Team HRR

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The following features are rank from highest priority to lowest. This is currently base on the 30% of the project.

1. Requirement Form

* This will contain the functionalities for the Requirement Forms.
* This will contain the viewing, creation, updating and deletion of forms.
* This is a high priority as this is one of the main functionalities of the system for getting the requirements needed for applying or renewal on the scholarship program.
* The record generated here are necessary for the future development of statistics on the application.

1. Scholar

* This will contain the functionalities for the Scholar accounts.
* This is a high priority as this is one of the main entities on the system.
* This will contain the viewing, searching, creation, updating and deletion of Scholars.
* The scholars are one on of the main beneficiaries of the system as this will enable them to find and apply eligible scholarship.

1. Scholarship

* This will contain the functionalities for the Scholarship Program.
* This is a high priority as this is one of the main entities on the system.
* This will contain the viewing, searching, creation, updating and deletion of Scholarship Program.

1. Scholarship Officer

* This will contain the functionalities for the Officer accounts.
* This is a high priority as this is one of the main entities on the system.
* This will contain the viewing, searching, creation, updating and deletion of Officers.
* The officers are one on of the main beneficiaries of the system as this will enable them to easily handle the scholarship program as well their large numbers of scholars and applicants.

1. Dashboard

* This will display charts or data visualization regarding on the system.
* This will be a medium priority as this visualizes the records from the database that has been generated.
* Only some of the visualization will be added for now and this will be increased as the system development progresses.

The following technologies used on the system is rank from highest priority to lowest.

1. PHP

* Server-side scripting language.
* Used for the Backend Development of the application that dictates the behavior at the server.

1. JavaScript

* Text-based programming language used both on the client-side and server-side on web pages.
* On our development process, JavaScript will be used only on the frontend development as the PHP will be used for the server-side.

1. MySQL

* Relational database management system based on SQL – Structured Query Language.
* This be served as the database of the system where the records are going to be stored.

1. CSS

* Programming Language for Frontend.
* Language use to style an HTML document.

1. Laravel

* PHP based web application framework with expressive, elegant syntax.
* We selected Laravel as backend framework of the system for a faster and easier development as there are tons of already made features ready to be used.

1. Livewire

* Full-stack framework for Laravel that makes building dynamic interfaces simple.
* A component to be used for an easier ajax request to decrease the times on reloading of the page.

1. jQuery

* Fast, small, and feature-rich JavaScript library.
* Used for a much easier JavaScript programming.

1. Bootstrap

* Free and open-source CSS framework directed at responsive, mobile-first front-end web development.
* Used for faster styling and making of webpage design.

1. Font awesome

* Scalable vector icons that can instantly be customized — size, color, drop shadow, and anything that can be done with the power of CSS.
* To be used for having a simple and vast collection of icon to be implemented at the display of the webpage.

1. Sweet Alert

* Uses promises to keep track of how the user interacts with the alert. Replacement for JavaScript's 'alert’.
* Used for elegant alerts and modal confirmation of the application.

1. TCPDF

* Open-Source PHP class for generating PDF documents.
* Used for generating pdf reports of the application.

1. Chartjs

* Simple, clean and engaging HTML5 based JavaScript charts.
* Used for descriptive chart visualization of records coming from the database.

1. Livewire-Sortable

* A plugin/wrapper around sortable package.
* This makes implementation of sortable interfaces super simple using Livewire.

1. Visual Studio Code

* Code editor redefined and optimized for building and debugging modern web and cloud applications.
* This is the text editor to used for web development as it has many extensions ready to be used and install like having an integrated git interface and extensions for Laravel syntax and commands.

1. Google Chrome

* Cross-platform web browser developed by Google.
* For webpage visualization and development with the used of developer tools.