PANGASINAN STATE UNIVERSITY

College of Computing
Information Technology Department
Urdaneta Campus

PORTFOLIO

IN

ELECTIVE 4

Submitted by:
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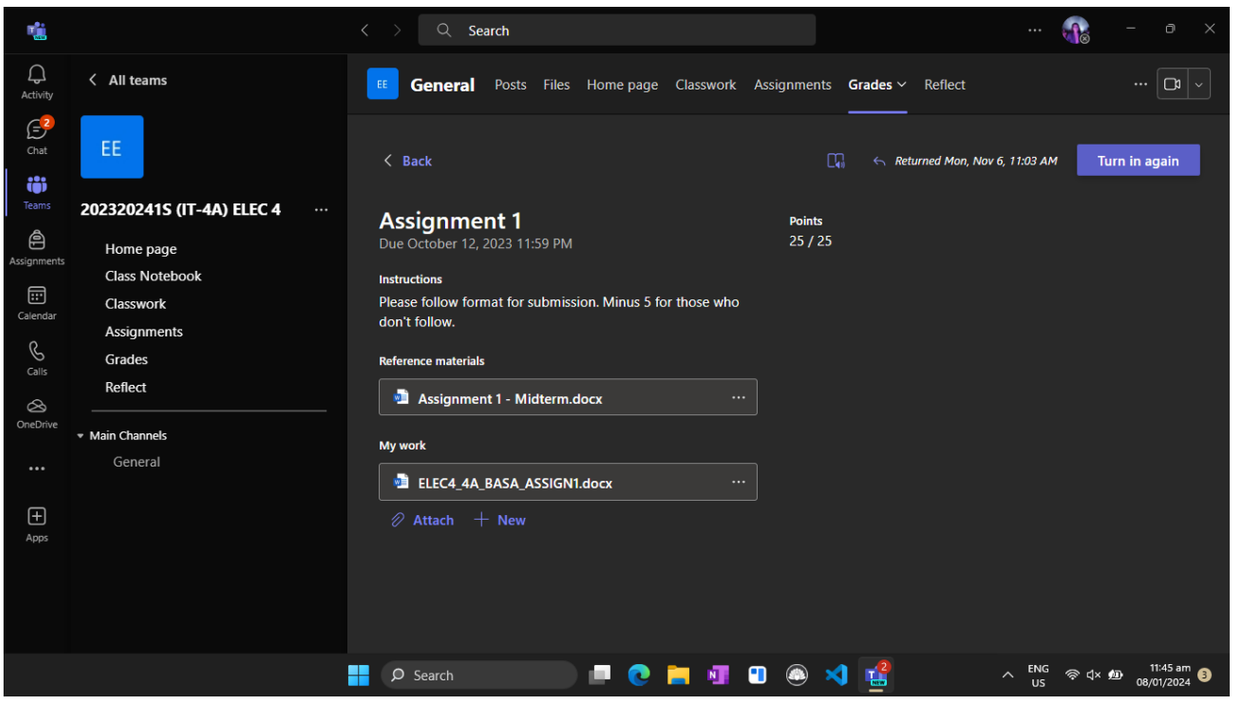
Submitted to:
Mark Denver P. Adora, MIT

January 09, 2024

TABLE OF CONTENTS



Pangasinan State University
Urdaneta City Campus

Assignment 1
Elective 4 (Special Topics on Web and Mobile 2)

Name: BASA, Beatriz S.	Date: October 5, 2023 / Deadline: October 12, 2023
	Points: 25

Instructions:

