



**FPT ACADEMY INTERNATIONAL  
FPT – APTECH COMPUTER EDUCATION**

**A1 UNIFORMS  
EPROJECT-SEMESTER 1**

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<b>Class</b>	T1.2005.E1	
<b>Group</b>	3	
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<b>Duration</b>	<b>Start date</b>	29 <sup>th</sup> July 2020
	<b>End date</b>	01 <sup>st</sup> August 2020

**THIS IS TO CERTIFY THAT**

**MR./MS.:**

TRAN VU LINH

VU HOANG THACH

NGUYEN NGOC THIEN NGAN

HA TAN PHAT

**HAS SUCCESSFULLY DESIGNED & DEVELOPED**

eProject: A1 UNIFORMS

**Submitted by:** TRAN VU LINH

**Date of issue:** July 29th 2020

**Authorized Signature**

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## ACKNOWLEDGEMENT

*First of all, we are thankful to Mr. Nguyen Ngo Phuoc for supporting us on the project and the cooperation of each team's member. The project couldn't be finished without their hard work. The project help us get more experience in team working and problem solving. It gives us a lot of confidence to face an interview as us have worked on a project.*

*Finally, we express our gratitude toward our families and colleagues for their kind cooperation and encouragement which help us in completion of this project.*

## SYNOPSIS

*A1 uniforms was founded in 2016 and since then they have been one of the leading **Uniform Manufacturers in the country**. they supply many schools in country and they give them the best uniforms. They supply affordable school uniforms for girls and boys. When clients come, they cater to client's vision. As a team of professionals they understand what clients want and deliver the best results.*

*At A-1 uniform designs are innovative and there are always fresh and new ideas for each and every client. The textiles are of excellent quality and they make each uniform according to the size requirements given. The fit is ingenious and they provide with the best. A-1 Uniform is a part of a continuous strategic process of creative inputs from experts in the field. They consider each client differently and ensure the satisfaction with the end results. Each client is given the uttermost importance.*

*The entire team works together to achieve the same goal.*

# REQUIREMENT SPECIFICATION

Looking at the demands and increasing power of web, the management of A-1 are looking for hosting a website of their products which will be easier to reach to them.

You are being approached for developing the site "A1uniforms.com"  
The Web site is to be created based on the following requirements.

- 1.** The home page must describe the keywords or highlight of the shop along with all navigation link defined.
- 2.** Products should be categorized as
  - a. Shirts
  - b. Skirts
  - c. Frocks
  - d. P.T. T-shirts
  - e. P.T. shorts
  - f. P.T. track pants
  - g. Belts
  - h. Ties
  - i. Logos
  - j. Socks
- 3.** The "Contact Us" page should have the Address of the Company and the mail address which when clicked will invoke the local mail client from where they can send an email. Address of the Company should be displayed using GeoLocation API (e.g. GoogleMaps).
- 4.** Contact Us page should also include the address and contact details of various outlets of A-1 uniforms in the city.
- 5.** About us page
- 6.** Feedback
- 7.** Navigation must be smooth.
- 8.** Color combination must be uniform throughout the project.

# HARDWARE/ SOFTWARE REQUIREMENTS

## For webmaster Hardware

- Intel Pentium 4 processor or higher
- 1 Gigabytes of RAM or higher

## Software

- Windows 7 OS or higher
- Sublime Text 3, Visual Studio Code
- Bootstrap 3, jQuery.
- HTML5 and Javascript supporting web browsers such as Edge, Chrome, Firefox, Opera...

## For web users Hardware

- Intel Pentium 4 processor or higher
- 512 Megabytes of RAM or higher

## Software

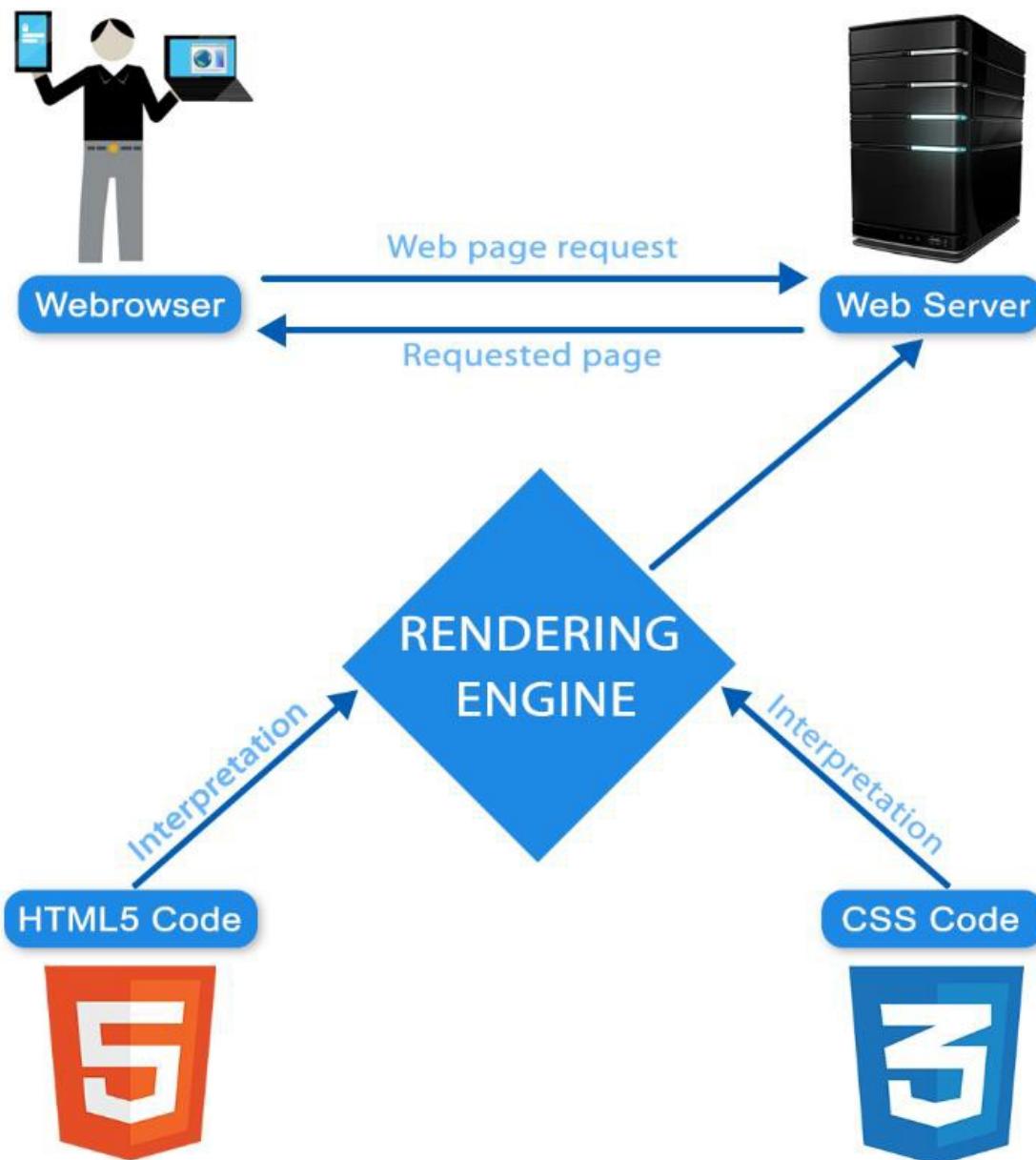
- Windows 7 OS or higher
- HTML5 and Javascript supporting web browsers such as Edge, Chrome, Firefox,  
Opera... (*Website best running on Edge browser*).

