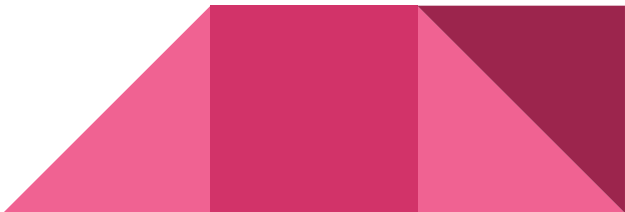


Preliminaries

MercedEnergy.com
Software Engineering
01-10-2019

Objectives

- The goal is for you to be able to produce quality software for MercedEnergy.com and TechEquation.org
 - The ultimate goal of this team is to create a web application that will remotely manage a smart battery management system.
 - This web app will serve as a control panel for managing the batteries remotely.
 - This team will create websites, contribute to events, and much more.
 - Serve the needs of MercedEnergy.com
 - Become capable Software Engineers
 - Ability to document software
- 

Software Engineering

- “The application of a systematic, disciplined, quantifiable approach to the development, operation, and maintenance of **software**” - IEEE
- MercedEnergy.com is the client
- Documentation is very important.
 - Make sure you write everything down.



Starting off

- The team will begin by learning the necessary to develop software.
- First we will assess the teams skill level.
- The meetings will consist of small projects and learning material.
- Tasks will be assigned for major projects.

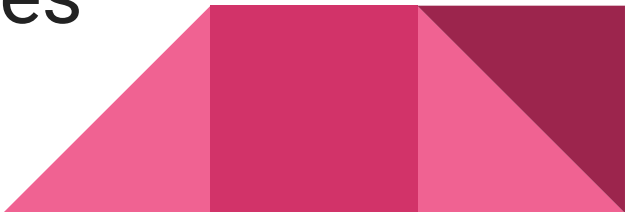


Computer Programming

- Team members should have been exposed to a computer programming and computer science.
- Languages we will be using include but are not limited to
 - Java, C++, Python, JavaScript
 - (Web Development) HTML, CSS
- Begin by learning HTML



HTML

- HyperText Markup Language
 - Will be used extensively when creating websites, or web application.
 - “standardized system for tagging text files to achieve font, color, graphic, and hyperlink effects on World Wide Web pages”
- 

CSS

- Cascading Style Sheets
 - Cascading : What part of them document section will require the style rule.
 - Style : How color, font, margins, tables, paragraphs should look.
 - Sheets : Rules of on how a webpage looks.



JAVASCRIPT

- Gives webpages functionality.
- A programming language for the web
- Node.js : open source server environment
- React Native : A JavaScript Framework



Sources & Websites

- <https://www.w3schools.com/>
- <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide>



Thank You

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