TASK 3

Sistem za upravljanje zalihama koktel bara
Pisanje unit testova

Predmet: Verifikacija i validacija softvera
Odsjek: Računarstvo i informatika
Odgovorni nastavnik: R. prof. dr. Dženana Đonko dipl.el.ing
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ČLANOVI TIMA:
- Amina Hromić
- Emina Efendić
- Hana Mahmutović
- Tajra Selimović

Sarajevo, decembar 2023.

Sadržaj

Spisak testova

Član tima 1: Amina Hromić

Spisak testova:
1. BubbleSort_AlreadyOrdered_ReturnsSameList
2. BubbleSort_InverseOrder_ReturnsOrderedList
3. BubbleSort_RandomOrder_ReturnsOrderedList
4. BubbleSort_DrinkWithNegativePrice_ThrowsArgumentException
5. MostExpensiveDrink_RandomOrder_ReturnsMostExpensiveDrink
6. MostExpensiveDrink_DrinkWithNegativePrice_ThrowsArgumentException
7. PriceWithPDV_RandomOrder_ReturnsPricesWithPDV
8. PriceWithPDV_DrinkWithNegativePrice__ThrowsArgumentException
9. MostExpensiveDrink_ReturnsMostExpensiveDrinkUsingXMLData
10. MostExpensiveDrink_CsvData_ReturnsMostExpensiveDrink

Član tima 2: Emina Efendić

Spisak testova:
1. Edit_DbUpdateException_DrinkDoesNotExist_ReturnsNotFound
2. Edit_DrinkNotFound_ReturnsNotFound
3. Edit_IdMismatch_ReturnsNotFound
4. Edit_InvalidModelState_ReturnsViewWithModel
5. Edit_ValidModelState_ReturnsRedirectToAction
6. Edit_ValidModelStateBelowPriceRange_ReturnsRedirectToAction
7. InsertionSort_SortsIngredientsAscending
8. InsertionSort_XmlData_ReturnsSortedIngredientsList
9. OptimalProfitMessage_RealProfitBelowOptimal_ReturnsBelowOptimalMessage
10. OptimalProfitMessage_RealProfitEqualsOptimal_ReturnsOptimalMessage
11. OptimalProfitMessage_CsvData_ReturnsCorrectResult

Član tima 3: Hana Mahmutović

Spisak testova:
1. SearchDrinksByName_ReturnsCorrectResults
2. SearchDrinksByIngredient_ReturnsCorrectResults
3. CalculateDailyProfit_ReturnsCorrectResult
4. CalculateDailyProfit_DrinkNotFound_ReturnsJsonResultWithZeroProfit
5. CalculateDailyProfit_NegativeQuantity_ReturnsJsonResultWithZeroProfit
6. CalculateDailyProfit_ReturnsCorrectResultFromXml
7. CalculateDailyProfit_ReturnsCorrectResultFromCsv

Član tima 4: Tajra Selimović

Spisak testova u klasi UnitTestTajra.cs:
1. NumberOfDrinks_ReturnsCorrectCount
2. CheapestDrink_ReturnsCheapestDrink
3. CheapestDrink_DrinkWithNegativePrice_ThrowsArgumentException
4. RecommendationBasedOnIngredients_ReturnsExpectedDrinks
5. RecommendationBasedOnIngredients_RightNumberOfDrinksInList
6. CheapestDrink_XMLData_ReturnsCheapestDrink
7. CheapesDrink_CsvData_ReturnsCheapestDrink

Pokrivenost koda testovima

Name	Covered	Uncovered	Coverable	Total	Line coverage		Covered	Total	Branch coverage	
+ UnitTests	656	6	662	1131	99%		12	12	100%	
− VVSProject	225	95	320	570	70.3%		70	88	79.5%	
SmartCafe.Controllers.AdminPanelController	193	15	208	312	92.7%		70	86	81.3%	