Project# 1 V1.[1](#9hhc0widloem)[[1]](#footnote-1) COP 3813 Fall 2017

© 2017 Saeed Rajput, Ph.D.

You can save this Homework file as MS-Word file (File->Download As->Microsoft Word (.diocx) ) and provide answers within that document. All images, must be enclosed within a single WORD file. Projects submitted in multiple files will not be graded (even if they are sipped in a single file). Do not remove any original content from the file when editing the file to provide your responses.

## Goal

Learn how to initiate a project and quickly deploy a respectable web page using currently available tools.

Part 1 [20 points]

# Deliverable 1: Narrowing down the Scope [1 point]

Carefully write a brief description of the business or service that includes:

1. The type of your business it provides, and [1 point]
2. What are most essential clients, customers, or users of service it has. [1 point]

If you are careful in picking the right type of business (make sure it has not being picked already), you may be able to use this same your business for several other projects. Therefore, do not take it lightly, you will save yourself a lot of trouble later. If you did this step in HW-0 bonus, it is ok to cut and paste and attempt to describe it better, it does not have to be exactly the same. It is equally important to not to be shy and fearful of experimenting. This is part of your training to learn to innovate.

----------------Write below----------------------------------------------------------------

MotorHead Service Inc

This website would provide a service/community in which automotive enthusiast can come together and share their common interest in motor vehicles of any make of model, without ridicule. Not only will they shared their common interest in motor vehicles, but be able to ask for help with certain aspect of their own cars. They can also, buy, sell and trade parts within this web service community that will be provided by this site.

# Deliverable 2: Mission & Goals of Business [3 points]

Define the mission statement and at least three major goals of your business (not the website but the business itself). (Every business must have a less than three sentence mission, and few discretely itemized goals). There should be at least three goals but not greater than eight. If you are ending up with more than eight goals, your goals are not correctly phrased. Generalize your statements to cover more scenarios in a single statement.

----------------Write below----------------------------------------------------------------

Mission Statement:

* The mission of this business/service is to provide a safe environment/community, in which its members can interact with each other, shared common interest and just have fun talking about all things of cars.

## Goals:

1. Provide a worry free safe environment for its members
2. Provide solutions for car related problems that is encountered by its members from again, its members.
3. The ability to exchange (buy/sell/trade) parts

# Deliverable 3: User Stories (Use cases) [9 points]

Think about six different ways users would want to interact with the website of your business. Think about what would be that you can do on the website that will improve the experience of users when they want to do interact with your business.

Added 2017/08/31:

Ref: <http://teced.com/services/user-interface-design/user-modeling/>

In regular software development/design, User Stories are called “Use Cases” and “User Models” are called “Roles”.

Express these six user stories in English.

Do not feel restricted because you are entering these stories in a table. Feel free to write a long story. This is not the place where you want to be brief.

Added 2017/08/31:

What you will mostly be confused about is the difference between “most desired features” and “user stories or use cases”. This is normal when you are doing it for the first time.

* The best way to think about a “Feature” is that it is an activity that website supports, and usually developers think in terms of features.
* The best way to think about a “Use Case” or a “User Story” is that “what is a complete objective that a specific type of user wants to achieve?”.

**Example:**

I do not go to Amazon as a “customer” (my role) to “create a new shopping cart” or to “write a comment”. I go there to “search products”, “buy products” and “learn if the products are good for me”.

As a “seller” my main goal is not to enter my “shipping methodology”, or “hooking up my bank account to my amazon account”, or to just “Enter my Product information”. My main objectives are “to discover what are hot selling items related to what I want to sell”, and “to sell a lot of widgets of my product”

Roles:

* Customer
* Seller

[Stories for Customer](#iqvmdn54dlts):

* “search products”
* “buy products”
* “learn if the products are good for me”

[Stories for Seller](#iqvmdn54dlts):

* “to discover what are hot selling items related to what I want to sell”
* “to sell a lot of widgets of my product”

Features:

* Creation of a new shopping cart
* Supporting how to “write a comment
* Entering Shipping methodology for vendors
* Asking sellers to hook up their bank accounts with amazon’s
* Allowing sellers to enter their product information.

