IC Web-Platform

Initial Site Plan

Table of Contents

Overview

The purpose of this application is to ease , arrange and save the work in safe place. This web-application is mostly dealing with Google APIs such as Sheets, Drive and Docs. The main goal is to make it easy to deal with huge database that based on Google Apps. It is like making a website that its origin database is Google Sheets, For example we could work whether in Google apps or natively in the platform.

Moreover, it's going to have an Enterprise Resource Planning (ERP) system for handling Institute internal operations, we talk specifically on Human Resource Management, Projects Management and accounting. Again most of work already implemented in Google Sheets, even the accounting and its analytics.

In addition, it should have ability to make features that is sometime not founded in Google Apps, like collecting the a specific data from a sheet and displaying in dashboard, or give finance analytics ...etc.

Guidelines

- The plan written in short points,with examples, some of them not completely decalread.
- There is phases for some main points, means we could work in order for ease.ex P2
- The plan described with no knowing of the web platform principles and limitations.
- The ideas be implemented/changed in any proper way to the programming language or platform.
- Maybe some of the ideas can not originally being implemented in written way.
- Maybe some of the ideas take so much time and not that beneficial we could discuss it.

ERP system

The system in simple phrase will handle the registration process, user info, permissions..etc, and all the users info will be used in the other components of the application in points:

Human Resource Management

- User Registration and authentication.
- Add/Remove/Modify the registration fields.
- Have basic fields types like text, drop menu, radio choose and etc.
- Have auto and manual account activation.
- Send mail verifications
- modify user information for admins.
- "Tag" the user with one/many tags
- Add/Remove/ Modify roles and control the permissions.P2
- Permissions be connected with user "Tags". P2
- Permissions have standard ability like "View Only","View and Comment", "View and Add", "View and Manage". P2
- Pages permission be linked to specific tags and roles.P2
- Have User messages box. P2
- Send general advertise and pin it.P2
- Have notification, and user choose to deliver it also to email.P2
- Send SMS verifications. P3
- Exports the contact in vCard or CSV. P3

Projects Management P4

This is just like to-do apps, its handle the discussions , tasks, and shared files, like forums. could have benefit from https://proofhub.com/

- Add/Remove/Modify project topics, tasks and discussion forums.
- Each project topic could have tasks and forums.
- All Tasks are in lists be assigned to users, by whole list or by each task.
- Have a private tasks/discussion with an user.
- Assign tasks/discussion by "Tags" or user attribute by its contact info.
- Tasks have all the basic functionalities like scheduling, repeating, labeling .. etc.

Accounting P5

This is the last part of ERP systems, its handle all the finance works like incovice and salary.

- A simple salary system, that attached to the users and record all the past.
- Add notes on the current/future/past salary.
- Have simple currency conversion.
- Choose payment style.
- Dashboard for the accounting analytics.
- Full invoice/bill managements.
- Property management.

Google Apps Managing

This is the most want and important part of the system. In other words. its handle all the the process of google applications but by simple Web UI, and the platform could use it as its own database or use a native database.

Google Sheets

- Import any G sheet to a web page.
- Fully functional forms builder.
- Make submission to a sheet by the website forms.
- Control and Add/Remove/Modify the columns that can submit to.
- Select which column and row should be displayed.
- Restyle the sheet within the platform.
- Import the sheets style.

Google Drive

- Make web page with shared Drive files to be browsed
- Control sharing by two ways:
    1- Give permission for a file to a user/contacts emails directly.
    2- Give permission to to web page that have file drive.
    Both way will have permission in its email.

Google Docs

- Link Docs with web page.
- Being able to export and download.
- Have ability to be inside components.

FAQs System

It is like any other FAQs, the difference is need to be compatible with user tags and permissions.

General

- Have all the basic functionalities of FAQs systems.
- Easily found the questions branch by breadcrumb.
- Have a great and fast search engine that predict from the exist questions.
- Ability to add translation to the questions and answers.P2
- The translation can be found from any language ex. by drop menu.P2
- Ability to export the question or list of questions to PDF.P3
- Ability to make global questions that can discovered by other brand that use the platform.P4

Questions

- The user have ability in asking, answer, comment according to its permissions.
- The question box have a full editing functionality like any other platform ex.Wordpress.
- The question can labeled and tagged and directly displayed to the proper place.
- Can share the questions or answers to Social media platforms.
- Can copy the answer or the question with one click.

Other Considerations

- The project should work with agile software development approach.
- We are looking for Long-term Survivability developing.
- MUST BE fully responsive to mobile devices.
- Could easily implement mobile application in future.
- Security, Security and Security.
- Have simple and editable Front-End.
- Simple, clear, and big buttons UI/UX design and style in Back-End.
- The whole platform can translated.
- This site going to be used initially by RTL languages (Arabic).
- Could offer Arabic translation from our side.
- The source code must be shared with us.
- The code should be clean and understandable, prefer with comments.
- No problems in taking advantage from already made framework or applications, Like FAQs system.
- The system can be copied, rebranded and used again.
- Could offer learning for our developer in website code management.
- Prefer One time payment, and hourly contract for maintenance and safety insurance.