Portfolio Project Proposal

Problem Statement

The current website, <http://lacamasfair.org/>, needs to be modernized. The current website is not mobile friendly, and is hard to navigate to the right information, especially with broken navigation links. The site must stay lightweight due to the internet speeds are not always the best in the area near the fair. Each page has to be manually updated by the client which is very tedious. There is currently no ability for ads to be displayed

Hosting Costs

Budget for hosting is $20/month maximum, but costs need to be kept as low as possible.

Hosting will be done through Microsoft Azure and Azure Web Apps to create a solution with high availability and with no server administration or maintenance required. At a bare minimum for the proposed solution the client will require:

1 web server with custom domain Approx. $10.00/month

1 SQL Server database to store data Approx $5.00/month

Bandwidth, file storage, misc. Approx $5.00/month

Estimated monthly hosting cost Approx $20.00

Web traffic is currently unknown by client, but they have 300-400 exhibitors for the fair, plus website visitors. Their [Facebook page](https://www.facebook.com/pages/category/Community/Lacamas-Community-Fair-227437937409797/) has 871 followers and has a lot of pictures that could be used for the website gallery.

Development

Work Breakdown Estimate – Custom Site (305 hours)

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| --- | --- | --- |
| **Unit of Work** | **# of hours** | **Description** |
| User Interface/Graphics Work | 20 | Create site layout and graphics to give a more modernized feel and experience. |
| Create streamlined navigation | 10 | Gather information on current navigation and group features and content to increase ease of finding information for user. |
| Port existing website | 24 | Get current website information and move over static pages. |
| Rental facility page | 30 | Create functionality for users to view calendar of currently booked dates, and then book their own dates accordingly. |
| Advertisement addition | 30 | Create ability for admin to place advertisements on pages easily. |

Total Development cost: 114 hours @12.50 = $1,425.00

GitHub will be used for source control, issue/work item tracking and bug tracking.

Repository is located at <https://github.com/CPTC-CPW/LacamasWebsite>.

Currently working alone, but can easily be collaborative.

Client: Lacamas Community Fair

Sample: Basic Use Case diagram