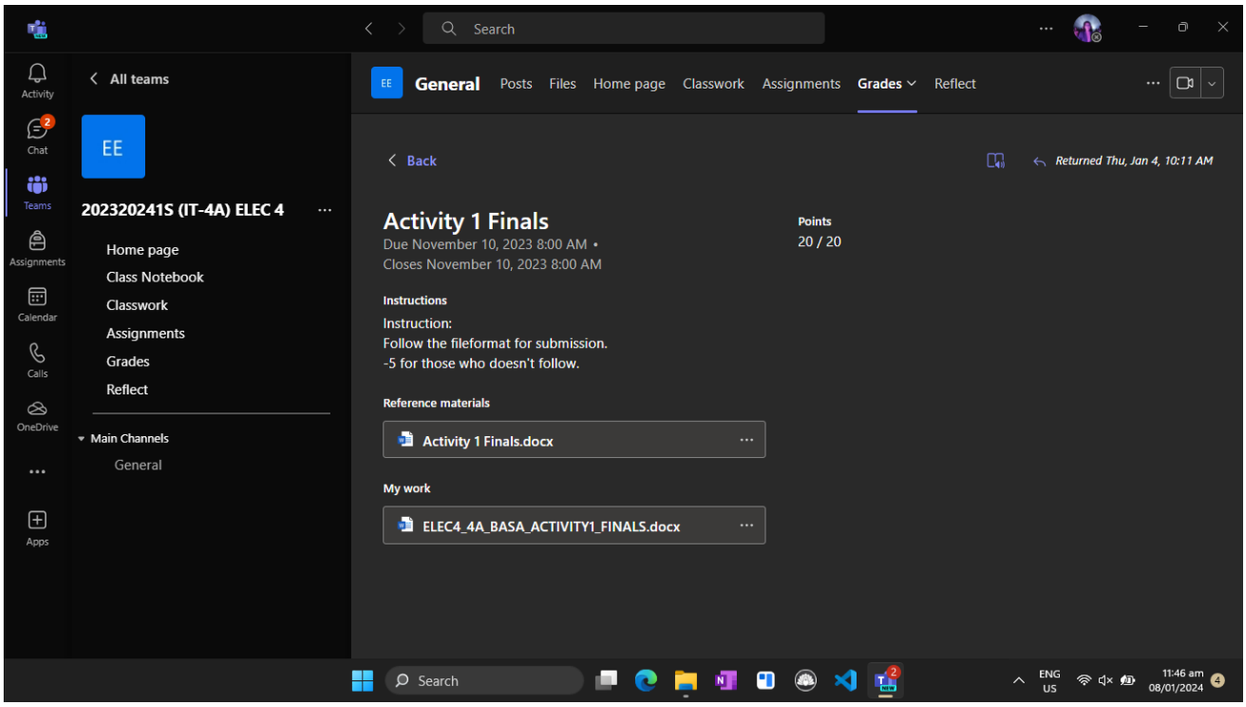
1. Create a function to calculate the `mean` of a list of numbers.
   - Return `mean`
2. Create a function to calculate the `median` of a list of numbers.
   - Return `median`
3. Create a main function to get user input, calculate mean and median, and display results
   - Ask positive integer inputs separated by spaces.
   - Split the given input.
   - Calculate the mean and median of the input
   - Display the elements of the list, the mean, the median

Your code here....

```
def mean_func (numList):
    sum = 0
    mean = 0
    for num in numList:
        sum += num
    mean = sum / len(numList)
    return mean

def median_func (numList):
    sortList = sorted(numList)
    mid_index = len(list(sortList)) // 2
    if len(list(sortList)) % 2 == 0:
        return (sortList[mid_index - 1] + sortList[mid_index]) / 2
    else:
        return sortList[mid_index]

def main ():
    inputNum = input("Enter list of positive numbers separated by spaces: ")
    splitNums = (inputNum.split())
    intNums = [int(num) for num in splitNums]
    mean = mean_func(intNums)
    median = median_func(intNums)
    print(f"Elements of the list: {intNums}")
    print(f"Mean: {mean}")
    print(f"Median: {median}")


main()
```

Output....