## SCOPE OF THE WORK (Summary)

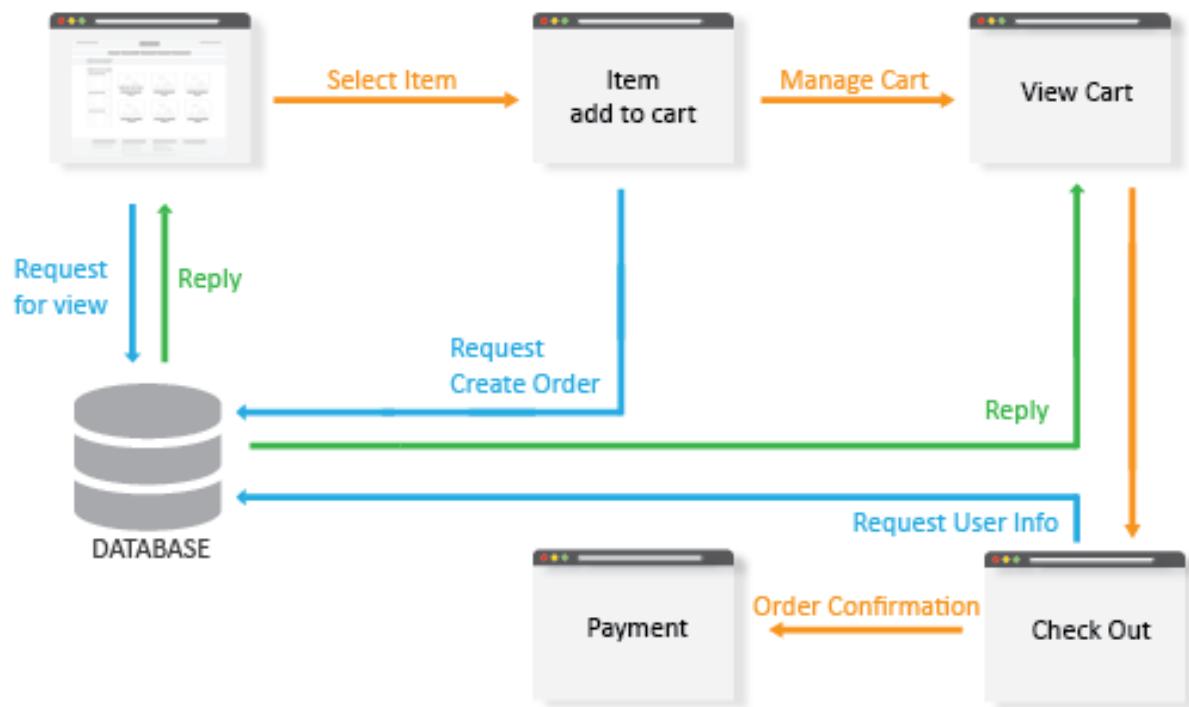
**After discussing, our group has decided to create a Website follow the below contents:**

- 1. Homepage:** Describe the keywords or highlight of the shop based on all navigation link defined. We have best seller, new arrival and trendy products toward to users. Moreover, we have a part for users subscribe to newsletter.
- 2. Products:** For the user's convenience, we display all of products on the navigation bar.
- 3. Contact Us:** Display an address, phone number, fax and an email to contact with us. Besides, we have a form which users can fill some information as an email or a message for us. The address was displayed by using GeoLocation API (e.g. Google Maps).
- 4. About:** Not only introducing about the main information, history and some factory's image, but also presenting 4 members and a short video recording a process of project.
- 5. Feedback:** Get the feedback from users.

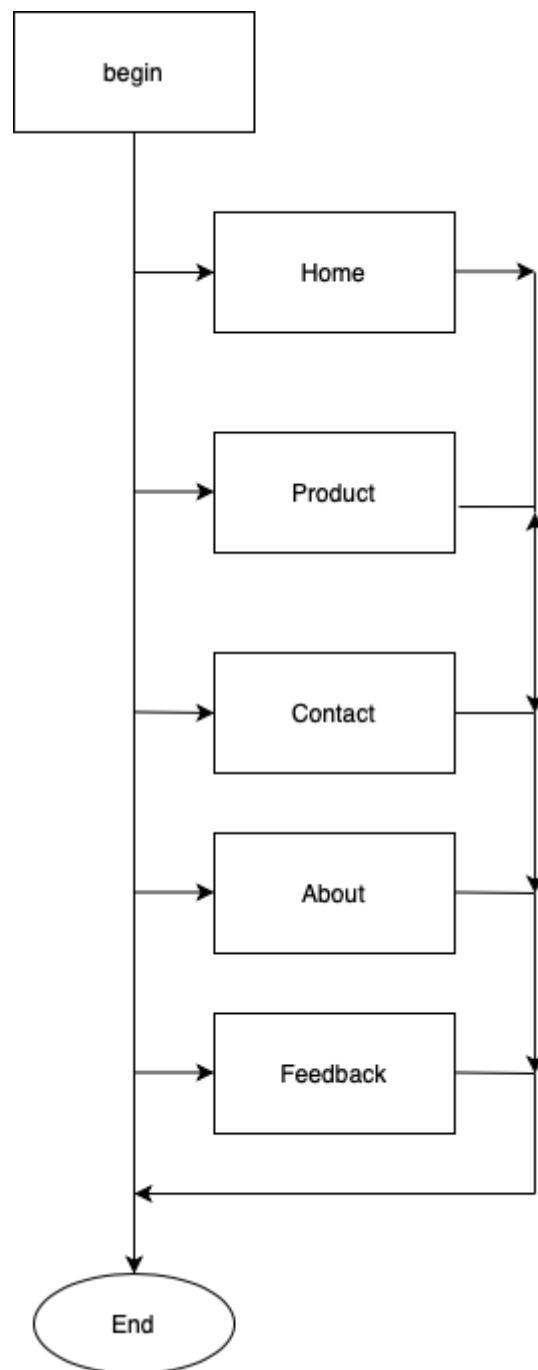
# ARCHITECTURE AND DESIGN OF THE SYSTEM



## E-COMMERCE CONTEXT LEVEL DIAGRAM



## DIAGRAM OF THE WEBSITE



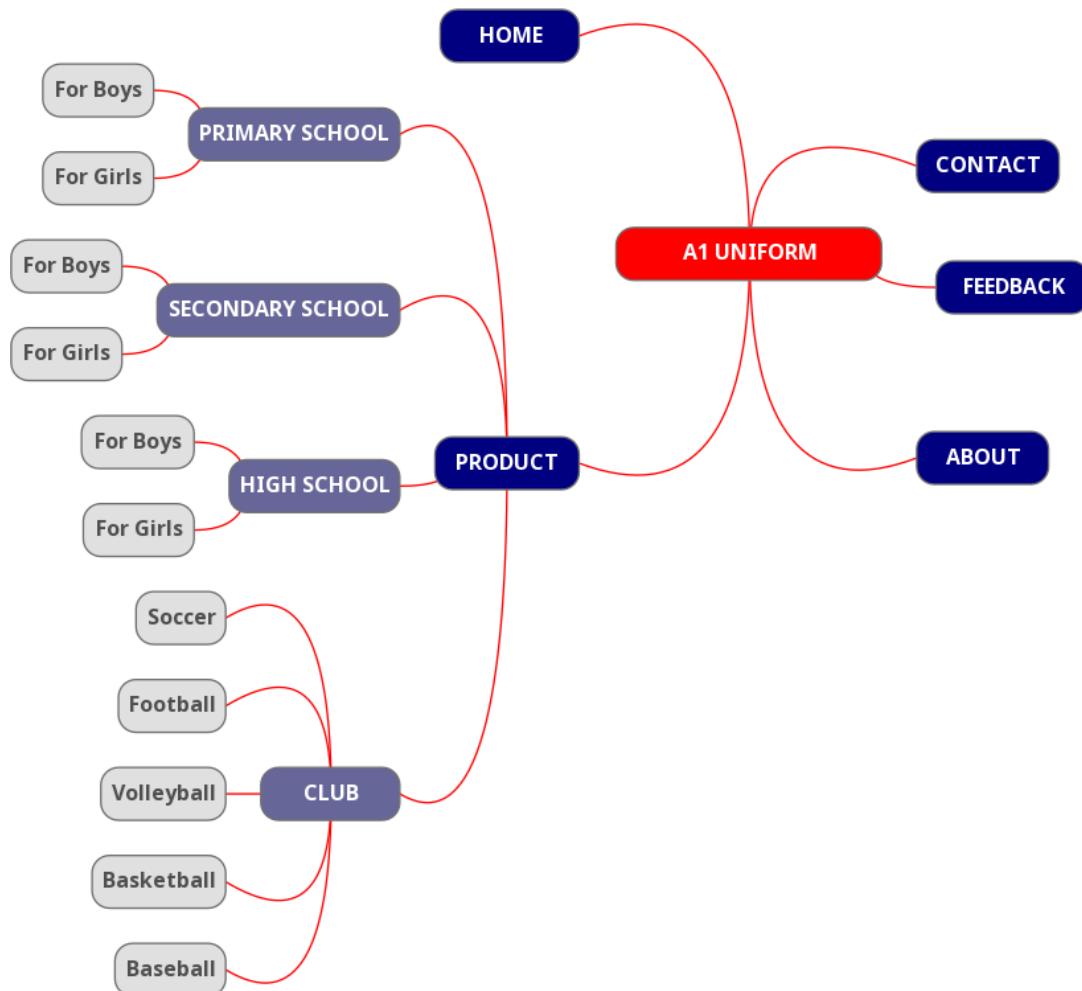
# TASK SHEET REVIEW 1

Project Ref. No.:		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
Sr. No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status
1	Problem Statement	A1 Uniforms	Linh	30/7/2020	1	Linh	Completed
2	Analysis of A1Uniforms requirements about the website			30/7/2020	1	Ngan	Completed
3	The scope of the work (in brief)			31/7/2020	1	Phat	Completed
4	Architecture and design of the system			31/7/2020	1	Ngan	Completed
5	E-commerce Context Level Diagram			31/7/2020	1	Linh	Completed
6	Diagram of the website			31/7/2020	1	Thach	Completed
7	Task Sheet			31/7/2020	1	Phat	Completed

