

Circumstances of Uses:

Part A .b

We chose to describe the successful branch with pseudo code.

G:

Inlay employees to shifts
Adding employees to an existing shift or creating a new shift and adding the employees to the new shift.
HR Manager
The employees exists, valid input types.
The employees were added to a shift.
<pre>inlayEmpsToShifts(List <Employee> emps, Employee m, Date d, Boolean isMorning) for (Employee e: emps) if(!empExist(e)) return false //alternative scenario if(!empExist(m)) return false //alternative scenario if(shiftExist(d, isMorning)) addToshift(emps) else createShift(d, isMorning, m, emps) return true</pre>
If the above function returns false, then the user is returned to the main menu.

F:

Dispatch Delivery
Create new delivery and save it to the archive.
Delivery manager
Valid input types and estimated time of arrival.
The delivery was created and sent to archive.
<pre>DispatchDelivery(Location source, List<Location> destinations, Driver driver, Truck truck, int weight, Date estimatedArrival): If (checkValidity(source, driver, truck, weight) == "valid" & checkDriverAndStoreKeeper(driver)): Delivery d = createDelivery(Location source, List<Location> destinations, Driver driver, Truck truck, int weight, Date estimatedArrival) Execute(d) saveToArchive(D) Return sucessMsg Else return errorMsg</pre>
If the above function returns errorMsg, then the user is returned to the main menu.