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  PORTS  TERMINAL

PS C:\python codes> & "C:/Program Files/Python311/python.exe" "c:/python codes/assignm
ent1_BasaBeatriz_IT4A/main.py"
Enter list of positive numbers separated by spaces: 1 2 3 4 5 6 7 8 9
Elements of the list: [1, 2, 3, 4, 5, 6, 7, 8, 9]
Mean: 5.0
Median: 5
PS C:\python codes>
```



Pangasinan State University
Urdaneta City Campus

Activity 1
Elective 4 (Special Topics on Web and Mobile 2)

Name: BASA, Beatriz S.	Date: November 10, 2023
	Points: 20

Write a program that do the following:

Task 1: Create an array `arrayOfScores`
Task 2: Create a function `askValues` which accepts only positive values terminated by 0 then add it to the array.
Task 3: Call the function `askValues`
Task 4: Iterate each array items and check the following
a) value is between or equal to 75-80 - print the value and "Grade: 3.00"
b) value is between or equal to 81 - 85 - print the value and "Grade: 2.50"
c) value is between or equal to 86 - 90- print the value and "Grade: 2.00"
d) value is between or equal to 91- 95- print the value and "Grade: 1.50"
e) value is between or equal to 96 - 100- print the value and "Grade: 1.00"
f) value is less than 75 - print the value and "Failed"
--Value greater than 75 is added to a list (Referring to `arrayOfScores`)
Task 5: Iterate the list to get the average. Print all the elements of the list and display the average.

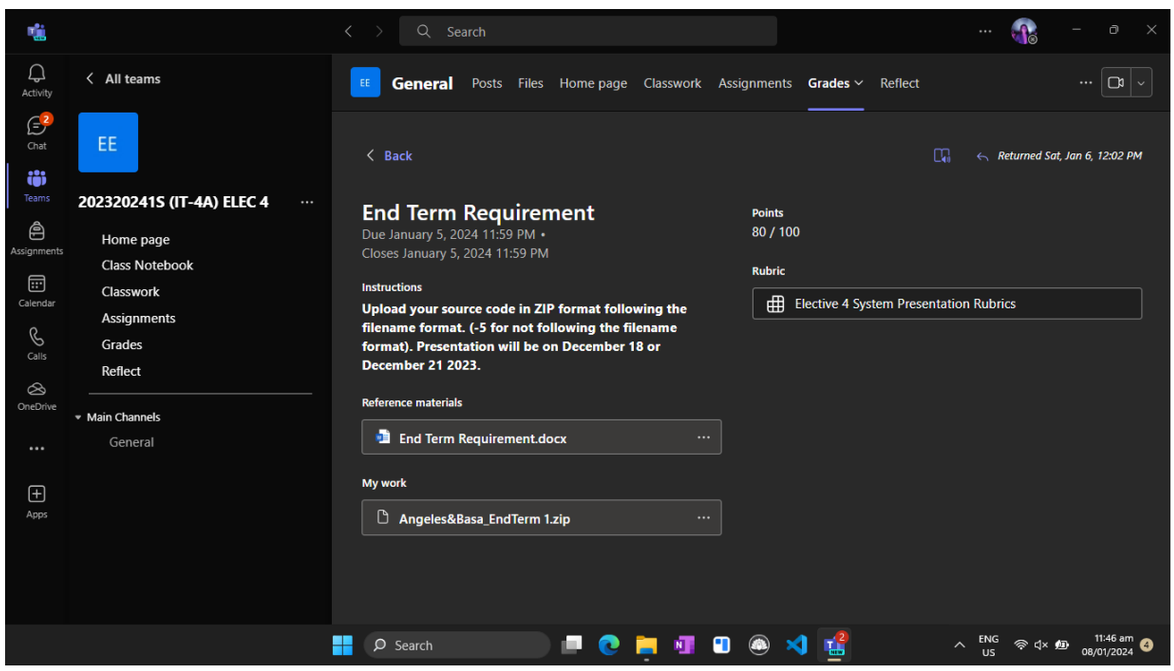
Codes:

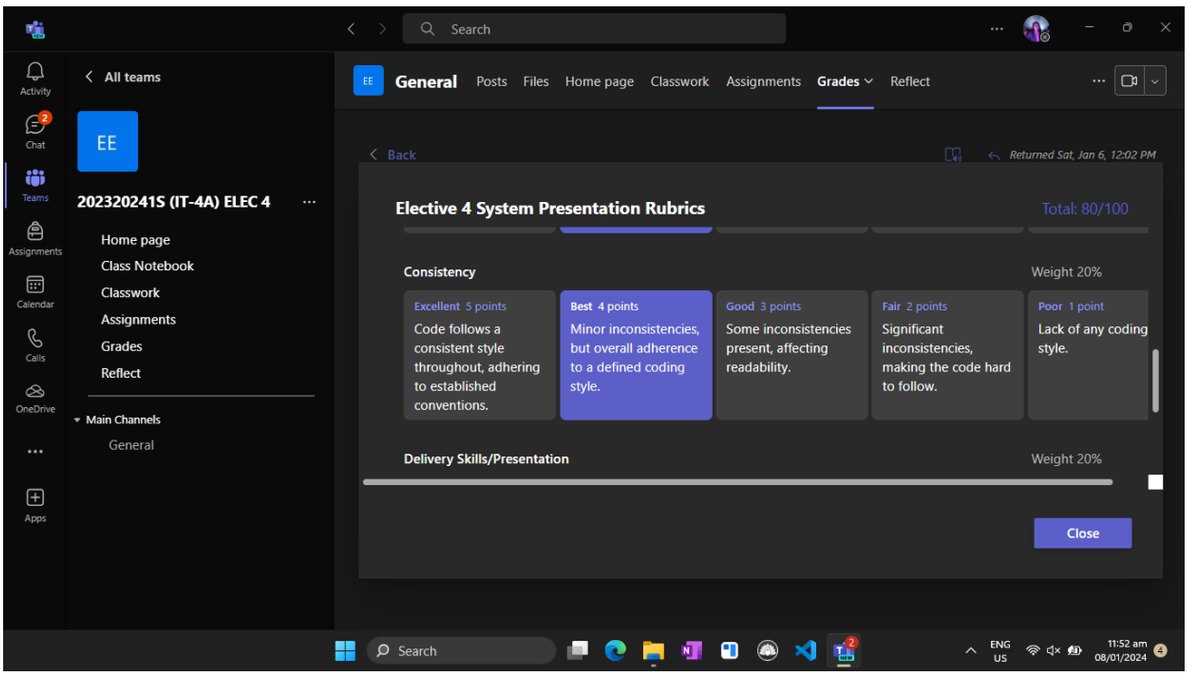
```
import array