**Date:**

Signature of Instructor:	Signature of Team Leader:
Mr. Nguyen Ngo Phuoc	Tran Vu Linh

# SITE MAP

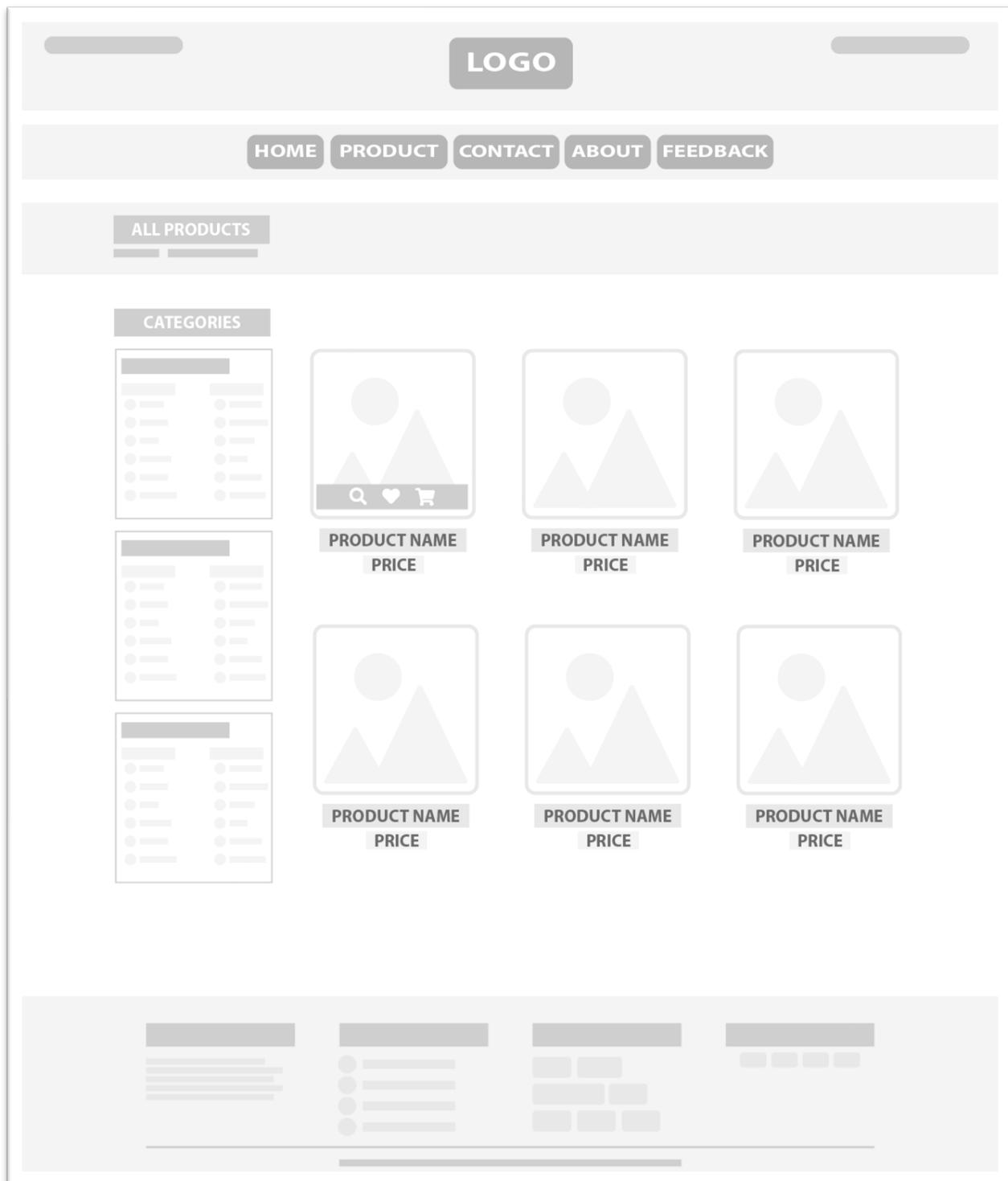


# GENARAL SIMULATION OF THE WEBSITE

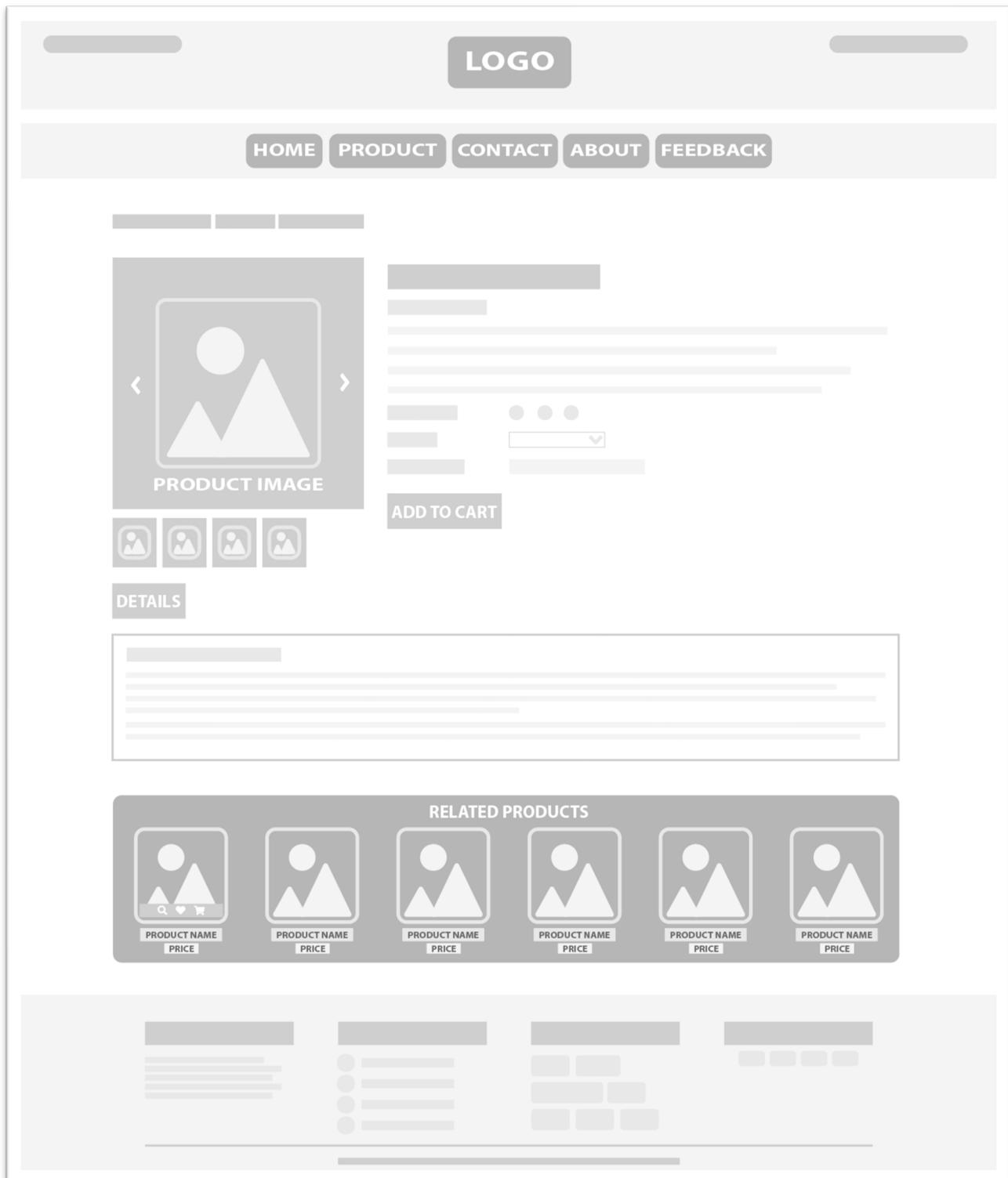
## 1. Home Page



## 2. Product



### 3. product detail



## 4. View Cart

The wireframe illustrates a user interface for a shopping cart. At the top, there is a header bar with a central logo placeholder labeled "LOGO". Below the header is a navigation bar containing five buttons: "HOME", "PRODUCT", "CONTACT", "ABOUT", and "FEEDBACK". The main content area is titled "YOUR SHOPPING CART". Inside this section, there are three identical product item templates, each consisting of a small thumbnail image (showing a blue and white geometric pattern) followed by a "PRODUCT NAME" label and a horizontal slider control.

Product Item	Product Name	Slider Control
1	PRODUCT NAME	Horizontal slider with 5 tick marks and a midpoint indicator.
2	PRODUCT NAME	Horizontal slider with 5 tick marks and a midpoint indicator.
3	PRODUCT NAME	Horizontal slider with 5 tick marks and a midpoint indicator.

