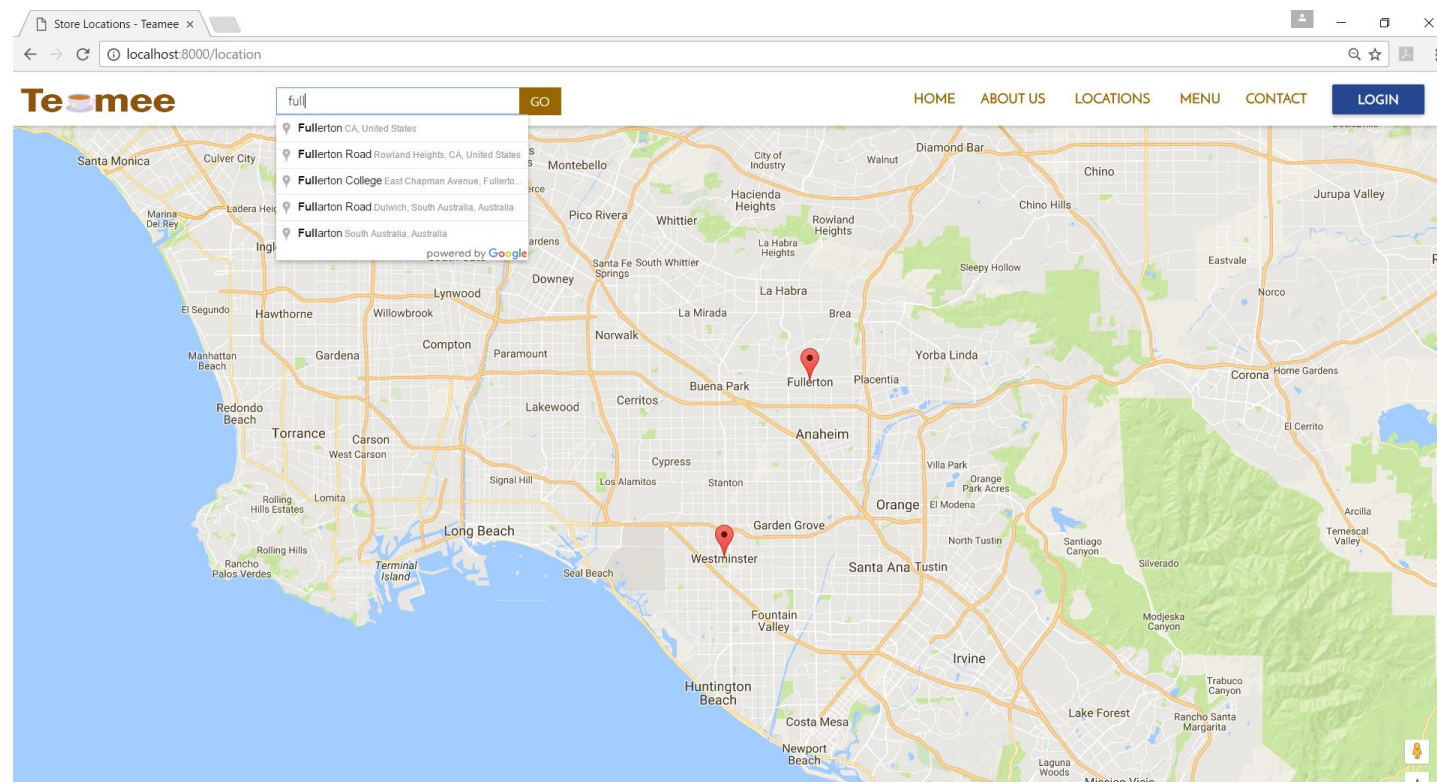
CONTACT
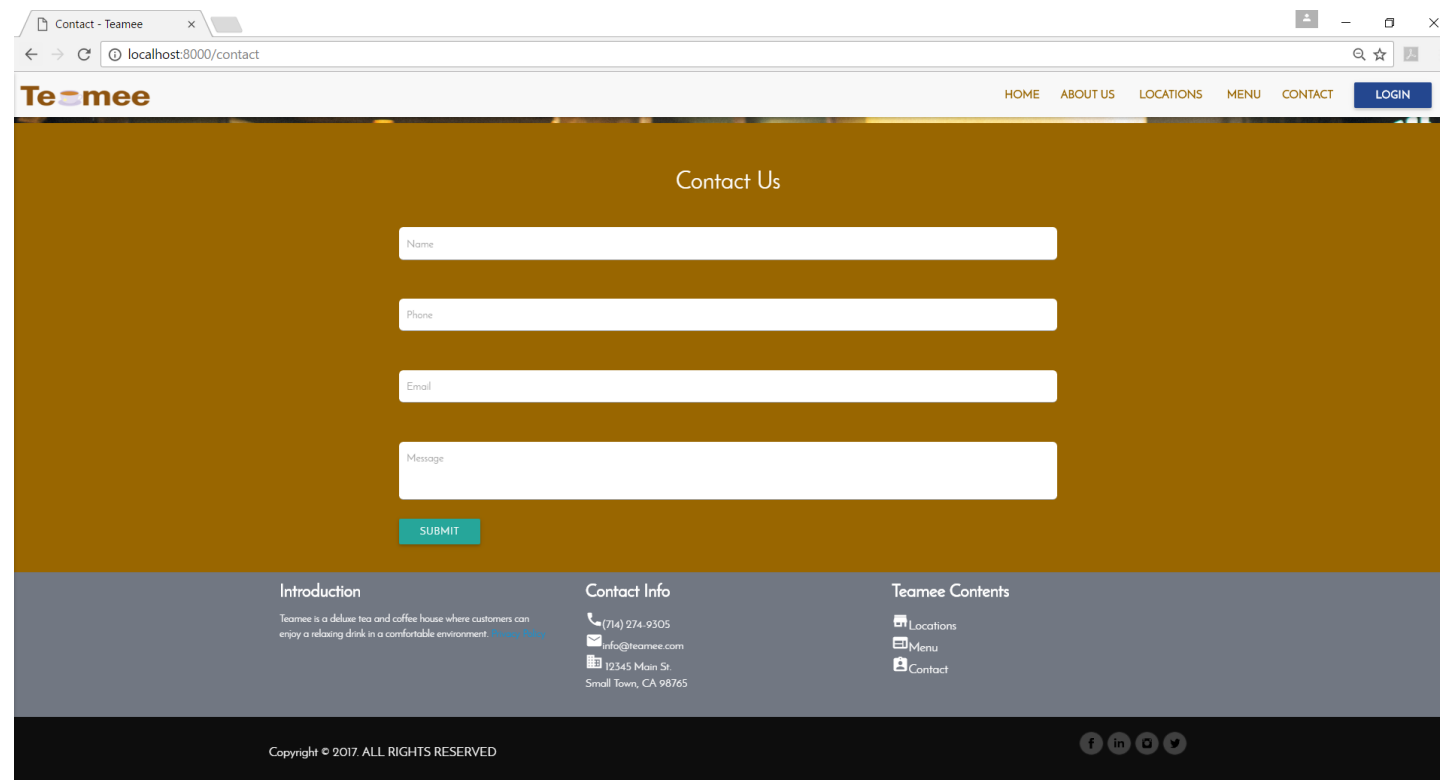
Items sold by Teamee

Milk Tea
Jasmine Tea
Green Tea
Thai Tea
Oolong Tea
Coffee Milk Tea
Taro Milk Tea
Lavender Milk Tea

Iced Coffee
Latte
Emacchiatos
Espressos
Americano
Coconut Coffee

Popcorn Chicken
French Fries
Garlic Fries
Cajun Fries
Fried Calamari

CONTACT PAGE CODE

CONCLUSION

The global and digital world makes it necessary for any business to have a website. Internet access is widely available now which makes it easier for businesses to promote their product online.[9] The convenience of online shopping has made ecommerce a blooming industry.[7] Ecommerce stores are beginning to rival brick and mortar stores as more users are discovering the ease of online shopping.[10] Fast shipping and enticement such as skipping the line, also encourages more users to order online.

An attractive and user friendly website could become a company's face in the global market.[6] A website can contain information about the company and its products to help promote its services. Having an exemplary website is like having an excellent salesman, who can convince customers to buy its products. Thus, it is essential to develop a website that would be appealing and informational.

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