

Group Number: 8

Project Name: University Book Center Overhaul

Project Details: Our project aims to revamp the existing information systems design for the **University Book Center** located in The Stamp Student Union, UMD. We've identified a few existing systems which can be enhanced, such as:

1. **Part time shifts' scheduling** - The University Book Center was using when2work previously for scheduling work hours for the part time employees. But lately they have shifted to ADP and now even though the employees can update their availability on ADP, managers send the work schedule on excel through emails which requires manual entry. Hence, we could create a system that handles both where employees can update their working hour preference and where managers can send the work schedule based on the requirement and the work assigned to them.
2. **Inventory checker system** – Currently, there's no system at the University Book Center which keeps track of the inventories. Hence, for online pick-up orders, employees must look around the store to search for an item. Hence, we could create an inventory checker system which will let the employees/customers search about the product and provide all the necessary details (location, quantity) regarding it.
3. **Package tracking system outside and within the book center** - If any pickup order package (consisting of items at the book center) has been misplaced or lost, there's no way to track that. The employees need to create a whole new package for that customer. We can create a package tracking system which can be used by employees to keep a note of where the package is kept so that it is not misplaced.
4. **Discount verification system** - Every employee at the store gets a discount of 35% through their employee ID. But there is no verification system at present. Employee ID is all that is required to avail the discount which can be easily misused. Hence, we'll integrate employee details in their existing system so that all they need is an employee name to handle the verification process.
5. **On-shift employee tracking** – The system does not have the capability to check whether an employee is working the number of hours they claim. We need to implement a system that would track if the employee was working inside the book center or not.

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