Below the cart section, there is a "TOTAL:" label next to a large input field. To the right of this input field is a "CHECKOUT" button. At the bottom of the page, there is a footer area containing four small, partially visible icons or placeholder boxes.

## 5. Check Out

LOGO

HOME PRODUCT CONTACT ABOUT FEEDBACK

CHECKOUT

PLACE ORDER



The form consists of several sections. At the top is a header bar with a logo placeholder and navigation links for Home, Product, Contact, About, and Feedback. Below this is a checkout section with a 'CHECKOUT' button. The main body contains several input fields represented by gray rectangles. On the right side, there are two placeholder icons for product images, each featuring a blue-bordered frame and a stylized mountain peak with a sun. At the bottom is a large button labeled 'PLACE ORDER'.

## 6. Contact

LAYOUT

LOGO

HOME PRODUCT CONTACT ABOUT FEEDBACK

CONTACT US

MAPS

• • • •

f t G Y I

SUBMIT

18

## 7. About

The wireframe illustrates a mobile-optimized layout for an 'About' page. At the top, there is a header section with a central 'LOGO' placeholder. Below the logo is a navigation bar containing five items: 'HOME', 'PRODUCT', 'CONTACT', 'ABOUT', and 'FEEDBACK'. The 'ABOUT' item is highlighted with a darker background. Underneath the navigation bar is a secondary header labeled 'ABOUT US'. The main content area features a large, dark gray rectangular placeholder with several horizontal lines of varying lengths, suggesting a large block of text or a detailed description. Below this is a horizontal row of three image placeholders, each showing a landscape scene with mountains and a sun, flanked by left and right navigation arrows. Further down is a section titled 'TEAM MEMBER' containing four circular placeholder icons, each representing a team member. The bottom of the page includes a footer area with four distinct horizontal sections, each containing a series of short, light-gray bars of varying heights.

## 8. Feedback

The wireframe illustrates a feedback form interface. At the top, there is a header section with a central logo placeholder. Below the header is a navigation bar containing five buttons: HOME, PRODUCT, CONTACT, ABOUT, and FEEDBACK. The main content area is titled "FEEDBACK". It features two sets of five horizontal input fields each, with a small downward arrow icon at the end of each row. Below these rows is a large, empty text input field. At the bottom right of the main content area is a "SUBMIT" button. The footer section contains four small, unlabeled rectangular boxes.

LOGO

HOME PRODUCT CONTACT ABOUT FEEDBACK

FEEDBACK

SUBMIT

## TASK SHEET REVIEW 2

Project Ref. No.:		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
Sr. No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status
1	Site Map	A1 Uniforms	Linh	11/8/2020	1	Ngan	Completed
2	General Simulation of Website			11/8/2020	1	Linh	Completed
3	Task Sheet			11/8/2020	1	Phat	Completed

**Date:**

Signature of Instructor:     Mr. Nguyen Ngo Phuoc	Signature of Team Leader:     Tran Vu Linh
--	---

# WEBSITE DESCRIPTION

## 1. Homepage

Introduction best seller, new arrival and trendy products suitable for users. Furthermore, we have a part for users subscribe to newsletter.

**On pc**

**On Smartphone**

## 2. Navigation Bar

Description of hover effects on navigation bar. When users hover (PC) or click (Smartphone) "PRODUCT" button, it will show all object.

**On pc**

A1 Uniform

HOME PRODUCT CONTACT ABOUT FEEDBACK

PRIMARY SCHOOL SECONDARY SCHOOL HIGH SCHOOL CLUB

For Boy > For Boy > For Boy > Football

- Shirts
- T-Shirts
- Shorts
- Track Pants
- Logos
- Socks

For Girl >

- Shirts
- T-Shirts
- Shorts
- Track Pants
- Logos
- Socks

SECONDARY SCHOOL

- Shirts
- T-Shirts
- Shorts
- Track Pants
- Belts
- Ties
- Logos

HIGH SCHOOL

- Shirts
- T-Shirts
- Shorts
- Track Pants
- Belts
- Ties
- Logos

CLUB

- Football
- Volleyball
- Basketball
- Baseball
- Soccer

**On Smartphone**

A1 Uniform

< X Home

Products ▲

- All Products
- Primary School ▾
- Secondary School ▾
- High School ▾
- Club ▾
- Football
- Volleyball
- Basketball
- Baseball
- Soccer

Contact

About

Feedback

### 3. All Products

When users click on “PRODUCT” button on navigation bar, all products will be shown. Besides, there is a **Categories bar** at the left side for users to find products easily.

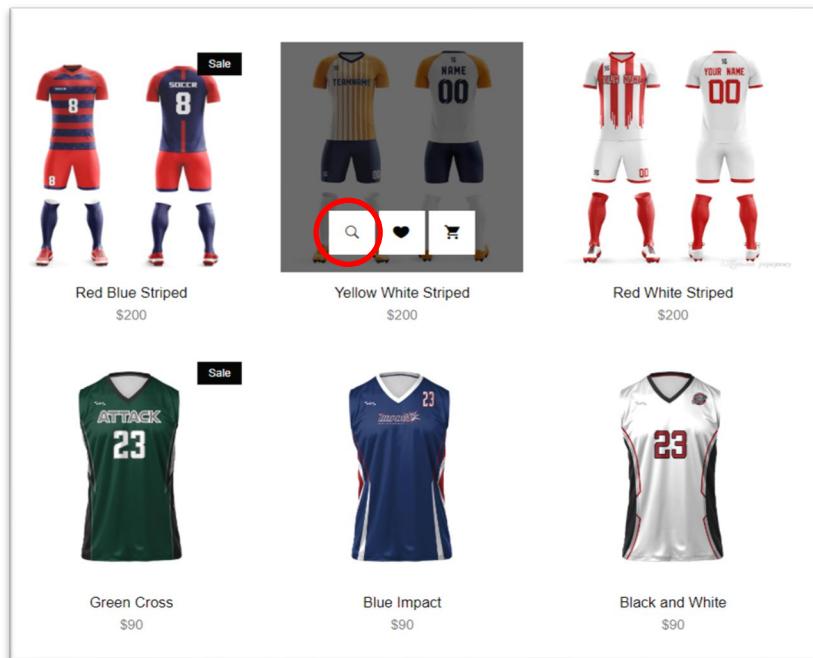
**On pc**

**On Smartphone**

## 4. Detail Products

When users click on any product, the information such as: name, price, material will be displayed. Users maybe buy it when click on the "Add To Cart" button.

**On pc**



**On Smartphone**

A1 Uniform

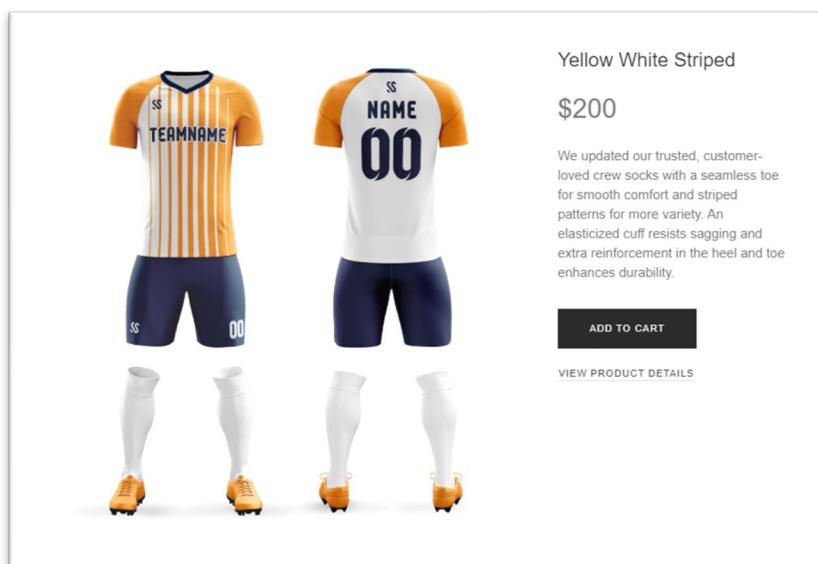
Yellow White Striped

\$200

We updated our trusted, customer-loved crew socks with a seamless toe for smooth comfort and striped patterns for more variety. An elasticized cuff resists sagging and extra reinforcement in the heel and toe enhances durability.

ADD TO CART

VIEW PRODUCT DETAILS



## 5. View Cart

Showing the user's shopping cart information (product, amount) and total price. Users can checkout when click "CHECKOUT" button.

