Holiday Request System

# Customer Requirements

An easy-to-use holiday rest system. It would initially comprise of a single login page which would take you to one of two pages:

A “staff” user log in which contains the following:

* Display the number holidays they were given at the start of the year
* How many days they have left
* Any up-and-coming holidays (this can be a list or calendar)
* A form to request a holiday, this should have:
  + Start Date
  + End Date
  + Number of Days Requested
  + Reason for Holiday

An “administrator” which has a simple interface to list and edit staff (CRUD), and authorise holidays:

* List/Add/Edit a staff member:
  + Set up a username, password, holiday allowance days
  + Edit the users details (password, holiday days)
  + Delete a User
* A list of all Holidays, and a button to either Authorise a holiday, or Deny.

Finally, You will also need a Logout Button which will clear the session and take them back to the login page.

# Technical Requirements

The following are must haves:

* Web based system
* Database should be either MySQL or SQLite3
* All code should be clean, remarked and documented
* Users should only be able to see their own details
* Portable and easy to deploy

**Any framework or language may be used.** You can develop it in your own local environment as long as you make it portable (so a local web server with NodeJS, or LAMP/MAMP stack).

**BUT If you need access to an external hosted environment, then please let me know your requirements by 4pm on 22/07/24**

# Proof of Concept MINIMUM Requirements

For the length of time, we are NOT expecting this to be a fully functional site. We need the following to work as a minimum:

* Easy to use interface – which should be eye-catching and simple.
* Staff Page:
  + Show your holidays in a list\* and the days in total and amount left
  + Request a Holiday form:

1. This will check to make sure they have enough days to be able to book the holiday
2. It will deduct the holiday from their allowance and mark it as “Pending”
3. **It will wait to be authorised by the administrator**

* Admin Page:
  + Show all requested Holidays for each user, if ones are pending, have a button to Authorise or Deny:
    - If authorised, it should be displayed as “Authorised”
    - If denied, it will be marked as “Denied”, and the days will be credited back to the staff member.
  + Staff List:
    - Add Staff Member
    - Edit Staff Member

We at this stage do not need to calculate weekends, bank holidays etc, when the users anniversary date is, but if you could explain how these could be added in for future, and at the end explain what other enhancements you would add.

We also do not need the Delete Staff Member for the POC – this can be added if you have time.

It doesn’t need fancy graphics, charts, calendars, etc… but remember **you are showcasing your skills**…. The Requirements above are the minimum required, if you have time, please feel free to add things as you see fit.

**This POC needs to be completed by 3pm on 19th August, where you will demonstrate it.**