

CPSC 430 Gusty.Bike Requirements Checklist

Section 2

Highlighted Requirements have been met.

1. Functional requirements

The following outlines the functional requirements of the system.

1.1 - Blog-posting

Description: Client will be able to post both text and picture content to the website, where it will be publicly displayed on the homepage. The blog will support Markdown syntax for special formatting. After a post has been made, the client will be able to edit the text and pictures of the content afterwards, and also delete the post altogether. Commenting by the users/viewers of the site shall be disabled.

1.2 - Blog Search

Description: Any viewer will be able to search the website for other content within the host site.

1.3 - Admin and User Logins

Description: The client will be provided with an option to login to the website with administrative privileges. They will have the option to manage their own username and password for the website. The client/admin will also be given the option to create separate usernames and passwords for other users. The other users created by the administrator will not have the privilege of changing their username or password, and will not be granted administrative privileges.

1.4 - Contest Hosting Service

Description: The client will be able to host student contests, where students with login credentials can participate in either within or outside of

the website's framework. The client will be able to post content questions or prompts that can be seen and answered by the student users.

1.5 - Contest Student Submission

Description: The users will be presented with the question to be answered, provided by the client, and will answer them within the website.

1.6 - Add Site Content Page

Description: The client will be able to add pages to the blog to separate blog posts according to their functions. For example, a page category could be programming, bikes, or family, or any page the client chooses to add. These pages will create a new page which will host all of the blog posts in that particular category.

1.7 - Image Slideshow

Description: The client will be able to add images to an image slideshow featured on the homepage, for everyone visiting his site to view.

2. General constraints

The following non-functional requirements describe other constraints on the system that are important to the client, such as his need for ease of use, a flexible budget, and the site hosting.

2.1 - Ease of use

The website's features will be simple enough that the client will be able to figure out how to use it within an hour. This will be done with a user manual written by the implementation team describing the structure of their code, and providing further resources on how to use the software they chose and/or coded in.

Rationale: The client needs to be able to quickly and easily add content to the site without much hassle. The website will be easily accessible to the client and easy for him to maintain in his free time.

2.2 - Cloud hosted

The website will be hosted on some cloud based platform. Currently, the client deploys his other websites through AWS, though he is open to other cloud hosting options to best suit his needs.

Rationale: Hosting the website on a cloud based service allows the site to be persistent and allows it to be easily maintained and updated by the client.

2.3 - Budget limit

The website's budget will be flexible at around \$100 per year. This amount may be negotiated further with discussion with the client.

Rationale: The client is willing to pay for a good quality website that will provide him with the features and ease of use that he needs. Currently, the client pays around \$100 per year for his websites on AWS as a reference point, though he is willing to pay more or less for a better alternative.

2.4 - Logo

The website will include the client's logo. See appendix 6.3.1 for the client's logo.

Rationale: The client wants his logo to be displayed somewhere creatively on the website, to be seen by all who view it. His son created the logo and he is proud of it.

2.5 - User manual

The client would like to receive a user manual that will instruct him on how to use the system and update the system. This will instruct him on how to perform functions related to posting on his blog and setting up programming contests with the system. This manual will also contain details about the implementation and software the team has used for the project, so if updates need to be made to the system, then the client, as someone with knowledge of computer science, will be able to update it in the future.

Rationale: The client needs the website functionality to be easily accessible to him, and would find it helpful for a manual to be included for his convenience. He values having input with the implementation team and is very interested to see the technologies they use to implement the website, which he could expand upon in the future.