Technology:

Backend : Java Spring Boot (JAVA) or Laravel (PHP)

Frontend : Bootstrap and JSP for java / HTML for PHP

Database : Mysql or postgresql

Task:

1.   User creation
2.   User login
3.   Upload a excel or CSV file – Attached format
4.   Validate the file as per following logic
     a.   One person cannot have more than 16 hours duty
     b.   One person cannot work more than 6 consecutive days
5.   Show the output in a page and if there is error, it should be displayed

Data Format:

Employee ID	Date	Name	Start time	End Date	Shift Name	Expected value
1112	6/15/2020	A	9:00:00 PM	7:59:00 AM	?	Saturday-Night
1113	6/15/2020	B	8:00:00 AM	1:59:00 PM	?	Saturday-Morning
1111	6/15/2020	C	8:00:00 AM	1:59:00 PM	?	Saturday-Morning
1111	6/15/2020	C	2:00:00 PM	8:59:00 PM	?	Saturday-Evening
1111	6/15/2020	C	9:00:00 PM	7:59:00 AM	?	Not possible
1111	7/16/2020	C	8:00:00 AM	1:59:00 PM	?	Sunday-Moring