Synopsis
On

Warf Engine

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0.1 Abstract

WarfEngine is an open source platform for developers to create enterprise level web application in MERN stack. This platform already contains components like user management, roles management, module management, access management, content management with production ready setup which helps developers to develop their application in minimum cost.

0.2 Novelty Of The Project

Big Companies like Wix, Wordpress etc. give a User-friendly interface to make website as per the client use. They use old tools like PHP, MySql etc to build the website. But as the technologies and tools are upgrading, new modern tools have came to market which are more efficient, fast, easy to use and many more. So Warf Engine, is a platform which uses the latest MERN technologies to build the websites more efficiently and easily.The difference are:

- MERN Technologies to build website

- Image Password matcher which are more secure and easy to use

- A component based structure to make the editing of the website easier

0.3 Introduction

WaftEngine is an open source platform for developers to create enterprise level web application in MERN stack. This platform already contains components like user management, roles management, module management, access management, content

management with production ready setup which helps developers to develop their application in minimum cost.

Features

- WaftEngine core features include:

- User Manage and Login flow

- Role Manage

- Module Manage with Access level Definition

- Access Management associated with roles

- Email Template and settings

- Media Manage and server side processing

- Error handling and log Management

- Authentication and Authorization

- Content Management

- State Management using redux

- Development ready setup

- Production ready setup

- Since anything in our codebase can be extended, overwritten, or installed as a package, you may also develop, scale, and customize anything on our platform.

0.4   Proposed Methodlogy

- React JS – Front End

- Node JS – Backend

- MongoDB – Database

0.5 Scope of project with Software Requirements

For Development :

- Code Editor like Visual Studio Code

- Node js and npm for Windows, linux or macOS. https://nodejs.org/en/downl

- MongoDB Server Installation (https://www.mongodb.com/) or a hosted mongo server instance like mongodb atlas, mlab, or similar.

- Browser with dev tools :- Chrome/firefox with extension React Developer Tools and Redux DevTools

  For Production :

- Server with Node Setup

- MongoDB Production Server

- Domain Management

- Reverse Proxy Server like Nginx etc.

0.6 Functionalities

- User Manage and Login flow
    The following features are available:
    - Adding user
    - Deleting user
    - Viewing user details
    - Reseting user password

- Role Manage

  - Add role details

  - Edit role details

  - Delete role

  - Enable or disable role

- Module Manage with Access level Definition

  - It's a set of objects that define a governance risk and compliance environment. The object in a given module are related to one another but they are independent of objects in other modules. Users can create models that define risk develop controls from those models and run controls to identify incidents.

- Access Management associated with roles

  - Admin can access roles assigned to each registered user in the organization

- Email Template and settings

- Media Manage and server-side processing

  - User can manage all the media and server-side processing right from the dashboard.

- Error handling and log Management

- – Error logs are easy to handle. In case the error can't be resolved by the user. We also provide Live chat help support.

- Authentication and Authorization

  - – All the users that can access the dashboard are authenticated with our secure database and server.

- Content Management

  - – All the content can be managed and handled by our dashboard.

- State Management using redux

  - – The Component state will be managed separately using redux tool which makes it easier to manage the application.

- Development ready setup

- Production-ready setup

- Image Password Protection

0.7   References

- https://dev.to/

- www.wikipedia.org

- www.github.com

- http://www.idc.iitb.ac.in/

- www.overleaf.com