On pc

**Yellow White Striped**

\$200 - 1 + \$200

Total : \$200

Clear All

**VIEW CART**    **CHECKOUT**

On Smartphone

0129-12323-123123

A1 Uniform

Mon - Sun 8:00am - 9:00pm

Your Shopping Cart

Home / View Cart

**Yellow White Striped**

\$200  
- 1  
\$200  
X

Total : \$200

CONTINUE SHOPPING    **CHECKOUT**

0129-12323-123123

A1 Uniform

Mon - Sun 8:00am - 9:00pm

HOME PRODUCT CONTACT ABOUT FEEDBACK

Your Shopping Cart

A1 Uniform

Your Shopping Cart

Total : \$200

CONTINUE SHOPPING    CHECKOUT

**A1 UNIFORM**

A1 Uniform Sales Co, Inc. is the source for quality uniforms and dependable, personalized customer service. Since 1985, we've been providing reliable apparel to businesses and organizations nationwide.

**My Account**

- Wish List
- Cart
- Profile
- Language

**Category**

T-Shirt	Socks	Track Pants	Shirt
Short	Logo	Skirt	Soccer
Volleyball	Baseball	Basketball	
Football			

**Payment Methods**

Visa	JCB	MasterCard	PayPal
------	-----	------------	--------

A1 Uniform © 2020 | Privacy Policy

**A1 UNIFORM**

A1 Uniform Sales Co, Inc. is the source for quality uniforms and dependable, personalized customer service. Since 1985, we've been providing reliable apparel to businesses and organizations nationwide.

**My Account**

- Wish List
- Cart
- Profile
- Language

**Category**

T-Shirt	Socks	Track Pants	Shirt
Short	Logo	Skirt	Soccer
Volleyball	Baseball	Basketball	
Football			

**Payment Methods**

Visa	JCB	MasterCard	PayPal
------	-----	------------	--------

A1 Uniform © 2020 | Privacy Policy

## 6. Checkout

Displaying the Bill Details and Payment Method.

On pc

A1 Uniform

Checkout

BILLING DETAILS

ORDER SUMMARY

Total \$200

Norton Verified by VISA MasterCard SecureCode

PLACE ORDER

A1 UNIFORM

My Account Category Payment Methods

Wish List Cart Profile Language

T-Shirt Socks Track Pants Shirt  
Short Logo Skirt Soccer  
Volleyball Baseball Basketball  
Football

On Smartphone

0129-12323-123123

A1 Uniform

Mon - Sun 8:00am - 9:00pm

Checkout

BILLING DETAILS

PAYMENT METHOD

Credit Card Details (Secure payment)

CARD NUMBER \* EXPIRY (MM/YY) MM / YY CVC

PLACE ORDER

ORDER SUMMARY

Total \$200

Norton Verified by VISA MasterCard SecureCode

A1 UNIFORM

My Account Category Payment Methods

Wish List Cart Profile Language

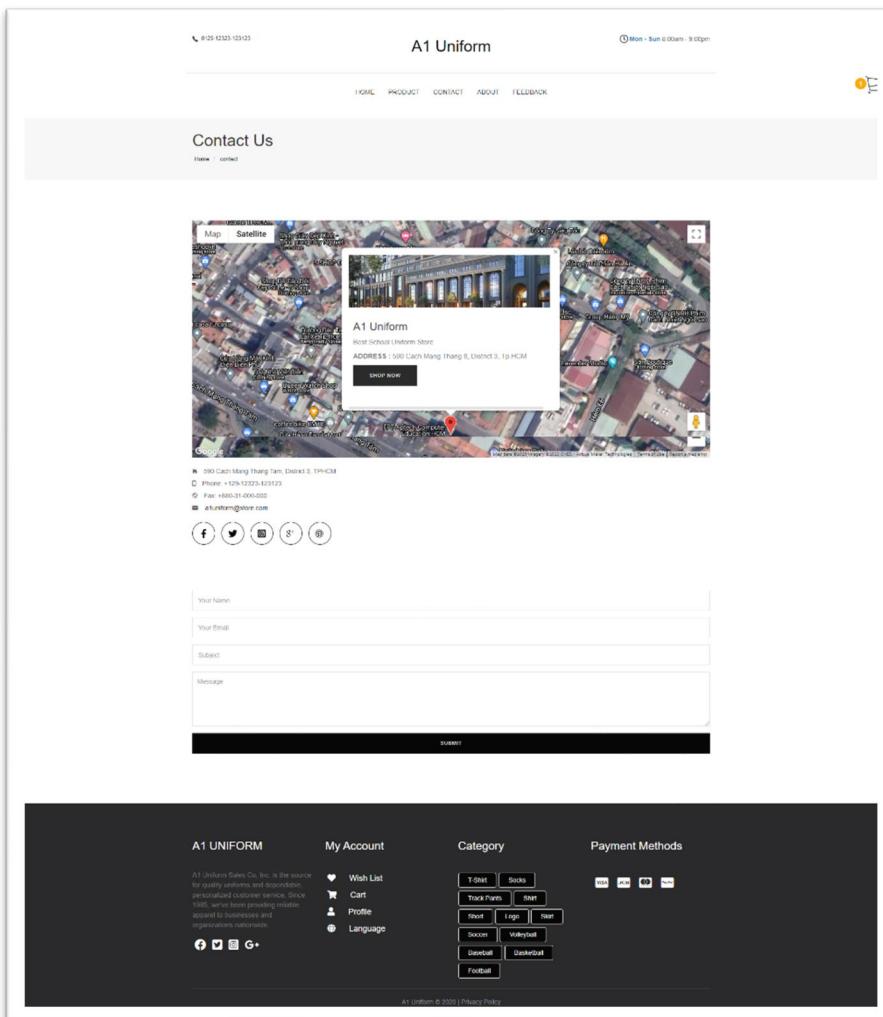
T-Shirt Socks Track Pants Shirt  
Short Logo Skirt Soccer  
Volleyball Baseball Basketball  
Football

A1 Uniform © 2020 | Privacy Policy

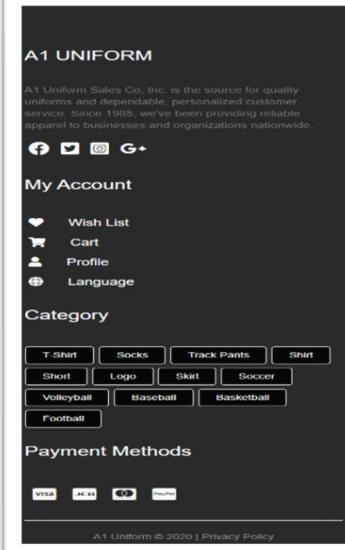
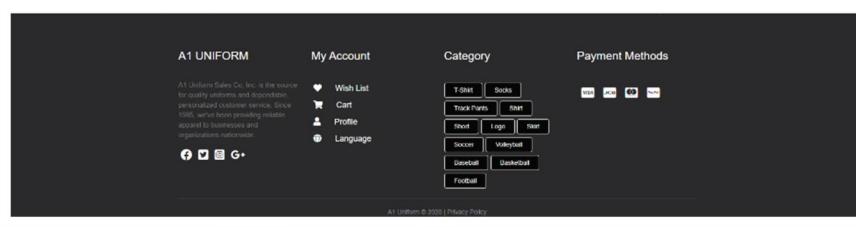
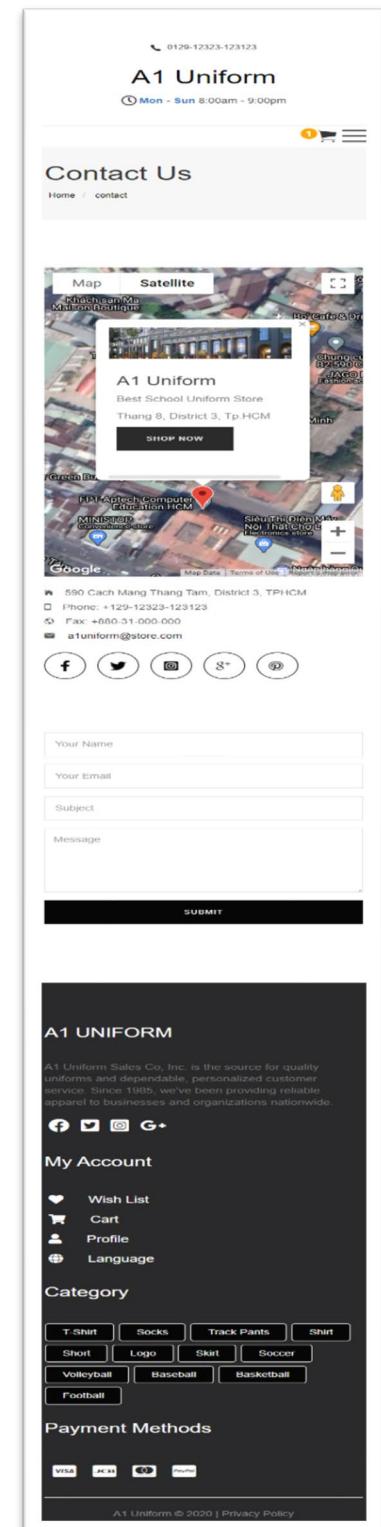
## 7. Contact Us

Display an address, phone number, fax and an email to contact with us. In addition, we have a form which users can fill some information as an email or a message for us. The address was displayed by using GeoLocation API (e.g. Google Maps).

