**Milestone #5**

**Version 1**

Mandatory class presentation - TBD. Mandatory in class demo and grading -TBD. Deductions for late submissions is 10%/day, up to a maximum of 2 days.

**Overview**

You will work **IN A TEAM OF 3 OR 4 PEOPLE** and build on top of the previous Milestone: ASP.NET MVC 5 web application (with Razor View engine) for a fictitious bicycle manufacturer.

**Add new features to the current project**

|  |  |  |
| --- | --- | --- |
|  | **Feature name** | **Feature description** |
| **Person 1** | Responsive & Mobile Friendly website. | Using Bootstrap and Chrome Developer tools: Device Mode & Mobile Emulation |
| Slideshows | Beautify the content with a slideshow on the main page, bikes and gear page. Pictures can be from the database or from a Pictures folders. |
| Social Media Integration | Add social media icons with links to:   * Company Facebook page * Twitter account used for promos, news and sales advertising |
| **Person 2** | Manager login | Modify web app with manager log in, email confirmation and password reset. Manager page gives access to add/remove/edit features on bikes **and** gears. Form error validation must be present for both the login page and the creation of bikes and gear page. As in Milestone 3.  Reference: <http://www.asp.net/mvc/overview/security/create-an-aspnet-mvc-5-web-app-with-email-confirmation-and-password-reset> |
| Static pages | About us: add pictures and 100 words description.  FAQ: Identify 4 question and answer them. Inspire yourself from real FAQs. |
| **Person 3** | Product details page | Create a good product details page showing all the important information. Ex: [http://www.trekbikes.com/ca/en/bikes/mountain/cross\_country/top\_fuel/top\_fuel\_9/#](http://www.trekbikes.com/ca/en/bikes/mountain/cross_country/top_fuel/top_fuel_9/) |
| Search Bar | Direct search on all bikes and gears: “Enter keyword or item #” Shows a list finding similar product matching the name.  Example: <http://www.canadapartsonline.com/>  Reference: <http://www.asp.net/mvc/overview/getting-started/introduction/adding-search> |
| **Person 4 or anybody in a 3 person team** | Product Reviews | Anonymous reviews on the details page: Input: Stars 0-5 or percentage 4/5, Name, Review.  Similar to: <http://www.trekbikes.com/us/en/power_reviews/top_fuel_9/review/>  **VERY IMPORTANT:** If you are a 3 person team and your project doesn’t have a Product review then the whole team is penalized by 20%. The person that did the Product review feature will receive 20% extra and the group is not penalized. **Only in a 4 person team:** Also add possibility to add review by Facebook. |
| **Group Bonus (20% of milestone)** | Add a shopping cart | Reference: <http://www.asp.net/mvc/overview/older-versions/mvc-music-store/mvc-music-store-part-8> |

**Create a User Requirements Technical Document**

*Create the user requirements document* ***BEFORE*** *coding.* Sample user requirements technical document is on Lea.

Each team member working on a feature, needs to write a user requirement technical document which explains the feature they have created. This technical document is to be read by the end user of the website, not a developer.

Address these topics:

* What is the feature? Break it up in smaller tasks.
* Why do you have this feature?
* How to use it or see it working. Use snapshots and numbering steps.

Person 1 (doing the slideshow), or somebody else chosen by the group, will take everyone’s technical document and make it look presentable into 1 single technical document per team:

* use a common font and writing style (bold, italics, etc)
* create a cover page showing:
  + the milestone number
  + member names
  + creation date
* add page numbering

**Evaluation scheme**

Feature working code is 60% of your individual mark.

Clear User Requirements Technical Document is 40% of your individual mark.

You are evaluated individually for the feature you must implement: 70% of your mark.

You are also evaluated as a group for everyone’s completed tasks: 30% of your mark.

The formula is for a 3 person group:

*Your grade on 10 \* 0.7 + (your grade + grade person 2 + grade person 3) / (number of people per team) \* 0.3 = Final grade on 10.*

Example: You got 10/10 on it, overall you have 7/10 marks accumulated.

Your teammates have received each 7/10 and 9/10. Your group’s average is: (7+9+10) / 3 representing 30%. Thus your final grade is: 10 \* 0.7 + (7+9+10) / 3 \* 0.3 = 9.6/10 for this milestone.

The same formula is applied in a 4 person group:

Your grade on 10 \* 0.7 + (your grade + grade person 2 + grade person 3 + grade person 4) / (number of people per team) \* 0.3 = Final grade on 10.

In this way you are 70% responsible for your content and 30% for the wellbeing of your group. You want your group to succeed and should participate for that end.

VERY IMPORTANT: If you are a 3 person team and your project doesn’t have a Product review then the whole team is penalized by 20%. The person that did the Product review feature will receive 20% extra and the group is not penalized.

**Requirements & Deliverables**

**Monday November 23rd: All teammates must be present to demo their project to the class. After the demo, the class and the teacher will provide constructive feedback to improve the project, if need be. The team will improve their project with the received feedback during the class time. The teacher provides no grade yet.**

**Wednesday November 25th: The team having implemented the feedback, will demo privately to the teacher. At this point, the teacher will grade every portion individually and give grades.**

**Your application must meet the following requirements:**

1. **All team members must test everyone’s features and provide constructive feedback to the teammate.**
2. **Submit 1 technical document per team.**
3. **Submit 1 project per team on Lea. In the comment, write who are all the team members.**
4. **Not presenting or not demoing on time and in class is automatically -20% for each day.**

**Deliverables**

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* **Compress the Milestone project folder and submit on Lea. If the zipped file is bigger than 25MB then: use 7zip compression level Ultra and split to volumes of 25 MB each. It will create 2 or more 7zip files. Upload one by one on Lea (limit per file is 25 MB).**
* **Demo in class to receive feedback.**

You are to keep your entire project (along with your .mdf) in one folder. Compress this entire folder into a ZIP file (retain the tree structure please!) and submit this on LEA