

# Web application development

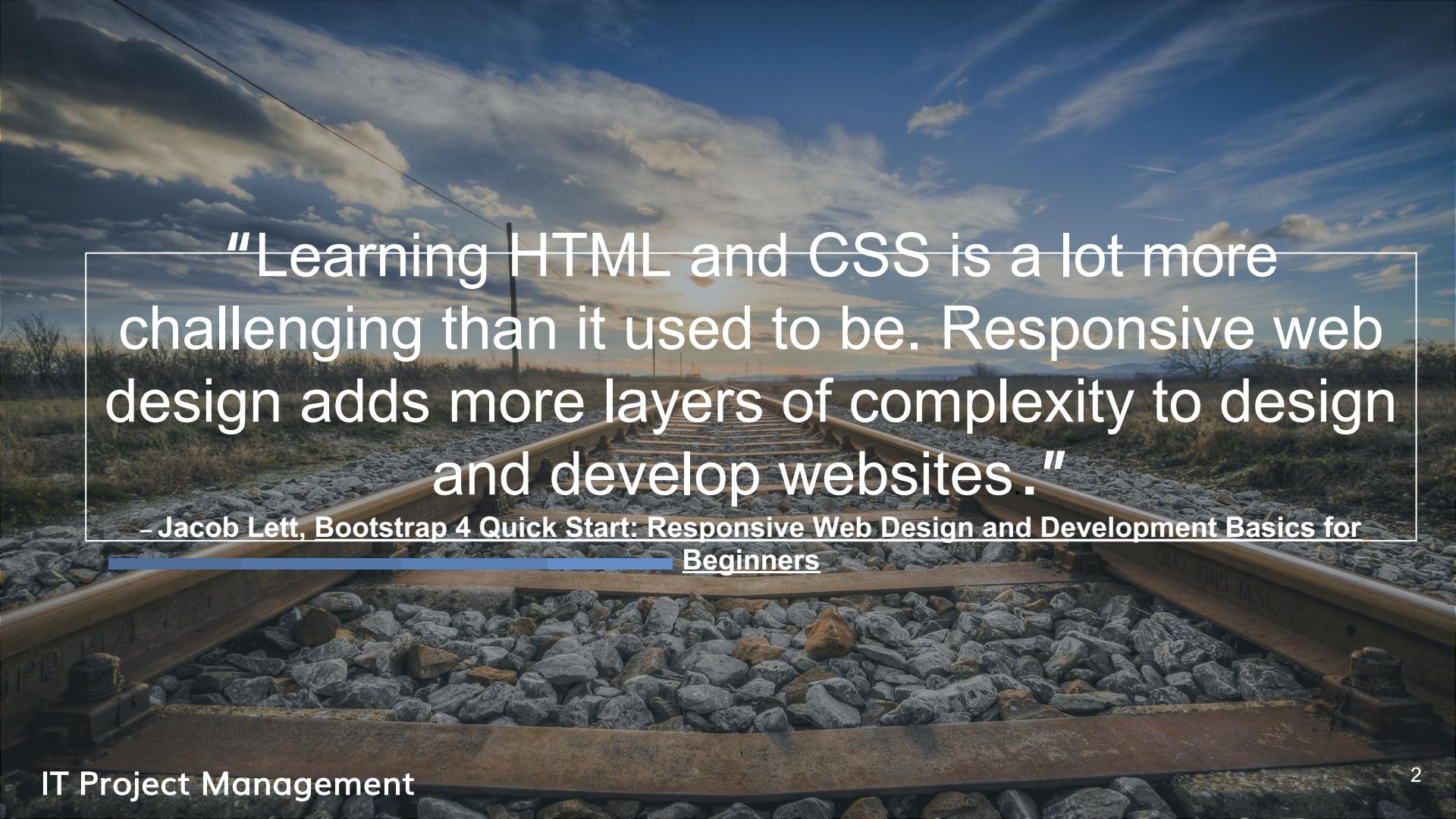
(Introduction to HTML/CSS)

Instructor: Tran Vinh Khiem

September 1st, 2022



*Smart Software System Team*

A photograph of a railway track curving away into a sunset sky. The sky is filled with large, wispy clouds against a blue and orange backdrop. The railway tracks are made of steel rails and wooden sleepers, with gravel between the sleepers.