**On pc**



**On Smartphone**



## 8. About

Introduce the main information, history, some factory's image, 4 members and a short video record a process of project.

**On pc**

A1 Uniform

About Us

About Our Shop

Our A-1 uniforms brand was founded in 2016 and since then we have been one of the leading Uniform Manufacturers in Vietnam. We supply many schools and give the client the best uniforms. We supply affordable school uniforms for girls and boys. When clients come, we cater to client's vision. As a team of professionals we understand what clients want and deliver the best results.

A1-A uniform, designs are innovative and there are always fresh and new ideas for each and every client. The textiles are of excellent quality and we make each uniform according to the size requirements given. The fit is ingenious and we provide with the best materials. A-1 uniform is a part of a continuous strategic process of creative inputs from experts in the field. We consider each client differently and ensure the satisfaction with the end results. Each client is given the utmost importance.

The entire team works together to achieve the same goal.

A1 Uniform Office

TEAM MEMBERS

- Trần Vũ Linh (Team Leader)
- Vũ Hoàng Thạch (Team Member)
- Nguyễn Ngọc Thiên Ngân (Team Member)
- Hà Tân Phát (Team Member)

Video presentation

**On Smartphone**

A1 Uniform

About Us

About Our Shop

Our A-1 uniforms brand was founded in 2016 and since then we have been one of the leading Uniform Manufacturers in Vietnam. We supply many schools and give the client the best uniforms. We supply affordable school uniforms for girls and boys. When clients come, we cater to client's vision. As a team of professionals we understand what clients want and deliver the best results.

A1-A uniform, designs are innovative and there are always fresh and new ideas for each and every client. The textiles are of excellent quality and we make each uniform according to the size requirements given. The fit is ingenious and we provide with the best materials. A-1 uniform is a part of a continuous strategic process of creative inputs from experts in the field. We consider each client differently and ensure the satisfaction with the end results. Each client is given the utmost importance.

The entire team works together to achieve the same goal.

A1 Uniform Factory

TEAM MEMBERS

- Trần Vũ Linh (Team Leader)
- Vũ Hoàng Thạch (Team Member)
- Nguyễn Ngọc Thiên Ngân (Team Member)
- Hà Tân Phát (Team Member)

Video presentation

## 9. Feedback

Get the feedback from users.

On pc

The screenshot shows the 'Feedback' section of the A1 Uniform website. At the top, there's a header with the phone number 0129-12323-123123, the title 'A1 Uniform', and a search bar. Below the header is a navigation menu with links to HOME, PRODUCT, CONTACT, ABOUT, and FEEDBACK. The main content area is titled 'Feedback' and includes a breadcrumb trail: Home > Feedback. It features a rating scale from 1 to 5, where 4 is selected. There are dropdown menus for 'Choose a comment topic...' and 'Enter your comments here'. Below these are several questions with dropdown answers: 'What is your primary reason for visiting A1Uniform.com today?', 'Were you able to complete your task?', and 'What are other retailers doing that you wish we did?'. There's also a question about recommending the website to friends, with a scale from 0 to 10, where 4 is selected. An optional email address field is provided. At the bottom, there's a 'SUBMIT' button and links to Privacy Policy and About this system.

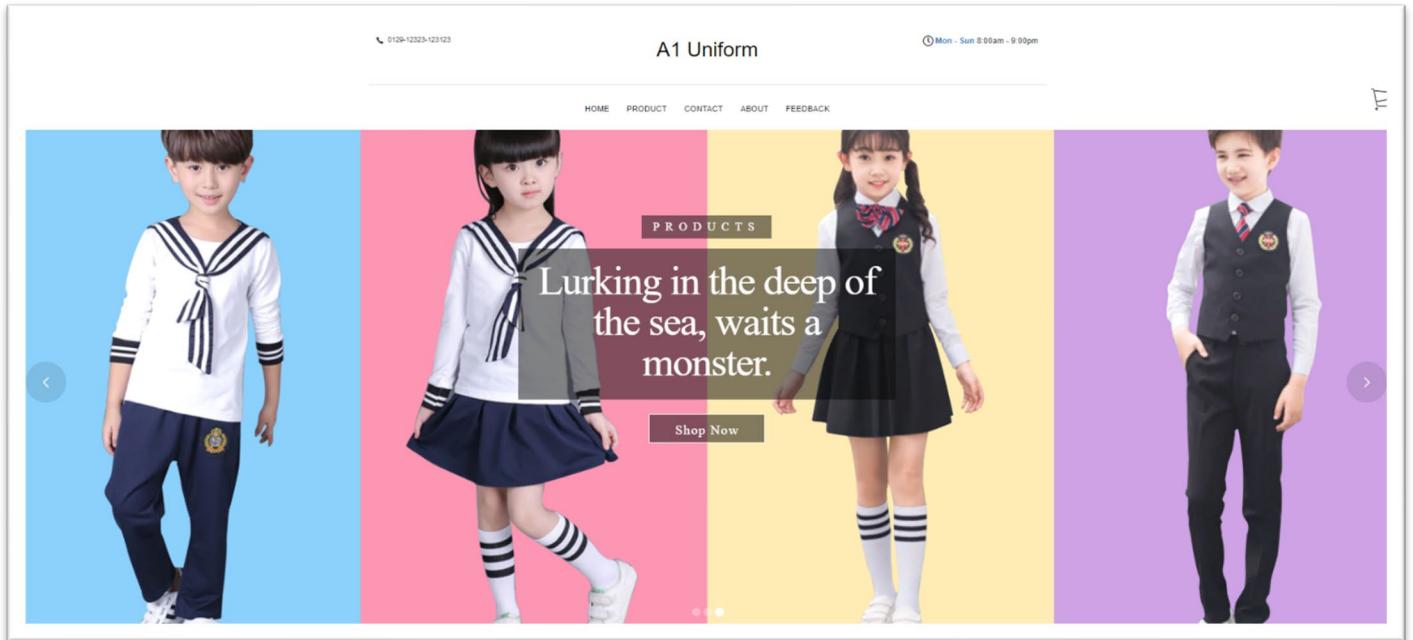
On Smartphone

The screenshot shows the same 'Feedback' section on a mobile device. The layout is adapted for a smaller screen. The top header includes the phone number, title, and search bar. The navigation menu is at the top of the content area. The 'Feedback' title and breadcrumb are present. The rating scale, comment fields, and other questions are displayed in a similar manner to the desktop version. The optional email field and submission buttons are also visible. The mobile version includes a note about character limits (1000 characters left) and contact information for customer support.

## MODULE DESCRIPTION

This chapter will provide information about module function integrated in the website

### 1. Banner Slider



#### a) Description

We just use Revolution Slider for slide function. There are tons of great features built into Slider Revolution to make creating custom sliders for your website easy. Here are a few of our favorites. it has transfer time 4s.

## b) Source Code with Comments

```

<!-- Slider Start -->
<section class="main-slider" style=" ... ">
    <div id="home_slider_wrapper" class="rev_slider_wrapper fullscreen-container">
        <div id="home_slider" class="rev_slider fullscreenbanner tiny_bullet_slider" data-version="5.4.1">
            <ul>
                <!-- SLIDE -->
                <li data-index="rs-73" data-thumb="images/slider/s1.jpg" data-transition="fade" ...>
                <!-- SLIDE -->
                <li data-index="rs-74" data-transition="fade" data-slotamount="default" data-hideafterloop="0" ...>
                <!-- SLIDE -->
                <li data-index="rs-75" data-transition="fade" data-slotamount="default" data-hideafterloop="0" ...>
            </ul>
            <div class="tp-bannertimer" style="height: 10px; background: rgba(0, 0, 0, 0.15);"></div>
        </div>
    </div>
    <!-- END REVOLUTION SLIDER -->
</section>
<!-- end slider -->

```

*Declare a div tag with id is home\_slider*

```

// Revolution Slider Init
var tpj = jQuery;
var revapi26;
tpj(document).ready(function () {
    if (tpj("#home_slider").revolution === undefined) {
        revslider_showDoubleJqueryError("#home_slider");
    } else {
        revapi26 = tpj("#home_slider")
            .show()
            .revolution({
                sliderType: "standard",
                jsFileLocation: "revolution/js/",
                sliderLayout: "auto",
                dottedOverlay: "none",
                delay: 4000,
                navigation: {
                    keyboardNavigation: "off",
                    keyboard_direction: "horizontal",
                    mouseScrollNavigation: "off",
                    mouseScrollReverse: "default",
                    onHoverStop: "off",

```

*Use the id selector #home\_slider*

## 2. Best Sellers Slider

BEST SELLERS



Student clothes new boysl  
suit 2pcs short sleeve T-shirt+ pants sets

**\$ 30**



indergarten Primary Kids Baby Girl  
Clothes Korean Fashion Clothing Stage Student Choir Costumes

**\$ 20**



White Blouse Red Plaid Skirt Setl  
90-130cm Children British Style School Uniform for Kids Girls

**\$ 30**



Cotton Rich School Cardigan Cardi  
Royal Blue:- 70% Cotton 30% Polyamide / Marl Grey:- 80% Cotton 20% Polyester

**\$ 40**

●
●
●

### a) Description

We just use Bootstrap Carousel and custom CSS, A layer will have 4 products shown. Can control display and purchase directly by clicking the price button.

