Planning Document

Website development for freedom teams

Scenario:

Freedom teams recently received a generous donation from an anonymous donor earmarked for the purpose of developing a new website, which I volunteered to develop for 50$ hr, alternatively I could work for free but for the purpose of this project I have to monitor my expenses and labor is included in that. They wanted a better designed and more reliable website. I suggested hosting the website through Amazon to save money by not going through a hosting company like Wix which is what they currently use. Freedom teams wanted at least a portion of the web page to be editable so that they could update the users on their prayer requests.

The website is needed to first save money, even though it's a small amount per month for a faith based organization the ease of the monthly burden to just a few dollars is helpful. Second, a better designed website will hopefully draw more users or get current users to spend more time on the website which could help further the mission of freedom teams. Third is that they deserve a better website. As christians we should help our brothers especially when their need corresponds with our area of expertise.

Requirements:

1. The website shall load without any coding error that affects the user experience. Y
2. The website shall contain an admin page for adding new content to the prayer request and adding images. Y
3. The website shall contain a prayer request page that's content is customizable.
4. The website shall have at least 1 viable CSS layout. Y
5. The website shall have at least 2 CSS color schemes.
6. The website shall have access to a mysql database for storing the editable content. Y
7. The website shall contain at least all of the pages of their old website.
8. The website’s layout shall form to fit both pc and mobile devices screens.
9. The website shall be able to interact with the mysql database using php.Y
10. The website shall use javascript to animate certain sections of the website.
11. The website hosting and database shall run on a linux machine, hosted by AWS.
12. The website shall include a payment gateway for handling donations.
13. The website shall include interconnections to other pages on the website.
14. The website shall have a photo gallery.
15. the website’s photo gallery shall be able to be added too.

Goals:

1. The website shall be accessible from the internet without being on a specific network.
2. The website shall be cheaper to host than their current solution.
3. The website’s photo gallery should be able to be rearranged.
4. The website should have a reserved domain name.
5. The website should utilize parallax effects.
6. The website should have Multiple CSS Layouts.
7. The website should have multiple color schemes besides light and dark
8. The website should have a secure messaging feature.
9. The website should take major steps to avoid sql injection.
10. The website should have multiple payment options. venmo , cash app.

Scope:

1. The website should not have more than 3 pages that have editable fields through the website
2. I should be careful of doing to much design before the website has full functionality
3. The Website should not contain any actual payment or sensitive personal information.
4. The website should not have any completely editable pages
5. The website should should limit user editing to plain text and images
6. The website should first attain full functionality before major design options are attempted barring at least one viable layout.

Cost estimate.

* Small Amazon charges for the pay as you go extension of the free tier. Likely less than $5 a month.
* $10 a year for reserving the domain name.
* Should expect to spend around 200 hours give or take on the project at $50 an hour. Total $10,000. This payment is one time and should be distinguished from the other 2 expenses

Schedule:

* Senior Project 9/13
  + Write HTML pages due 9/17
  + Setup My sql server due 9/24
    - Get at least one working editable field 9/24
    - Completed editable page 10/1
    - Admin page secured 10/8
    - Able to add images to gallery 10/15
  + At least one good looking CSS layout and color scheme 10/22
  + Set up hosting server 10/29
  + Reserve domain name 11/5
  + Add several CSS layouts 11/12
  + Add messaging / troubleshooting 11/19
  + Scott & Lynn DeGroff