**“Learning HTML and CSS is a lot more challenging than it used to be. Responsive web design adds more layers of complexity to design and develop websites.”**

**- Jacob Lett, [Bootstrap 4 Quick Start: Responsive Web Design and Development Basics for Beginners](#)**



# HTML/CSS – Install - Boilerplate

<https://code.visualstudio.com/download>

The screenshot shows the Visual Studio Code Marketplace interface. On the left, a sidebar displays search results for 'html boi', including extensions like 'HTML Boilerplate' by sidthesloth, 'HTML Snippets' by Mohamed Abusaid, and 'HTML CSS Support' by ecmei. On the right, the details page for 'Extension: HTML Boilerplate' (v1.1.1) is shown. The page includes the extension's icon (a large red '5'), its name, developer (sidthesloth), download count (1,710,946), rating (4.5 stars from 14 reviews), and a brief description: 'A basic HTML5 boilerplate snippet generator.' Below this are tabs for 'Details', 'Feature Contributions', and 'Runtime Status'. The 'Details' tab contains sections for 'README', 'Visual Studio Code HTML Boilerplate', and 'Usage'. It also features a code editor preview showing an HTML file with boilerplate code. The right sidebar lists categories ('Snippets'), extension resources ('Marketplace', 'Repository', 'License'), and more info ('Released', 'Last updated', 'Identifier').

Extension: HTML Boilerplate v1.1.1

sidthesloth | 1,710,946 | ★★★★☆ (14)

A basic HTML5 boilerplate snippet generator.

Details Feature Contributions Runtime Status

### README

#### Visual Studio Code HTML Boilerplate

This extension provides the standard HTML boilerplate code used in all web applications.

#### Usage

Type 'html5-boilerplate' in an HTML file and select the snippet from the auto suggestion dropdown to get the HTML boilerplate.

```
<!DOCTYPE html>
<html class="no-js lt-ie9 lt-ie8 lt-ie7">
  <!--[if lt IE 7]>      <html class="no-js lt-ie9 lt-ie8 lt-ie7"> <![endif]-->
  <!--[if IE 7]>        <html class="no-js lt-ie9 lt-ie7"> <![endif]-->
  <!--[if IE 8]>        <html class="no-js lt-ie9 lt-ie8"> <![endif]-->
  <!--[if !IE ]>       <html class="no-js"> <![endif]-->
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <title>Welcome Page</title>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="css/main.css">
</head>
```

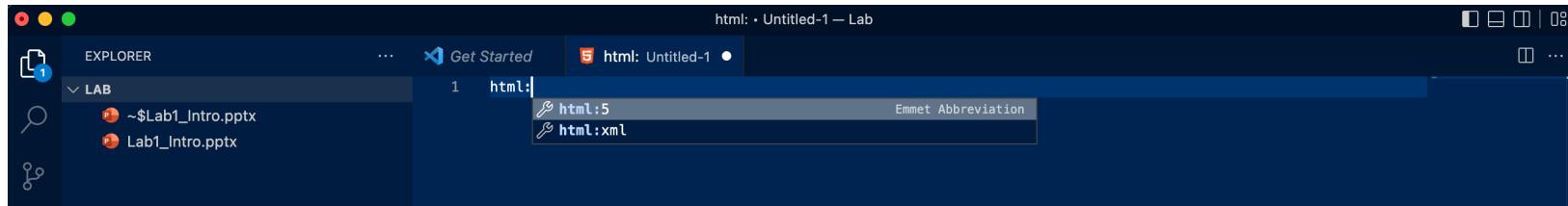
Categories: Snippets

Extension Resources: Marketplace, Repository, License, sidthesloth

More Info: Released 5/8/2016, Last updated 9/28/2020, Identifier sidthesloth.html5-boilerplate



# HTML/CSS – Install - Boilerplate



A screenshot of the Visual Studio Code interface. The title bar says "html: • Untitled-1 – Lab". The left sidebar shows an "EXPLORER" view with a folder named "LAB" containing files: "~\$Lab1\_Intro.pptx" and "Lab1\_Intro.pptx". The main editor area has the text "html:" followed by a dropdown menu titled "Emmet Abbreviation" with options "html:5" and "html:xml".