## b) Source Code with Comments

```
// todo Best Sellers Carousel module
  $('#myCarousel').carousel({
    interval : 4000
  });

/* ----- end ----- */
```

*Use the id selector #myCarousel and assign the method carousel*

```
<div id="myCarousel" class="carousel slide" data-aos="zoom-in-up">
  <div class="carousel-inner">
    <div class="item active">
      <div class="row">
        <div class="col-md-3" ...>
        <div class="col-md-3" ...>
        <div class="col-md-3" ...>
        <div class="col-md-3" ...>
      </div>
    </div>
    <div class="item">
      <div class="row">
        <div class="col-md-3" ...>
        <div class="col-md-3" ...>
        <div class="col-md-3" ...>
        <div class="col-md-3" ...>
      </div>
    </div>
    <div class="item">
      <div class="row">
        <div class="col-md-3" ...>
        <div class="col-md-3" ...>
        <div class="col-md-3" ...>
        <div class="col-md-3" ...>
      </div>
    </div>
  </div>
```

*Declare a div tag with id is myCarousel*

### 3. Cart Module

The image displays two side-by-side screenshots of a shopping cart interface for school uniforms.

**Left Screenshot:**

- Cart Summary:** Total: \$1980
- Items:**
  - Secondary School Short Sleeve Interlock Polo Shirt: \$250 (Quantity: 3)
  - Mesh Gym Shorts: \$350 (Quantity: 2)
  - Plain Front Blend Chino Shorts: \$280 (Quantity: 1)
- Buttons:** Clear All, VIEW CART, CHECKOUT

**Right Screenshot:**

- Items:**
  - Short Sleeve Essential T-shirt: \$250 (Quantity: 1)
  - Long Sleeve Feminine Fit Interlock Polo Shirt: \$250 (Quantity: 1)
  - Plain Front Blend Chino Shorts: \$280 (Quantity: 1)
- Buttons:** Clear All, VIEW CART, CHECKOUT

#### a) Description

Cart module is a piece of software that keeps the record of the items a buyer has 'picked up' from the online store. Acting as an online store's catalog, the eCommerce shopping cart enables consumers to select products, review what they selected, make modifications or add extra items if needed, and purchase the products.

## b) Source Code with Comments

```
<!-- Cart shopping -->
<section class="shopping-cart">
  <div class="cart-hover">
    <span class="cart-count animate__animated animate__heartBeat"></span>
    <a href="view-cart.html" data-toggle="dropdown"><i class="tf-ion-ios-cart-outline" style="font-size: 50px;"></i></a>
    <div class="dropdown-cart animate__animated animate__fadeInRight animate__fast">
      <div class="show-cart-list">
        <div class="cart-list">
          <div style="flex: 3; ...>
          <div class="media-body-cart" ...>
          <div style="flex: 1; ...>
        </div>
      </div>
      <div class="cart-summary-total">
        <div style="flex: 2; text-align: left;">Total :</div>
        <div class="total-price" style="flex: 4; text-align: left;">...</div>
        <div class="clear-cart btn btn-danger outline">Clear All</div>
      </div>
      <ul class="text-center cart-buttons">
        <li>
          <a href="view-cart.html" class="btn btn-small">View Cart</a>
        </li>
        <li>
          <a href="checkout.html" class="btn btn-small btn-solid-border">Checkout</a>
        </li>
      </ul>
    </div>
  </div>
</section>
```

*Declare a section tag with class is shopping-cart*

```
var shoppingCart = (function () {
  // =====
  // Private methods and properties
  // =====
  var cart = [];

  // Constructor
  function Item(name, price, count, img) {
    this.name = name;
    this.price = price;
    this.count = count;
    this.img = img;
  }

  // Save cart
  function saveCart() {
    sessionStorage.setItem("shoppingCart", JSON.stringify(cart));
  }

  // Load cart
  function loadCart() {
    cart = JSON.parse(sessionStorage.getItem("shoppingCart"));
  }

  if (sessionStorage.getItem("shoppingCart") != null) [
    loadCart();
  ]
});
```

```
//todo Add to cart
obj.addItemToCart = function (name, price, count, img) {
  for (var item in cart) {
    if (cart[item].name === name) {
      cart[item].count++;
      saveCart();
      return;
    }
  }
  var item = new Item(name, price, count, img);
  cart.push(item);
  saveCart();
};

//todo Set count from item
obj.setCountForItem = function (name, count) {
  for (var i in cart) {
    if (cart[i].name === name) {
      cart[i].count = count;
      break;
    }
  }
};
```

*Some functions of the cart module: additemToCart, v.v*

## 4. Checkout info validation module

**BILLING DETAILS**

---

FULL NAME

Fullname must be 3-15 characters

ADDRESS

ZIP CODE
CITY

COUNTRY

**PAYMENT METHOD**

---

Credit Card Details (Secure payment)

CARD NUMBER \*
\*\*\*\*\*

EXPIRY (MM/YY) \*
MM / YY

CARD CODE \*
CVC

PLACE ORDER

**ORDER SUMMARY**

---

	Short Sleeve Essential T-shirt
	1 x \$250 = \$250
	<a href="#">Remove</a>
	Long Sleeve Feminine Fit Interlock Polo Shirt
	1 x \$250 = \$250
	<a href="#">Remove</a>
	Plain Front Blend Chino Shorts
	1 x \$280 = \$280
	<a href="#">Remove</a>

---

Total	\$780
-------	-------





### a) Description

This is called form validation. When you enter data, the browser and / or the web server will check to see that the data is in the correct format and within the constraints set by the application. Validation done in the browser is called client-side validation, while validation done on the server is called server-side validation. If the information is correctly formatted, the application allows the data to be submitted to the server and (usually) saved in a database; if the information isn't correctly formatted, it gives the user an error message explaining what needs to be corrected, and lets them try again.

## b) Source Code with Comments

```
<form class="checkout-form">
    <div class="form-group">
        <label for="full_name">Full Name</label>
        <input type="text" class="form-control" id="full_name" placeholder=""><span id="errfullname" class="errmsg"></span>
    </div>
    <div class="form-group">
        <label for="user_address">Address</label>
        <input type="text" class="form-control" id="user_address" placeholder="" required>
    </div>
    <div class="checkout-country-code clearfix">
        <div class="form-group">
            <label for="user_post_code">Zip Code</label>
            <input type="text" class="form-control" id="user_post_code" name="zipcode" value=""><span id="errzipcode" class="errmsg"></span>
        </div>
        <div class="form-group">
            <label for="user_city">City</label>
            <input type="text" class="form-control" id="user_city" name="city" value="">
        </div>
    </div>
    <div class="form-group">
        <label for="user_country">Country</label>
        <input type="text" class="form-control" id="user_country" placeholder="">
    </div>
</form>
```