arrayOfScores = array.array('i',
[])

def askValues():
    flag = True
    while (flag):
        score = int(input("Enter score: "))
        if (score > 0 and score <= 100):
            flag = True
            if (score >= 75):
                arrayOfScores.append(score)
        else:
            flag = False


askValues()

for score in arrayOfScores:
    if (score >= 75 and score <= 80):
        print(f"Value: {score}, Grade: 3.00")
    elif (score >= 81 and score <= 85):
        print(f"Value: {score}, Grade: 2.50")
    elif (score >= 86 and score <= 90):
        print(f"Value: {score}, Grade: 2.00")
```

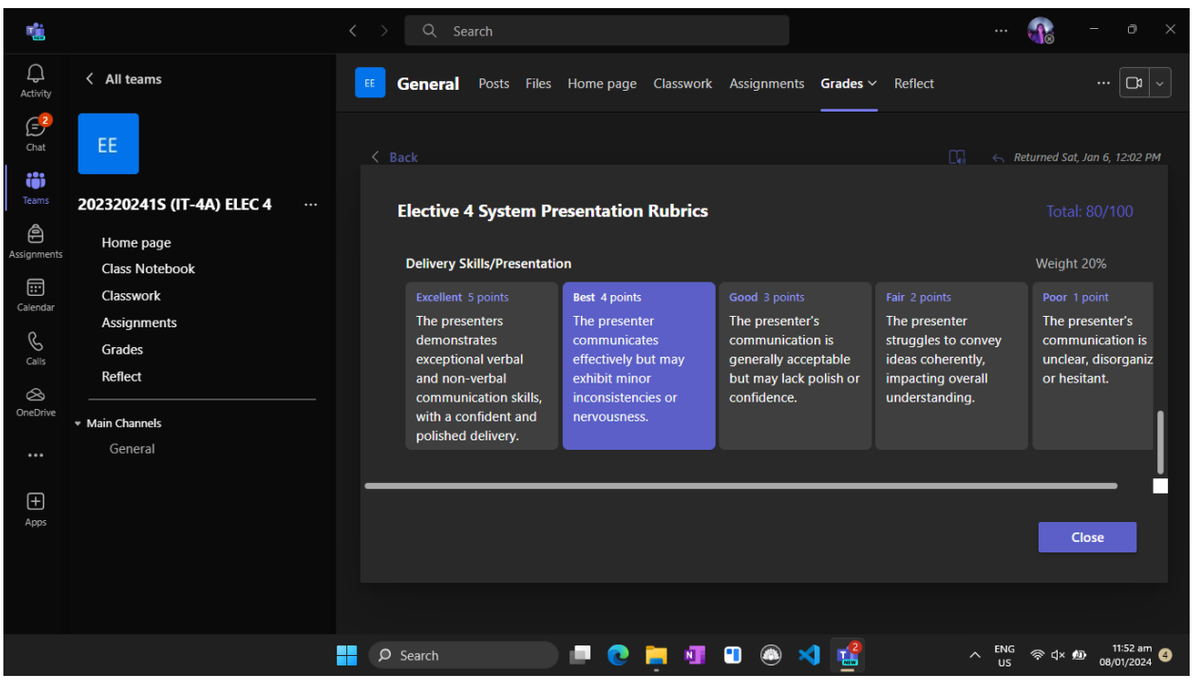
```
    elif (score >= 91 and score <= 95):
        print(f"Value:{score}, Grade: 1.50")
    elif (score >= 96 and score <= 100):
        print(f"Value:{score}, Grade: 1.00")
    else :
        print(f"Value:{score}, Failed")


sumOfScore = 0
for score in arrayOfScores:
    sumOfScore += score

average = sumOfScore / len(arrayOfScores)

print(f"Elements of the list: {arrayOfScores}\nAverage: {average}")
```

Output:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  PORTS  TERMINAL

PS C:\python codes> & "C:/Program Files/Python311/python.exe" "c:/pyt
Enter score: 89
Enter score: 98
Enter score: 78
Enter score: 88
Enter score: 85
Enter score: 86
Enter score: 0
Value: 89, Grade: 2.00
Value:98, Grade: 1.00
Value: 78, Grade: 3.00
Value: 88, Grade: 2.00
Value: 85, Grade: 2.50
Value: 86, Grade: 2.00
Elements of the list: array('i', [89, 98, 78, 88, 85, 86])
Average: 87.33333333333333
```