A screenshot of the Visual Studio Code interface. The title bar says "<!DOCTYPE html> • Untitled-1 – Lab". The left sidebar shows an "EXPLORER" view with a folder named "LAB" containing files: "~\$Lab1\_Intro.pptx" and "Lab1\_Intro.pptx". The main editor area displays the following HTML code:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Document</title>
8 </head>
9 <body>
10
11 </body>
12 </html>
```

# HTML/CSS – First implementation – Exercise 1



- Create empty file index.html
- In the body, type the same lines of code, one after the other as shown in the images below (remember to save the code after typing).
- F5 index.html page opened in the browser, see the content displayed on the web to know the function of the html tags in the code



# HTML/CSS – First implementation – Basic, list,

D:\Web\MSSV\_Web01\index.html (MSSV\_Web01) - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

```
index.html
1 <head>
2   <title>Title h1</title>
3   <title>Title h2</title>
4   <title>Title h3</title>
5   <title>Title h4</title>
6   <title>Title h5</title>
7   <title>Title h6</title>
8   <p>Paragraph</p>
9   <p><b>Bold</b></p>
10  <p><strong>Strong</strong></p>
11  <p><i>Italic</i></p>
12  <p><em>em</em></p>
13  <p><u>Underline</u></p>
14  <p><del>Strikethrough</del></p>
15  <p><sup>2</sup></p>
16  <p><sub>2</sub></p>
17  <!--https://unicode-table.com/en/00A9-->
18  <p>Copyright © 2020</p>
19  <p>
20    <blockquote>Học, học nữa, học mãi.
21      <cite>&mdash; Lê-nin</cite>
22    </blockquote>
23  </p>
24  <p>
25    <address>KP6, Linh Trung, Thủ Đức, HCM.</address>
26  </p>
27  </body>
28 </html>
```

Line 34, Column 8

```
14 <body>
15   <ul>
16     <p>Danh sách website:</p>
17     <li><a href="http://uit.edu.vn/" target="_blank">UIT</a></li>
18     <li>SE</li>
19     <li>Website môn học UIT</li>
20   </ul>
21   <ol>
22     <p>Danh sách website:</p>
23     <li><a href="http://uit.edu.vn/" target="_blank">UIT</a></li>
24     <li>SE</li>
25     <li>Website môn học UIT</li>
26   </ol>
27 </body>
```

```
7 <body>
8   <a href="http://fb.com/">Facebook</a>
9   <a href="http://uit.edu.vn/" target="_blank">UIT</a>
10  <br>
11  <a href="https://www.facebook.com/profile.php" target="_blank">
12    
13  </a>
14 </body>
```



# HTML/CSS – First implementation

- This code after saving and F5 index.html page, the result is that the image is not visible
- If you want to see an image, download something, save it to the folder containing the index.html file 🤝



# HTML/CSS – First implementation - Table

Fill your information into html tag

D:\Web\MSSV\_Web01\index.html • (MSSV\_Web01) - Sublime Text (UNREGISTERED)

```
File Edit Selection Find View Goto Tools Project Preferences Help
```

index.html

```
6  </>read>
7  <body>
8      <table border="1">
9          <tr>
10         <th>STT</th>
11         <th>Họ Tên</th>
12         <th>Lớp</th>
13     </tr>
14     <tr>
15         <td>1</td>
16         <td>Nguyễn Văn A</td>
17         <td>PMCL</td>
18     </tr>
19     <tr>
20         <td>2</td>
21         <td>Nguyễn Văn B</td>
22         <td>KTPM</td>
23     </tr>
24     <tr>
25         <td>3</td>
26         <td colspan="2" rowspan="2">None</td>
27     </tr>
28 </table>
29 <br>
30 <table border="1">
31     <tr>
32         <th>STT</th>
33         <td>1</td>
34         <td>2</td>
35         <td>3</td>
36     </tr>
37     <tr>
38         <th>Họ Tên</th>
39         <td>Nguyễn Văn A</td>
40         <td>Nguyễn Văn B</td>
41         <td rowspan="2">None</td>
42     </tr>
43     <tr>
44         <th>Lớp</th>
45         <td>PMCL</td>
46         <td>KTPM</td>
47     </tr>
48 </table>
49 </body>
```

Line 49, Column 8

D:\Web\MSSV\_Web01\index.html • (MSSV\_Web01) - Sublime Text (UNREGISTERED)

```
File Edit Selection Find View Goto Tools Project Preferences Help
```

index.html

