

DATA 533: ASSIGNMENT 2 - PROPOSAL

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Food and Beverage Management Package

Package Description

This package is used to manage businesses in Food and Beverage. There are two subpackages Operation Man

Subpackage 1: Operation Management

- FnBClass Module : allowing to create objects related to the operation of FnB Business
 - Class FnB : an instance of this class has those attributes: address, instorestaff, area, revenue
 - Class DeliveryBusiness this class is inherited from FnB class with additional attributess: deliverychannel
- FnBFunction.py
 - comparevenue(A,B) : show the bar plot with the revenues of FnB business in a list passed to the function
 - stafftransfer(A,B,n) : transfer n staffs from group B to group A. Return TURE if the transfer is successful and FALSE if not

Subpackage 2: Human Resource Management

- StaffClass Module : allowing to create objects to manage employees in a FnB Business
 - Class Staff an instance of this class has attributes: id, name, salary, entry year, last_promotion_year, store name, title, supervisor
 - Class Management this class is inherited from FnB class with additional attributess: stafflist (include id of the staffs under his/her management)
- HRfunction.py
 - promotioncheck(employeeelist) : every 2 year, the salary of an employee will be increased 10%. This function will validate a list of employee and apply promotion if possible.