

Company Bench Sharing portal

Concept

- This will be a basic portal where one can post any bench (surplus/additional/available) resource and/or pick up a bench resource.
- Resources can be anything like Seating Space, Engineer, Product License, Any Asset (like Vehicle).

Specific Requirements

- Users
 - System will have 2 types of users – Admin and Companies.
 - There should be basic user management done for both users. Username and Password stored in DB.
- For Admin
 - Admin should be able to maintain BenchType/Resource Type.
 - Provide List, Add, Modify, Delete of any Type.
- Companies
 - Create at least 5 company users in the system.
 - Once logged in, the screen should display Bench Available by category/type
 - For example: Engineers (10), Seating Space (23), Product Licenses (5) etc.
 - This can be shown as big icons / cards and big numbers.
 - These numbers are the consolidated numbers of Bench which is submitted (as available) by various Organizations.
 - On click of the icon, user should be navigated to a page where the actual resources of that category are listed out in a table with some details of the resources.
 - There should be a button in the table against each resource saying “Book for Me”.
 - On click of same – the resource should get booked to user (logged in user) and the company name should get registered to that resource.
 - There should be another page/menu where I can see the various resources I have Booked from the system. This also should be a list. In this list – there should be a button called “Release Resource” and that should go back to free pool.
- The various resource details to be stored DB are as below
 - Resource Name, Resource Type (from master table/drop down), Description, Available From (date).
 - System should be able to store who has booked the resource and when.
 - System should be able to have a mechanism where company user can release the resource. The status of the resource should change.
- For company there should be a page where the company can see the list of resources booked and released time to time – this is like a Log Book.

About Technologies

- Frontend: Angular Latest version or React.JS or Android or Flutter or Django Templates
- Backend: your choice (Node, Python, PHP)
- Database: MySQL
- Themes for Reference or Use
 - [Metronic Theme](#)
 - [Able Pro Theme](#)
 - <https://coreui.io/>
 - OR Any other similar free theme available
- Use appropriate libraries – e.g. date picker, data table etc.
- Basic, obvious validations should be in place.
- Database schema should be written in an XLS sheet.
- UI should be decent / good looking.
- Coding standards should be followed so that code is easy to read & maintain.
- Code should be pushed to Git/Git Lab, if asked.