

WEEK 10 PROJECT ASSIGNMENT

DESCRIPTION:

You will be modifying the database and PHP scripts as necessary to enable the following processes:

Request a day off: An employee can request a certain day off. Once this is done, that employee can not be scheduled for that day. If a day-off request is submitted and the employee is already scheduled for that day, the day-off request must be rejected. Implement a **requestDayOff** function.

Add an hourly wage to each employee: Note that any employee who works a shift which includes midnight will get paid an additional 20% for each hour of that shift.

Create report: Using any combination of MySQL and PHP, create a report such as the following:

TOTAL STAFF COSTS BY DEPARTMENT, EMPLOYEE TYPE AND SHIFT

DEPARTMENT	EMPLOYEE TYPE	SHIFT	COST
Anesthesia	LPN	7 AM – 3 PM	\$ 24,567
Anesthesia	LPN	3 PM – 11 PM	\$ 18, 546
Anesthesia	LPN	11 PM – 7 AM	\$ 22, 874
Anesthesia	NA	7 AM – 3 PM	\$ 9,764
Anesthesia	NA	3 PM – 11 PM	\$ 10,287
Anesthesia	NA	11 PM – 7 AM	\$ 6, 875
Anesthesia	RN	7 AM – 3 PM	\$ 33,123
Anesthesia	RN	3 PM – 11 PM	\$ 28,482
Anesthesia	RN	11 PM – 7 AM	\$ 29,888
Cardiology	LPN	7 AM – 3 PM	\$ 14,567
Cardiology	LPN	3 PM – 11 PM	\$ 8, 542
Cardiology	LPN	11 PM – 7 AM	\$ 12, 873
Cardiology	NA	7 AM – 3 PM	\$ 6,765
Cardiology	NA	3 PM – 11 PM	\$ 9,222
Cardiology	NA	11 PM – 7 AM	\$ 5, 475
Cardiology	RN	7 AM – 3 PM	\$ 29,183
Cardiology	RN	3 PM – 11 PM	\$ 25,414
Cardiology	RN	11 PM – 7 AM	\$ 22,775

WHAT TO SUBMIT:

- Your PHP program(s).
- Your test data.
- Your database design.
- Your table descriptions.
- A capture of the PHP program executing, showing multiple executions of the **requestDayOff** function, followed by **scheduleSomeone** , along with failing appropriate test cases.