My Determination To Succeed At Labman

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29th October 2024

One of the most challenging tasks on our intranet is updating a widely-used method like <code>SavePurchaseOrder()</code>, as changes can easily impact various dependent areas. Each modification requires meticulous consideration of how it will affect all instances where the method is implemented. At Labman, I approach these updates with unwavering diligence, constantly assessing each line of code to ensure stability across the system.

In cases where automated testing isn't feasible due to the method's placement, I am committed to performing thorough end-toend testing in each context where the method is used. This careful attention to detail and proactive testing demonstrates my dedication to delivering reliable, effective solutions while minimizing disruption. My determination to succeed at Labman drives me to ensure that every change enhances the system without introducing new issues.

When embarking on such a task, I develop a comprehensive plan outlining where each method is used and how I can test it. For example, on a recent feedback item, I formulated the following plan:

```
Method Name: SavePurchaseOrder()

Places Used:
- CreatePurchaseOrder
- CreatePurchaseOrderFromCreditCardPurchase
- CreatePurchaseOrderFromStandardPartsList

How to test:
- Create a purchase order via the PO page and check details
- Create a purchase order from a credit card purchase and check details
- Create a standard parts list and check each purchase order created from it and check details
```

Upon examining each method, I observed that they all create variations of the PurchaseOrderDto depending on the data provided, then call SavePurchaseOrder(PurchaseOrderDto). My task was to add a non-nullable payment method to the purchase order, ensuring it was set properly.

For the CreatePurchaseOrder method, I needed to ensure that the DTO's PaymentMethodId field was populated. Since this method is called from a form, I added a field to the page and implemented validation to make sure it is set:

```
// Populate other fields
};

SavePurchaseOrder(dto);
}
```

For the CreatePurchaseOrderFromCreditCardPurchase method, I determined that I just needed to populate the DTO's payment method with the ID of the credit card payment method. Here's how I updated the code:

For CreatePurchaseOrderFromStandardPartsList, each standard parts list has a default payment method. I populated each purchase order DTO accordingly:

By updating each method and rigorously testing them in their respective contexts, I ensured that the new payment method field was correctly integrated without affecting existing functionality. This process showcases my determination to succeed at Labman by delivering high-quality work that upholds the integrity of our systems. My commitment to thorough planning, attention to detail, and proactive problem-solving contributes to the ongoing success and reliability of our projects.