Search
All teams
EE
General
Posts
Files
Home page
Classwork
Assignments
Grades
Reflect
Back
Returned Sat, Jan 6, 12:02 PM
202320241S (IT-4A) ELEC 4
Home page
Class Notebook
Classwork
Assignments
Grades
Reflect
Main Channels
General
Elective 4 System Presentation Rubrics
Total: 80/100
Consistency
Weight 20%
Excellent 5 points
Code follows a consistent style throughout, adhering to established conventions.
Best 4 points
Minor inconsistencies, but overall adherence to a defined coding style.
Good 3 points
Some inconsistencies present, affecting readability.
Fair 2 points
Significant inconsistencies, making the code hard to follow.
Poor 1 point
Lack of any coding style.
Delivery Skills/Presentation
Weight 20%
Close


Search
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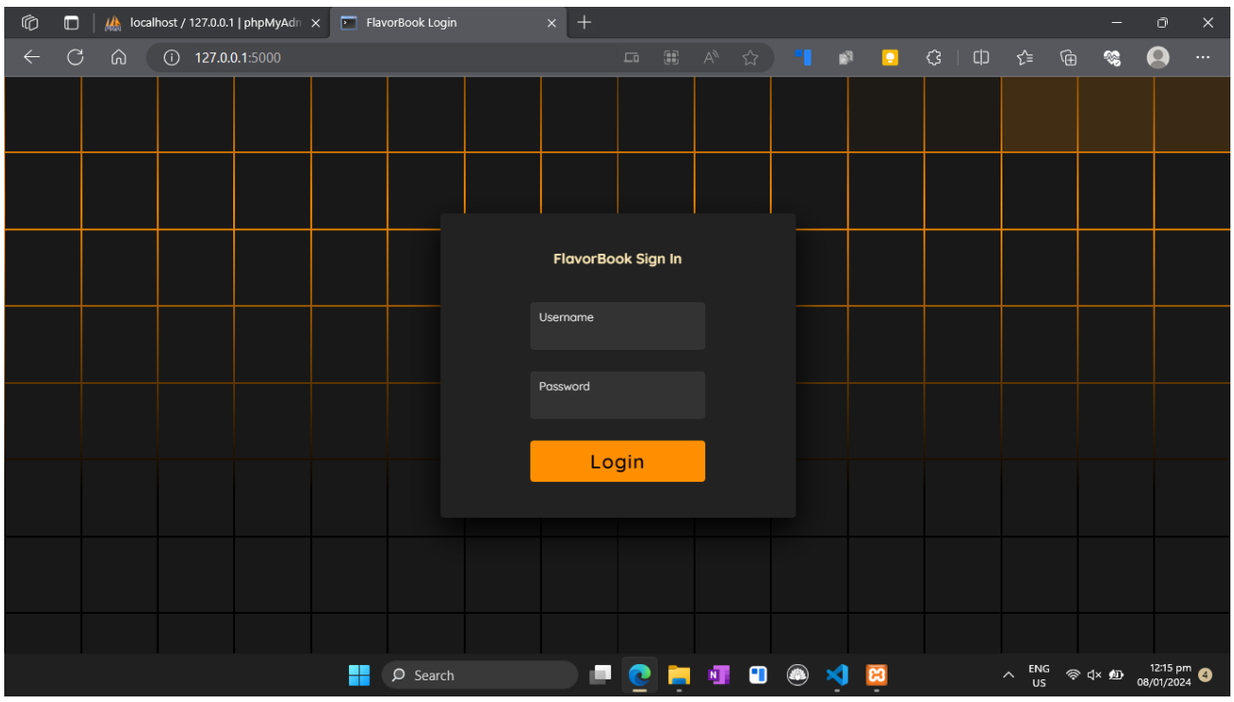
