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Software Development I

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Project Milestone

Abstract: My milestone for Project 2 will discuss why I chose this idea for this project, what I have done thus far, what my program can execute, what additional uses my program will have, and how it can benefit others.

In the beginning of the Project I wanted to focus on businesses that have schedules for all their employees. I wanted to create a schedule through Java because I worked at a Golf Club this past summer and the manager had to organize a weekly schedule for every branch of the business and it was very time consuming and my solution can make the process much quicker and efficient. My program can make scheduling a lot easier and it can also help evaluate the employees through the notification center. The possible “back-ups” in case an employee cannot make it to work is major factor in the program because from first hand experience finding a replacement for a shift is very difficult at times, so the program will allow the manager to fill in possible back-ups if it were to happen.

The program is not that hard to comprehend, it is basic and easy to keep track of. My program can make it quicker, easier, and more affective for a manager or one who creates schedules. The way the program works is by filling out the different time slots for every day of the week. My program prompts the user to enter the employee’s names in the time slot that they work in. After plugging in the people working each shift, the

program will then prompt the user to fill in the “back up” in case a worker can show up to work.

By adding a “back-up” the Manager does not have to worry about finding a fill in, they can just look at the program and the system will show him who said they would be able to work. The program will be able to recognize the name and plug it in and show possible back ups, “if not __, then ____”. Once that is done the schedule will “lock” unless somebody cannot make it, then the schedule will allow the manager to edit, but like I said earlier it will give him or her an option of whom else is available.

Another function Java can have is a notification center for when a person is suppose to be arriving to work, when a shift ends, who is on lunch break, and more. The program’s notification will also benefit the manager when he has to evaluate each employee. They can see common tendencies like when a specific employee usually shows up to work, leaves work, or when they go on a break. For example, at my work I was asked by my boss to show up 10 minutes before my shift and when every employee came to work they have to clock in. If I cut it close when I clocked in my boss would be able to see that. The notification center can act, as attendance, like in school, if an employee is late to their shift the notification center will send a notification to the manager. My program can actually improve businesses because it can show the manager(s) how their employee’s perform.

Obviously my program is not the first of it’s kind but I believe mine can be more useful just by the notification center and implementing “back-ups”. Those two factors take my regular work scheduler and turns it into not only a work scheduler but it also

becomes an attendance recorder due to the notification center and a quick problem solver with the “back-ups”.

The proper use of the program is very straightforward; the user must plug in the timeslots and then adding the employee’s names where they are suppose to go. There are several ways to cause an error in the system, for example not adding the employee’s name in the directed time slot or not adding a possible back up. The system would clearly catch the error of not adding a name in either section, thus causing an error.

My program will focus on businesses that have schedules for all their employees. I will create the schedule through Java it will also include a notification center. The reason why I am doing a work schedule in Java is because I worked at a Golf Club this past summer and the manager had to organize a weekly schedule for every branch of the business. The scheduling would be very time consuming and a very difficult process with the amount of workers the business had. My program can make scheduling a lot easier and it can also help evaluate the employees through the notification center. The possible “back-ups” in case an employee cannot make it to work is major factor in the program because from first hand experience finding a replacement for a shift is very difficult at times, so the program will allow the manager to fill in possible back-ups if it were to happen. My work scheduling program can really benefit businesses like the one I worked at this past summer.