

Hi everyone,

I decided to build an affordable standalone Employee Scheduling Program which could be used by a medium sized business such as a restaurant to manage employee schedules and vacation. The stand alone program will be constructed using Java to run in a Windows environment. The graphical interface will be based on Java Swing GUI and will use JDBC SQL statements to interact with a Microsoft Access database. The finished product will be posted on the web so that potential customers can evaluate the product.

The program will be password protected and will contain different options depending on the user rights.

All Users:

- \*Print Employee Schedule and Vacation in particular date range
- \*Print the Staff Scheduled for a Particular Day
- \*Print the Staff Available for a Particular Day

Admin Users:

- \*Print Employee Information (Name, Phone Number, Jobs that he/she can perform, Days Scheduled and Vacation Scheduled in a particular date range)
- \*Print Staff Information (Name, Phone Number, Jobs he/she can perform)
- \*Add Schedule
- \*Edit Schedule
- \*Add Vacation
- \*Edit Vacation
- \*Add Employee Job
- \*Edit Employee Job
- \*Add Employee
- \*Edit Employee
- \*Add job
- \*Edit job

There will be certain checks in place to make sure that an illegal record is not created. For example a user can not be scheduled to work if they have a vacation day. Conversely a user can not be scheduled for vacation if they are scheduled to work. An employee can not be scheduled to work the same day twice. An employee can have multiple jobs. There can not be two jobs with the same name. Each user id for logging into the system must be unique. There can be multiple employees with the same name and last name, but the record will be rejected if the phone number is the same. In addition there will be checks to make sure all the proper fields are filled out correctly.

There is no way to delete any information in the database however there is an active field. This is useful in the case that an employee leaves for college in the fall, but will return during winter break. An admin can not schedule a non-active employee or add vacation time for a non-active employee. Also an admin can not schedule an employee to a job

they do not have an active job record for. A job needs to be active for scheduling purposes as well.

Thanks,  
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