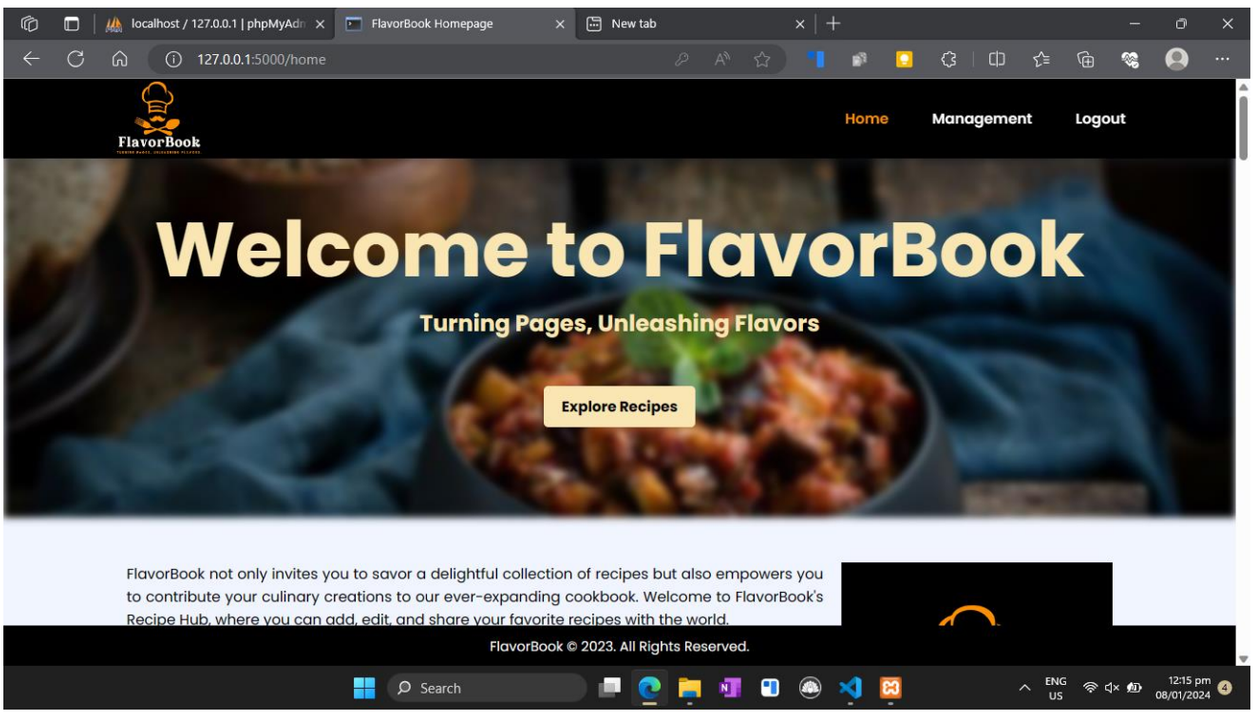
Home page
Classwork
Assignments
Grades
Reflect
Back
Returned Sat, Jan 6, 12:02 PM
202320241S (IT-4A) ELEC 4
Home page
Class Notebook
Classwork
Assignments
Grades
Reflect
Main Channels
General
Elective 4 System Presentation Rubrics
Total: 80/100
Delivery Skills/Presentation
Weight 20%
Excellent 5 points
The presenters demonstrates exceptional verbal and non-verbal communication skills, with a confident and polished delivery.
Best 4 points
The presenter communicates effectively but may exhibit minor inconsistencies or nervousness.
Good 3 points
The presenter's communication is generally acceptable but may lack polish or confidence.
Fair 2 points
The presenter struggles to convey ideas coherently, impacting overall understanding.
Poor 1 point
The presenter's communication is unclear, disorganiz or hesitant.
Close