*Declare form tag with class checkout-form*

```
function checkFullscreen() {
    if (reg_fullname.test(fullname.value) === false) {
        fullname.classList.add('errinput');
        errfullname.innerHTML = 'Fullname must be 3-15 characters';

        return false;
    } else {
        fullname.classList.remove('errinput');
        errfullname.innerHTML = '';
        return true;
    }
}

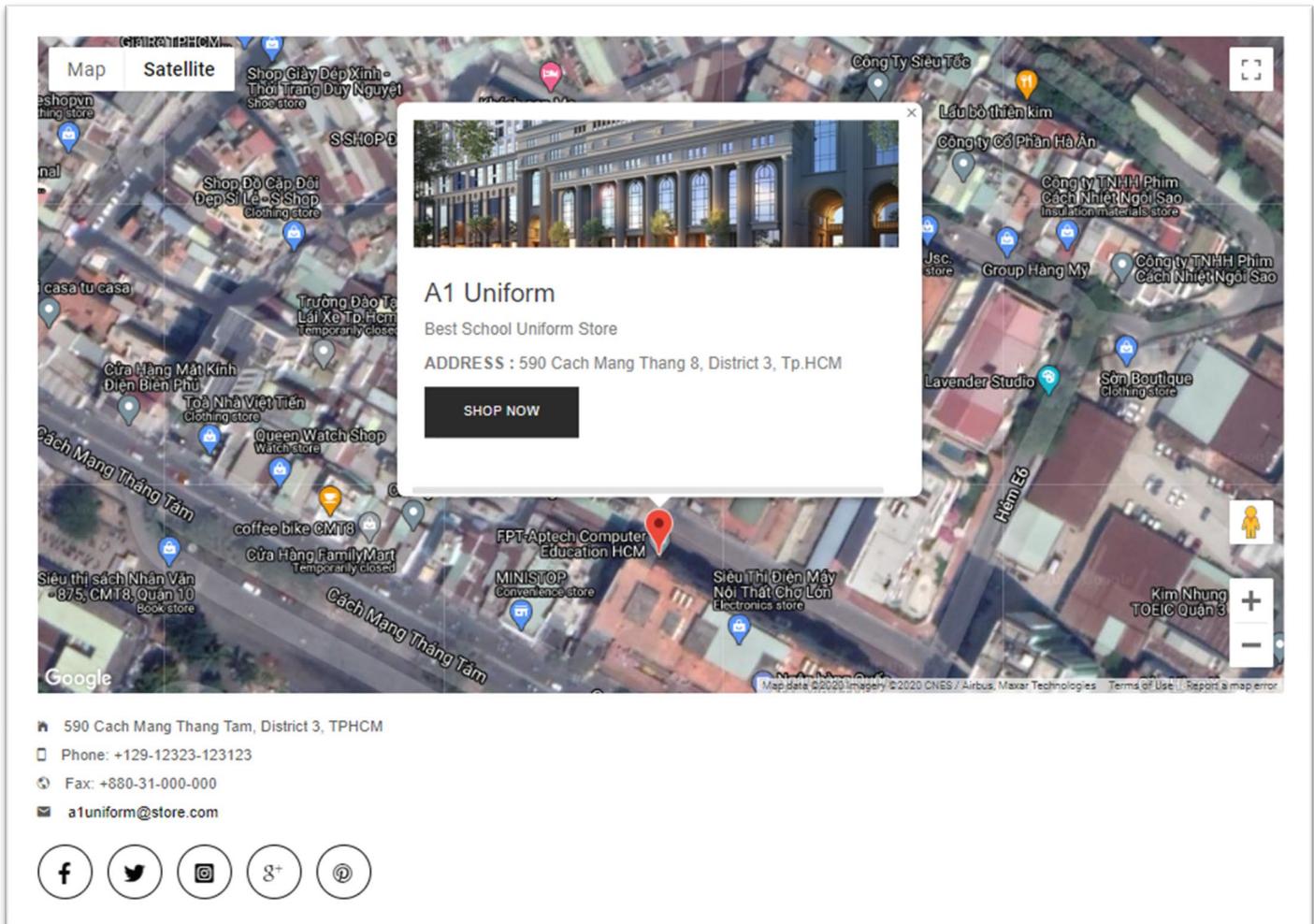
> function checkZipcode() { ... }

> function checkCreditcard() { ... }

function validateform() {
    var c = false;
    if (checkFullscreen()) {
        if (checkZipcode()) {
            if (checkCreditcard()) {
                if (checkExpcard()) {
                    if (checkCardcvc()) {
                        c = true;
                    }
                }
            }
        }
    }
    return c;
};
```

*Some validation functions*

## 5. Map direction module



### a) Description

Displays a map of the store's location, using google geolocation api. The Geolocation API returns a location and accuracy radius based on information about cell towers and WiFi nodes that the mobile client can detect.

## b) Source Code with Comments

```
<div class="google-map">
  <div id="map"></div>
</div>
```

*declare div id tag is map*

```
<script
  async
  src="https://maps.googleapis.com/maps/api/js?key=AIzaSyA_5CbiJoFWm4KHUnTrAKLPy5BmgIg5Uv0&callback=initMap"
  type="text/javascript"
></script>
```

*include Geolocation API*

```
let marker;
function initMap () {
  var uluru = {lat:10.786596,lng:106.666103};
  var map = new google.maps.Map(document.getElementById('map'),{
    zoom:19,
    center:uluru,
    mapTypeId: google.maps.MapTypeId.HYBRID
  });
  var contentString = '<div class="row">'+<div class="col-sm-12 col-md-23">'+ '<div class="thumbnail" style="border: none">'+
  ''+<div class="caption">+'<h3>A1 Uniform</h3>+'<p>Best School Uniform Store</p>' +
  '<p><b>ADDRESS : </b>590 Cach Mang Thang 8, District 3, Tp.HCM</p>'+<p><a href="all-products.html" class="btn btn-main" role="button">Shop Now</a>' +
  '</div>'+</div>'+</div>'+</div>';

  var infowindow = new google.maps.InfoWindow({
    content : contentString,
    maxWidth : 480
  });
  marker = new google.maps.Marker({
    map,
    draggable: true,
    animation: google.maps.Animation.DROP,
    position: { lat: 10.786598, lng: 106.666101 },
  });
  marker.addListener("click", function(){
    infowindow.open(map,marker)
  });
  infowindow.open(map,marker);
}
function toggleBounce() {
  if (marker.getAnimation() !== null) {
    marker.setAnimation(null);
  } else {
    marker.setAnimation(google.maps.Animation.BOUNCE);
  }
}
```

*declare function initMap*

## 6. Sort and filter module

**CATEGORIES**

<b>PRIMARY SCHOOL</b>	
For Boy	For Girl
<input type="checkbox"/> Shirts	<input checked="" type="checkbox"/> Shirts
<input type="checkbox"/> T-Shirts	<input type="checkbox"/> T-Shirts
<input type="checkbox"/> Shorts	<input type="checkbox"/> Shorts
<input checked="" type="checkbox"/> Track Pants	<input type="checkbox"/> Track Pants
<input type="checkbox"/> Logos	<input type="checkbox"/> Logos
<input type="checkbox"/> Socks	<input type="checkbox"/> Socks

<b>SECONDARY SCHOOL</b>	
<b>HIGH SCHOOL</b>	
<b>CLUB</b>	



Iron Knee Stain Resistant Wrinkle  
Resistant Plain Front Chino Pants

\$420



Resistant Wrinkle Resistant Plain  
Front Chino Pants

\$490



Girl Short Sleeve Interlock Polo Shirt

\$250



Girl Long Sleeve Feminine Fit  
Interlock Polo Shirt

\$250

### a) Description

Supporting users to find products in each category, users can quickly find out which products to buy.

## b) Source Code with Comments

```

<h4>For Boy</h4>
<ul>
    <li>
        <input type="checkbox" class="form-check-input" id="b-shirts"
               rel="b-shirts">
        <label class="form-check-label" for="b-shirts">Shirts</label>
    </li>
    <li>
        <input type="checkbox" class="form-check-input" id="b-tshirts"
               rel="b-tshirts">
        <label class="form-check-label" for="b-tshirts">T-Shirts</label>
    </li>
    <li>
        <input type="checkbox" class="form-check-input" id="b-shorts"
               rel="b-shorts">
        <label class="form-check-label" for="b-shorts">Shorts</label>
    </li>
    <li>
        <input type="checkbox" class="form-check-input"
               id="b-trackpants" rel="b-trackpants">
        <label class="form-check-label" for="b-trackpants">Track
            Pants</label>
    </li>
</ul>

```

*Use the ul li tag to display the checkbox*

```

$('.panel-body>.panel-flex>div>ul>li').find('input:checkbox').on('click', function () {
    if($('.panel-body>.panel-flex>div>ul>li').find('input:checkbox:checked').length > 0) {
        $('.cat').hide();
        $('.panel-body>.panel-flex>div>ul>li').find('input:checked').each(function () {
            $('.cat.' + $(this).attr('rel')).not('.hidden').show('slow');
        });
    } else {
        $('.cat').each(function (index, element) {
            if (index < 9) {
            }
        });
    }
});

```

*Use the find method to search for checked checkboxes*

## TASK SHEET REVIEW 3

Project Ref. No.:		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
Sr. No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status
1	Template	A1 Uniforms	Linh	11/8/2020	1	4 members	Completed
2	Navigation Bar			13/8/2020	1	Ngan	Completed
3	Homepage			13/8/2020	1	Linh	Completed
4	Contact Us			13/8/2020	1	Thach	Completed
5	About			13/8/2020	1	Phat	Completed
6	Feedback			14/8/2020	1	Thach	Completed
7	Map			13/8/2020	1	Thach	Completed
8	Products			15/8/2020	1	Linh, Ngan, Phat	Completed
9	Footer			14/8/2020	1	Ngan	Completed
10	Gathering information and images			13/8/2020	1	4 members	Completed
11	Add to Cart, Checkout			15/8/2020	1	Thach, Linh	Completed
12	Module Description			20/8/2020	2	Linh	Completed

Date:	Signature of Instructor:	Signature of Team Leader:
	Mr. Nguyen Ngo Phuoc	Tran Vu Linh