Of course, I have only listed names of use cases/stories above. You have to describe each one of them completely in English to provide all the steps that user has to take to complete her objective.

----------------------Write below---------------------------------

|  |  |  |
| --- | --- | --- |
|  | Story | Best when user is mobile or on desktop? |
| 1 | To login and view different tabs/sections | Both |
| 2 | To communicate with each other by the way of a forum chat so that every member can see and respond if they wish. | Both |
| 3 | The ability to start a group and invite members to that group to discuss car related matters privately. | Both |
| 4 | To publish items for sale/trade | Both |
| 5 | Upload self-helping videos of other members to see if searched | Desktop |
| 6 | To view sample help videos and suggestion if not a member and view full details if a member and signed in. | Both |

Now select three stories out of the above that you will focus on first. These stories should be the ones that are most important to the business and its clients. They should not be picked because they are easy to implement.

|  |  |  |
| --- | --- | --- |
|  | Story | Best when user is mobile or on desktop? |
| 1 | To communicate with each other by the way of a forum chat so that every member can see and respond if they wish. | Both |
| 2 | To publish items for sale/trade base on the specific cars it’s made for | Both |
| 3 | Upload self-helping videos of other members to see if searched | Desktop |

# Deliverable 4: Features [7 points]

Carefully think about all the features that the website of your business will need to implement the three stories you selected above. Features are smaller actions that users do on the website to complete one story. The purpose of this exercise is to

provide a list and briefly describe each feature. It is important to distinguish between “static” content and “dynamic” content. Feel free to add more rows to the table.

Static Content is usually for informational purposes only and users cannot provide or upload their own information or media.

Example: all of the content on [www.fau.edu](http://www.fau.edu) is static.

Dynamic Content allows users to interact with the website.

Example: FAUNet ID and password on <https://myfau.fau.edu/cp/home/displaylogin> are examples of dynamic content.

----------------Write below----------------------------------------------------------------

|  |  |  |
| --- | --- | --- |
| Feature | Static/Dynamic | Business Goal(s) it benefits. Just enter the number of the gaol it helps. |
| 1.Allow members to interact with each other (forums) | Dynamic | 1 |
| 2. Allow members to publish items that they have up for sale/trade. | Dynamic | 3 |
| 3.Upload videos | Dynamic | 2 |
| 4.login into their account | Dynamic | 1 |
| 5.send messages to a member(s) | Dynamic | 1 |

Part 2 [20 points]

Acknowledgment: Some ideas and text in this part come from [Dr. Oge Marques](https://www.linkedin.com/in/ogemarques/)

## Procedure:

1. Read the server setup instructions and follow the recommended steps carefully.
2. Create a directory called “p1” under public\_html directory where this project will be loaded.
3. Choose (and adopt) a contemporary editor, e.g. Brackets or Atom.
4. Download the [Starter Template](http://materializecss.com/templates/starter-template.zip) from <http://materializecss.com/>
5. Modify the template (just a single page with no other links) and make sure that you clearly show the three user stories on this page (you can modify the text, images, links, videos, buttons, etc.).
   1. Hint: Test your page after every significant change / addition.
6. Once you’ve reached a point where your page is complete and fully functional in the browser of your choice (Chrome, Firefox), prepare the final package (single zip, all that is needed, and nothing else).
7. Submit the final package via Canvas.
8. Upload all that is needed (with the entire template downalod and any associated images, etc) to your public\_html/p1 directory of the lamp.cse.fau.edu server.

## Minimum requirements:

1. Your page **must** **be your own work**. If you use a site, textbook example or any other source as “inspiration” or starting point, please make a note of it.
2. Your page should contain ***meaningful* text, images, links, etc.** (not just *lorem ipsum* filler text)
3. Refrain (for now) from using fancy / advanced tools, libraries, etc.

## AQs about this Project:

(HW related questions that do not belong to any specific problem above can be posted below as comments below. Highlight an available number and place your question as comment See example 1 below).

1. [↑](#footnote-ref-1)