localhost / 127.0.0.1 | phpMyAdn
FlavorBook Login
127.0.0.1:5000
FlavorBook Sign In
Username
Password
Login
Search
ENG
US
12:15 pm
08/01/2024


localhost / 127.0.0.1 | phpMyAdn
FlavorBook Homepage
New tab
127.0.0.1:5000/home
FlavorBook
Home
Management
Logout
Welcome to FlavorBook
Turning Pages, Unleashing Flavors
Explore Recipes
FlavorBook not only invites you to savor a delightful collection of recipes but also empowers you to contribute your culinary creations to our ever-expanding cookbook. Welcome to FlavorBook's Recipe Hub, where you can add, edit, and share your favorite recipes with the world.
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Search
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US
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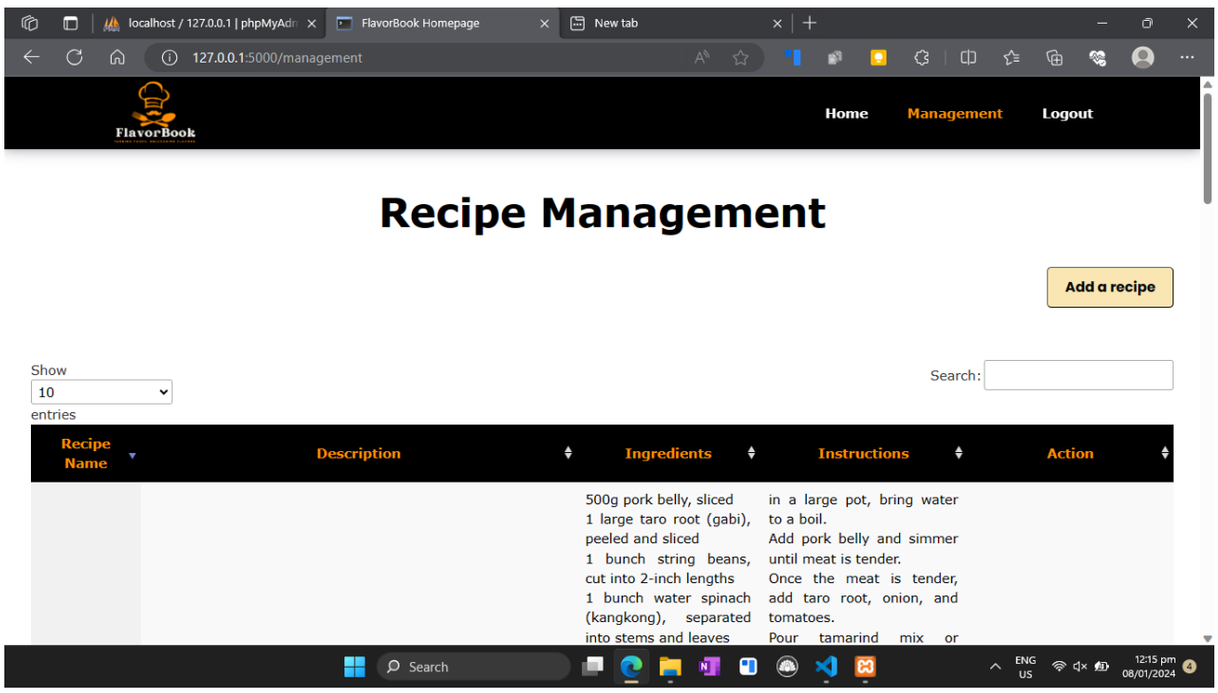
localhost / 127.0.0.1 | phpMyAdn
FlavorBook Homepage
New tab
127.0.0.1:5000/management
FlavorBook
Home
Management
Logout
Recipe Management
Add a recipe
Show
10
entries
Search:
Recipe Name
Description
Ingredients
Instructions
Action
500g pork belly, sliced
1 large taro root (gabi), peeled and sliced
1 bunch string beans, cut into 2-inch lengths
1 bunch water spinach (kangkong), separated into stems and leaves
in a large pot, bring water to a boil.
Add pork belly and simmer until meat is tender.
Once the meat is tender, add taro root, onion, and tomatoes.
Pour tamarind mix or
Search
ENG
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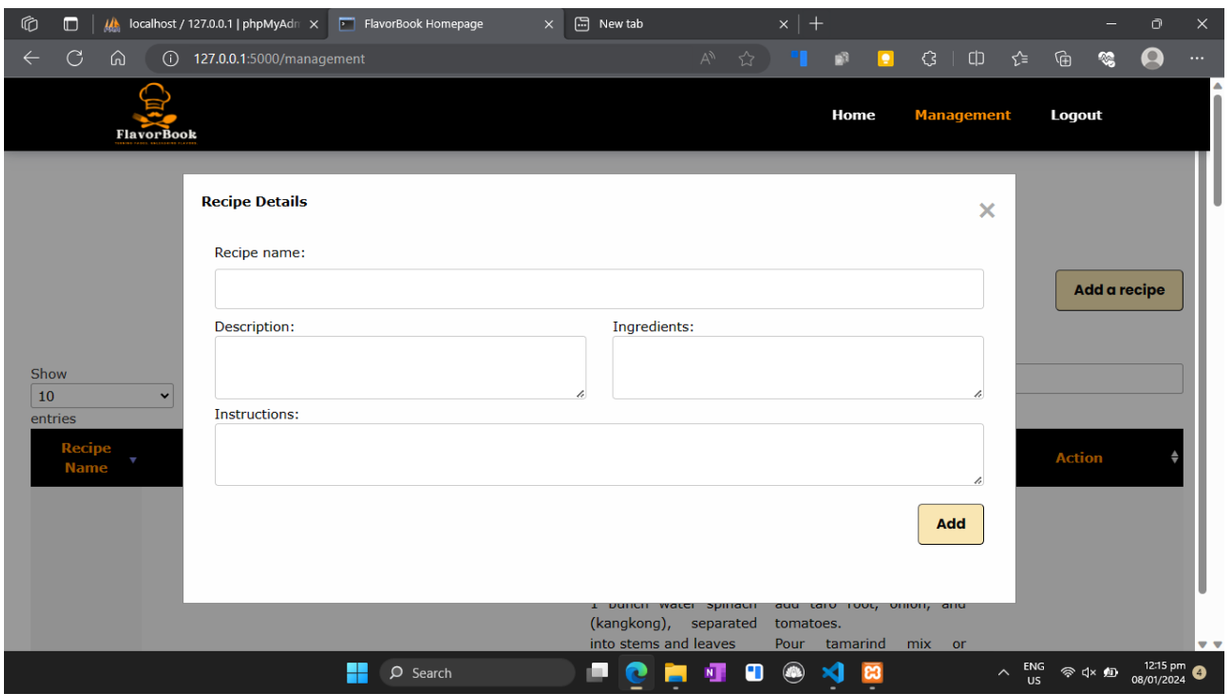
08/01/2024


