<<Class>>Product

- + self.product name:string = product name
- + self.product_num:string = product_num
- + self.on hand count:int = on hand count
- + self.current loc:set = set()
- + get locations(self): set
- + get_product_info(self)
- + update_loc(self, location: string)

<<Module>>MasterInventory

- + master inventory file:Path = Path('master inventory.csv')
- + file contents read:bool = False
- + file contents written:bool = False
- + master inventory: dictionary = empty dictionary
- + verify prod num(nums to check: set): bool
- + add single product()
- + add_multi_product_from_file(products_to_add: set)
- + search_inventory(search_term: string)
- + search_by_prod_num(product_num: string)
- + sort inventory by prod num(): list
- + edit product()
- + read from master inventory csv()
- + write to master inventory csv()

<<Module>>ProductLocation

- + file contents read:bool = False
- + current_products:dictionary = empty dictionary
- + create new location file(location: string)
- + read location file(location: string)
- + audit location()
- + back stock product()
- + remove_product(product_num: string, amount: int)
- + get product amount(product num: string): int