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| **[3DiF - Roadmap & Estimations]** | | | | | |
|  | | | | | |
| **No.** | **Features List** | **PL**  **Comments** | **Client Dependencies** | **Est. Days (Web)** | **Client Comments** |
| **Module 1 - Project Understanding, Planning, Initiation and Basic Architecture (Full Stack, PHP—which version)** | | | | | |
| 1.1 | Code Setup | Base code and test environment |  | 1 |  |
| 1.2 | Baseline Application Architecture | Layout, mobile responsiveness |  | 4 |  |
| 1.3 | Network Architecture | Menu routing and navigation |  | 1 |  |
| 1.4 | Database Models | None |  | 0 |  |
|  | | | | | |
| 2.1 | Landing / Homepage |  |  | 1 |  |
| 2.2 | Contact Us 🡨 finished as part of GO LIVE Stage 4 |  |  | 1 |  |
| 2.3 | About Us |  |  | 1 |  |
| 2.4 | Employee Wall |  |  | 1 |  |
| 2.5 | What We Do |  |  | 2 |  |
| 2.6 | Capabilities Statement |  |  | 0.5 |  |
| 2.7 | Past & Present perform |  |  | 0.5 |  |
| 2.8 | Our Clients |  |  | 1 |  |
| 2.9 | Communities We Support |  |  | 1 |  |
| 2.10 | Sitemap |  |  | 0.25 |  |
| 2.11 | Privacy Policy |  |  | 0.25 |  |
| 2.12 | Terms of Use |  |  | 0.25 |  |
|  | | | | | |
|  | | | | | |
| 3.1 | Server Setup (Current hosting MocaHost) 🡨 Recommend Vercel | This is for Live server setup. | Require ? account | 2 |  |
| 3.2 | Load Balancer / Auto Scaling Setup | Effort for Module 3 tasks is included in team plan for the devop. |  | 1 |  |
| 3.3 | Alarms setup in case of downtime | Sendgrid account is needed | 3 |  |
| 3.4 | Pipeline and code encrypting 🡨 No encrypting because no database access. |  | - |  |
| 3.5 | IPS/IDS configurations <- Do you want to limit access based on IP? |  | - |  |
| 3.6 | Fail2ban configurations for prevention from DDoS attacks 🡨 Vercel handles |  | - |  |
| **Questions** | | | | | |
| 1 | Will you assist in the admin side of this application as well? I provide 30 days of admin support without a support contract included in development fees. | | | | |
| 2 | Do you have experience in Azure, GoDaddy Dedicated Server? I have experience with both. | | | | |
| 3. | What is your timeline and schedule to complete within 30 days? Please provide process and schedule (development, reviews, implantation go live)  4 Stages to GO LIVE (NextJS application) - $2,500  $500 to start  Stage 1 – #1.1 thru 1.4  Stage 2 - #2.6 thru 2.12 ($500 do upon sign off)  Stage 3 - #2.1 thru 2.5 ($1,000 do upon sign off)  Stage 4 – #3.1 thru 3.6, GO LIVE in production (final $500 when deployed)  Following 30-day hands on support to cover any errors and minor content changes.  180-days of support for any coding errors. | | | | |
|  | **Warranty or Issues, Refund, Maintenance?** | | | | |
|  | If issues are found after the implementation and launch, will you cover any coding or errors? Yes. 30 days after for errors and minor content changes, 180 days after for coding errors. | | | | |
|  |  | | | | |
|  | Will you review the coding standards and database architecture? Yes, but no database required. | | | | |
|  | Will you move the code into GIT for version control (if not already happening). Yes, I use GIT during all development. | | | | |
|  | **Security** | | | | |
|  | Will you conduct Implementation of form validation on both the frontend and backend sides. Yes, form validation will be handled on both ends for contact form. | | | | |
|  | Implementation of SQL injection prevention. Yes, except there is no database integration so no SQL injection possibility. | | | | |
|  | Will you use highly available server architecture to keep the website running even if any single server went down. Hosting handled by Vercel and accounts for server downtime. | | | | |
|  | Will you develop Implementation of auto-scaling on the server to handle high traffic and cost optimization? Hosting handled by Vercel will handle everything you need no matter what. | | | | |
|  | Will you setup and use alarms and notifications if any downtime occurred on the application. No downtime expected, but notifications will be sent out by Vercel if there is a server issue. There won’t be any issue with the actual website. | | | | |
|  | Having penetration testing on the website and doing enhancements as per the test results. DDoS attack prevention handled with Vercel hosting. | | | | |
|  | Implementing encryption and site lock on the website. Yes, this will be implemented. | | | | |
|  | Implement IPS/IDS configurations. Can implement IP-based access if you need. | | | | |
|  | Configure Fail2ban configurations for prevention from DDoS attacks. DDoS attack prevention handled with Vercel hosting. | | | | |
|  | Implementation of web server security. Handled with Vercel hosting. | | | | |
| **Total Engineering Days** | | | | **21** |  |
| **Weeks** | | | | **4** |  |
| **Total Team Hours (Per Week)** | | | | **20** |  |
|  | | | | | |
|  | | | | | |

1. List Findings from our current website: [www.3dif.co](http://www.3dif.co)
2. Complete below:
3. Your proposed team and Estimated hours

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | | |
| **[3DiF - Team ]** | | | | |
|  | | | | |
|  | **Role** | **Count** | **Estimated Hours/Week** | **Tech Stack** |
|  | Project Manager | 1 | 4 | NextJS (ReactJS framework, latest and greatest) |
| UI/UX Engineer | 1 | 10 |
| Frontend Engineer | 1 | 8 |
| Backend Engineer | 1 | 2 |
| SQA | 0 | 0 |
| DevOps | 1 | 1 |
| **Estimated Cost** | | | | |
| **Estimated time of completion** | | | | |

1. **List Ideas such as:**

* ~~Upgrade the PHP version to its latest version.~~ Moving site over to the latest and greatest technology, NextJS, a ReactJS framework for full stack web applications.
* Resolve design issues as well as upgrade the design to a more appealing one.
* Upgrade/modify coding standard (we need to review the code for this).
* Use a framework instead of a core PHP to make this application more secure, robust, and up to the latest standards. Will be using NextJS.

1. Draft Scope of Work:

[www.3dif.co](http://www.3dif.co) 3DiF.co

Update and upgrade to include security, CMMI and NIST compliance.

Update all pages with the exception of <https://portals.newhorizons.com/3dif/3dif-course-search>

Replace training tab with new tab---career’s page (Is this a 3rd party hosted page like the training tab currently is?)

List security measures to prevent the following: All of these will be handled. Most will be handled because there is no database usage, DDoS handled by hosting provider, MitM is handled by SSL, and the rest are not applicable because of no database thus protected against OR they apply to user error and not website error.