localhost / 127.0.0.1 | phpMyAdn
FlavorBook Homepage
New tab
127.0.0.1:5000/management
FlavorBook
Home
Management
Logout
Recipe Details
Recipe name:
Description:
Ingredients:
Instructions:
Add
Add a recipe
Show
10
entries
Recipe Name
Action
(kangkong), separated into stems and leaves
tomatoes.
Pour tamarind mix or
Search
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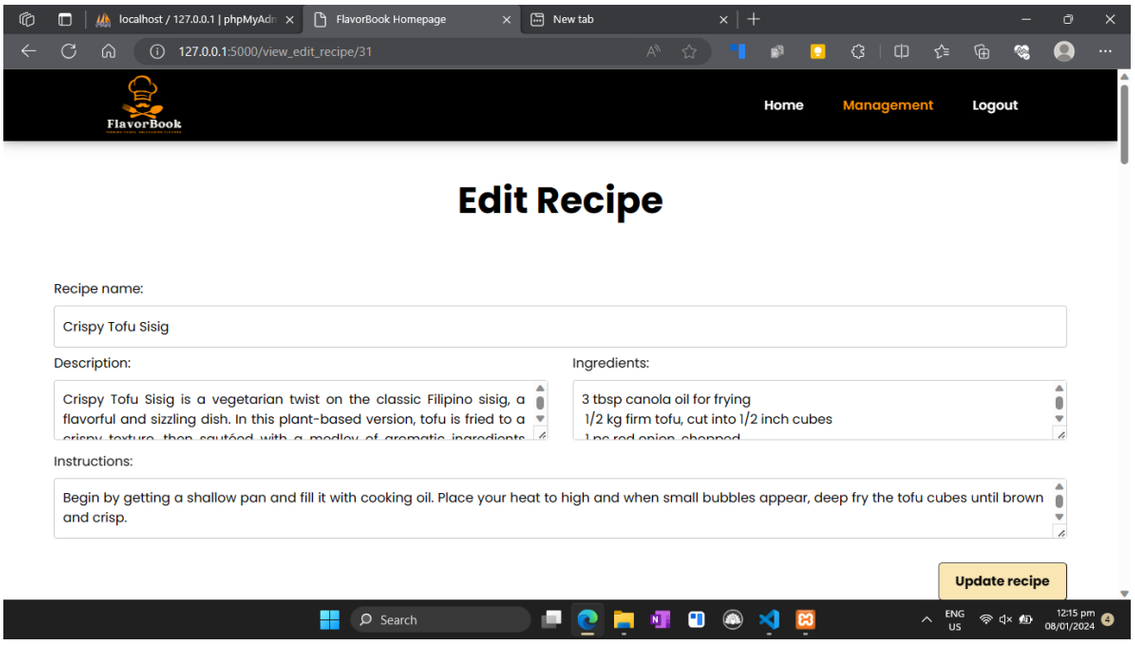
12:15 pm
08/01/2024


localhost / 127.0.0.1 | phpMyAdn
FlavorBook Homepage
New tab
127.0.0.1:5000/view_edit_recipe/31
FlavorBook
Home
Management
Logout
Edit Recipe
Recipe name:
Crispy Tofu Sisig
Description:
Crispy Tofu Sisig is a vegetarian twist on the classic Filipino sisig, a flavorful and sizzling dish. In this plant-based version, tofu is fried to a
Ingredients:
3 tbsp canola oil for frying
1/2 kg firm tofu, cut into 1/2 inch cubes
Instructions:
Begin by getting a shallow pan and fill it with cooking oil. Place your heat to high and when small bubbles appear, deep fry the tofu cubes until brown and crisp.
Update recipe
Search
ENG
US
12:15 pm
08/01/2024