```
24 <tr>
25     <td>3</td>
26     <td colspan="2" rowspan="2">None</td>
27 </tr>
28 </table>
29 <br>
30 <table border="1">
31     <tr>
32         <th>STT</th>
33         <td>1</td>
34         <td>2</td>
35         <td>3</td>
36     </tr>
37     <tr>
38         <th>Họ Tên</th>
39         <td>Nguyễn Văn A</td>
40         <td>Nguyễn Văn B</td>
41         <td rowspan="2">None</td>
42     </tr>
43     <tr>
44         <th>Lớp</th>
45         <td>PMCL</td>
46         <td>KTPM</td>
47     </tr>
48 </table>
49 </body>
```



# HTML/CSS – First implementation - Form

D:\Web\MSSV\_Web01\index.html • (MSSV\_Web01) - Sublime Text (UNREGISTERED)

```
File Edit Selection Find View Goto Tools Project Preferences Help
```

index.html

```
5     <title>HTML5</title>
6 </head>
7 <body>
8     <form action="" method="GET" accept-charset="UTF-8">
9         <!--action: java script
10            method: GET/POST/PUSH/PATCH/DELETE-->
11         <label for="full-name">Họ và Tên:</label>
12         <input type="text" name="full-name" value="" placeholder="Họ và Tên">
13         <label for="about-your-self">Mô tả về bạn:</label>
14         <textarea name="about-your-self" id="" cols="30" rows="10"></textarea>
15         <button>Xóa dữ liệu</button>
16         <input type="submit" value="Gửi dữ liệu">
17     <!--
18        type: color/checkbox/date/datetime/datetime-local/email/file/hidden/
19           image/month/number/password/radio/range/reset/search/tel/time/url/week
20    -->
21         <select name="" id="">
22             <optgroup label="UIT">
23                 <option value="">DAA</option>
24                 <option value="">Website môn học</option>
25             </optgroup>
26             <optgroup label="Mạng xã hội">
27                 <option value="">FB</option>
28                 <option value="">Zalo</option>
29             </optgroup>
30         </select>
31     </form>
32 </body>
```



# HTML/CSS – HTML cheatsheet

<https://web.stanford.edu/group/csp/cs21/htmlcheatsheet.pdf>

<https://www.w3schools.com/>

<https://developer.mozilla.org/en-US/>



# HTML/CSS – Exercise 2

- Firstly, you should create new folder Exercise 2 and new index.html
- Clone and rewrite this this website



**Thomas H. Cormen**  
Emeritus Professor  
Department of Computer Science

I retired on January 1, 2022. I am no longer taking any new students or interns at any level.

Update June 2022: I am a Democratic candidate for the New Hampshire House of Representatives, running in Lebanon Ward 3 (Grafton County District 15).  
[Campaign website](#)

Ph.D., [Massachusetts Institute of Technology](#), 1992.

- [Papers](#)
- [FG](#)
- [Other software](#)
- [Vita](#)

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I taught my final course in Fall 2019. You can view a [video of my last lecture](#), which was not about computer science.

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Khan Academy now carries [algorithms tutorials](#) for which Devin Balkcom and I produced content.

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Are you looking for solutions to exercises and problems in *Introduction to Algorithms*?

---

If you are, then see the [frequently asked question and answer](#) below.

---

If you request solutions from me, I will not respond.

---

From July 2004 through June 2008, I was the director of the [Dartmouth Institute for Writing and Rhetoric](#).

---

I occasionally taught a graduate Computer Science course on how to write papers and how to give talks. I publish a [list of usage rules](#) that I required my students to observe.

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In 2015, PRI's "The World" ran a [story on mentoring women in computer science](#) in which a couple of my students and I were interviewed.



# HTML/CSS – Exercise 2

- Replace with your personal information
- Example here



**Tran Van Boss**  
**Sen's boss at CTTT2019**  
**My student ID is 1952xxxx**

I like female cat, fish and pate (Your introduction)

Soon to be genius engineer, [UIT\\_VNU-HCM](#), 2024.

