COMPLIANCE REPORT

for

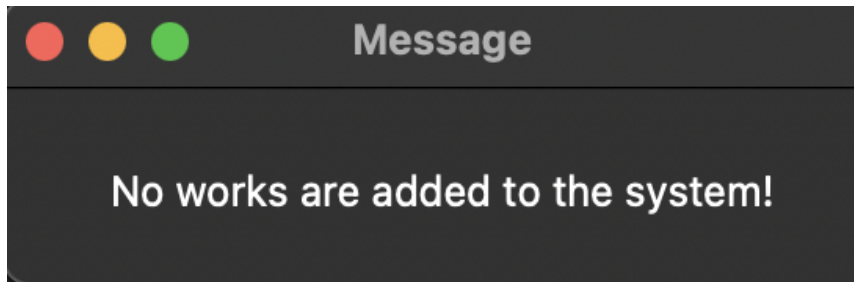# Work Management System

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Testing view edit details of works:

When we haven't added any work details to WMS, then clicking on view-edit details of works shows this message

Testing Add a work:

Details of the work are entered in the given spaces. The entered data is stored in the database

Id	No_of_workers_r...	Start_date	Requirement	Priority	Status	Duration	workers_allott...	no_of_workers_allot...	
▶ 18	2	03/04/2020	Electrician	1	Not Started	0		0	
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	

Testing view-edit details of work:

We have changed the details of the previously entered work, its requirement is changed to 'plumber'.This is reflected in the database

Id	No_of_workers_r...	Start_date	Requirement	Priority	Status	Duration	workers_allott...	no_of_workers_allot...	
▶ 18	2	03/04/2020	Plumber	1	Not Started	0		0	
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	

Testing Add a worker:

Details of the worker are entered in the given spaces. The entered data is stored in the database

Id	Name	Mobile_numb...	Role	Skill_level	Availability	No_of_hours_worke...	works_complet...	
▶ 28	Karthik	9963630153	Carpenter	100	1111	0	None	
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	

Adding another worker to WMS:

Details of the worker are entered in the given spaces. The entered data is stored in the database

Id	Name	Mobile_numb...	Role	Skill_level	Availability	No_of_hours_worke...	works_complet...	
▶ 28	Karthik	9963630153	Carpenter	100	1111	0	None	
29	Ravi	8886366368	Carpenter	50	1111	0	None	
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	

Adding another work to WMS:

Details of the work are entered in the given spaces. The entered data is stored in the database

Id	No_of_workers_r...	Start_date	Requirement	Priority	Status	Duration	workers_allott...	no_of_workers_allot...	
▶ 18	2	03/04/2020	Plumber	1	Not Started	0		0	
19	2	02/04/2022	Electrician	4	Not Started	0		0	
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	

Adding another work to WMS:

Details of the work are entered in the given spaces. The entered data is stored in the database

Id	No_of_workers_r...	Start_date	Requirement	Priority	Status	Duration	workers_allott...	no_of_workers_allot...	
18	2	03/04/2020	Plumber	1	Not Started	0		0	
19	2	02/04/2022	Electrician	4	Not Started	0		0	
20	2	02/04/2022	Daily Labour	3	Not Started	0		0	
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	

Testing Assignment function:

If the user selects a work that has no available workers with the specified role,then a message is shown that works are not available

Testing view-edit details of worker:

Changing the mobile number of a worker and it is reflected in the database

Id	Name	Mobile_numb...	Role	Skill_level	Availability	No_of_hours_worke...	works_complet...	
28	Karthik	9963630153	Carpenter	100	1111	0	None	
29	Ravi	8886366367	Carpenter	50	1111	0	None	
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	

Adding another worker:

Details of the worker are entered in the given spaces. The entered data is stored in the database

Id	Name	Mobile_numb...	Role	Skill_level	Availability	No_of_hours_worke...	works_complet...	
28	Karthik	9963630153	Carpenter	100	1111	0	None	
29	Ravi	8886366367	Carpenter	50	1111	0	None	
30	Aditya	9491063085	Plumber	75	1111	0	None	
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	

View-Edit details of the work:

Changing the start date of the work with id=18,(here by-mistake wrong date was entered ,which we want to change)

Id	No_of_workers_r...	Start_date	Requirement	Priority	Status	Duration	workers_allott...	no_of_workers_allot...	
18	2	03/04/2022	Plumber	1	Not Started	0		0	
19	2	02/04/2022	Electrician	4	Not Started	0		0	
20	2	02/04/2022	Daily Labour	3	Not Started	0		0	
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	

Testing Assignment function:

Here now we select a work with available workers and check the assignment function.Work with id=18 requires 2 plumbers,but only one plumber is available and he will be assigned to the work.

Workers:

Id	Name	Mobile_numb...	Role	Skill_level	Availability	No_of_hours_worke...	works_complet...	
28	Karthik	9963630153	Carpenter	100	1111	0	None	
29	Ravi	8886366367	Carpenter	50	1111	0	None	
30	Aditya	9491063085	Plumber	75	1110	0	None	
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	

Works:

Id	No_of_workers_r...	Start_date	Requirement	Priority	Status	Duration	workers_allott...	no_of_workers_allot...
18	2	03/04/2022	Plumber	1	Ongoing	0	30	1
19	2	02/04/2022	Electrician	4	Not Started	0		0
20	2	02/04/2022	Daily Labour	3	Not Started	0		0
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Here we can see that workers_alloted column has the id of the allotted worker and the availability of the worker is changed.

In the works database, the status of work is changed to Ongoing[If availability is 1111, then it means that the worker is available for all the next four days from today and if it is 1100, this means he is not available after two days from today,i.e work has been assigned to him]

Adding a worker:

If we add a plumber, as a work (id=18) that requires one more plumber is already ongoing,that plumber is assigned to the work (id=18) automatically by WMS

Before adding that plumber, the Works list:

Id	No_of_workers_r...	Start_date	Requirement	Priority	Status	Duration	workers_allott...	no_of_workers_allot...
18	2	03/04/2022	Plumber	1	Ongoing	0	30	1
19	2	02/04/2022	Electrician	4	Not Started	0		0
20	2	02/04/2022	Daily Labour	3	Not Started	0		0
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

After adding the plumber:

Id	No_of_workers_r...	Start_date	Requirement	Priority	Status	Duration	workers_allott...	no_of_workers_allot...	
18	2	03/04/2022	Plumber	1	Ongoing	0	30,38	2	
19	2	02/04/2022	Electrician	4	Not Started	0		0	
20	2	02/04/2022	Daily Labour	3	Not Started	0		0	
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	

If the status of a work is changed to completed, then the availability of workers assigned to that work will be automatically changed to 1111

The number of hours worked by a worker has to be entered by the user,after completion of each work

Below is the format of input of details of workers

Work Management System

Works   **Workers**   **Assignment**

Enter the details of the worker

Name of the worker

Mobile Number

Role

Skill Level

Submit

Below is the format of input of details of workers