[Github](#) (Your personal github site)  
[Facebook](#)

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I learnt at UIT-VNUHCM from 2019. You can view a [My student ID](#)

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## Subject and learning

- Web application development
  - Introduction to database
- 

## Working experience

Dates	Work
2019-2022	Student at UIT
06/2021-now	Internship at Facebook

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## Skills

HTML/CSS	★	Python	★★★★★
React	★	SQL	★★★★★



# HTML/CSS – CSS Introduction

- There are several CSS formatting options: External Stylesheet (using distinct link and css tags), The Style Region (using style tags placed directly in html code), and Inline Styles.
- When a tag has many distinct CSS forms, the inline format takes priority 1.



# HTML/CSS – CSS Introduction – Exercise 3

- Open the file index-2.html and app.css to see how to format a CSS, add CSS for a tag. The relationship between the two files.
- Open the index-2.html file with Chrome. Guess what lines of code the effects on the web are created with?



# HTML/CSS – CSS Introduction – Exercise 3

- Using your knowledge of html and CSS, add the GENERAL NOTICE section of [daa.uit.edu.vn](http://daa.uit.edu.vn) to index-2.html

## THÔNG BÁO CHUNG

- › Hướng dẫn triển khai dạy và học qua mạng trong thời gian phòng chống dịch COVID-19 - 27/03/2020 - 11:28
- › Thông báo Khẩn: Các lớp hệ đại học chính quy tiếp tục học qua mạng cho đến khi có thông báo mới để phòng chống Dịch bệnh Covid-19 - 27/03/2020 - 10:50
- › Quyết định về việc chuyển ngành và chuyên ngành cho sinh viên hệ đào tạo chính quy học kỳ 2 năm học 2019-2020 - 11/03/2020 - 08:38
- › Thông báo về việc gia hạn thời gian thu học phí HK2 2019-2020 - 10/03/2020 - 15:34
- › Thông báo code đăng nhập lớp Pháp luật đại cương trong HK 2 NH 2019-2020 - 09/03/2020 - 14:56
- › Thông báo code đăng nhập một số lớp Lý luận chính trị trong HK 2 NH 2019-2020 - 08/03/2020 - 21:13
- › Hướng dẫn SV về việc học online từ 9/3 đến 31/3 - 08/03/2020 - 19:19
- › Thông báo Khẩn: Điều chỉnh kế hoạch đào tạo học kỳ 2 do dịch Covid-19 từ ngày 09/3/2020 - 06/03/2020 - 14:59
- › Thông báo thời gian nộp đơn chuyển ngành từ HK 2 năm học 2019-2020 - 02/03/2020 - 10:26
- › Thông báo Khẩn: Thay đổi kế hoạch học kỳ 2 do dịch Covid-19 - 28/02/2020 - 11:55

[Xem thêm »](#)



# HTML/CSS – Homework

- Upgrade your exercise 2 – The CV.
- Using CSS and making as this sample.

## Profile

I'm a student

### About me

I am a lovely cat. I have passion in IT and I want to become data analyst.



### Details

**Name:**  
Tran Van Boss  
**Age:**  
5 years  
**Location:**  
UIT, VNU-HCM

## Experiences

### Educations

**UIT, VNU-HCM**  
Apr 2019 - June 2024

**Information System**  
The education was mainly System design-basec course, but I also learned about Web, Data analysis and more. During my time in college, I specialized in OOP, data science. Now, I'm learning web development

### Working Experiences

<b>Facebook   Fresher Engineer</b> Sep 2021 - current	<b>Partime - Fresher Web Developer</b> Working as a Fresher Devloper on a dating function on Facebook page. Dating function is an app as Tinder
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# HTML/CSS – Homework (Next)

- Upgrade your exercise 2 – The CV.
  - Using CSS and making as this sample.

## Abilities

## Skills



*See my profile on github*

[See project on GitHub](#)

## Languages





# HTML/CSS – Homework 2

- Access to this link and do as guidance

<https://drive.google.com/file/d/1mBB9kIP4bVN1l9P1pMeoUrbwcw4aBsut/view?usp=sharing>



# HTML/CSS – Homework 3

- Access to this link and do as guidance

[https://drive.google.com/file/d/1f6\\_HXXIHw-roS85dH47Nc6vreLF30QCD/view?usp=sharing](https://drive.google.com/file/d/1f6_HXXIHw-roS85dH47Nc6vreLF30QCD/view?usp=sharing)



# Q & A



## Thank you for listening

*“Coming together is a beginning;  
Keeping together is progress;  
Working together is success.”*  
- HENRY FORD