**PROJECT NAME**

A Project Documentation Presented

in Partial Fulfillment for the Requirements of

***CS 111: Computer Programming*** and

***CS 131: Data Structures and Algorithms***

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**ACKNOWLEDGEMENT**

Add acknowledgement here.

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**PURPOSE**

Discuss the project’s purpose, in paragraph form.

**OVERALL METHOD**

The following are the general tasks of the project:

1. Task 1;
2. Task 2; and,
3. Task 3.

**FLOWCHART**

Include a brief description and below the description, the flowchart.

**SIMULATION**

Add the Input-Process-Output Chart

**Table 1**

**Input-Process-Output**

| Input | Process | Output |
| --- | --- | --- |
| yname | Entry | Enter name |
|  |  |  |
|  |  |  |

**FUNCTIONS**

Enumerate each function that you used for your project, including a brief description of it on how it was implemented in the project. Include pseudocodes and logic explanations.

Example:

1. **getCourseData()**

The function will read, from the user, the course id and the enrollment in the course. These values will be stored in a set of parallel arrays named ids and totals. The function will return the total enrollment.

**Parameters:**

| **Name** | **Type Value/ Reference** | **Description** |
| --- | --- | --- |
| n | int value | number of values in the array |
| ids[] | int reference | the array of id numbers |
| totals[] | int reference | the array of enrollment totals for each course |

**Return Value:**

| **Name** | **Type Value/**  **Reference** | **Description** |
| --- | --- | --- |
| grandtotal | int | the overall total enrollment for the university |

**Calls to:** none

**Called from:** main

**Method:**

The following is the pseudocode describing how the function works.

1. Initialize the grand total to zero.
2. Prompt user for data expected.
3. Loop and execute n times.
4. Use loop counter as subscript of arrays
5. Prompt user for specific course data.
6. Read in id
7. Read in enrollment
8. Add to enrollment to the grand total.
9. Return the grand total.

**Codes:**

| int getCourseData( int n, int ids[], int totals[] )  {  int grandTotal = 0;  cout << endl \*\* note 4 \*\*  << "For each of " << n << " courses," << endl  << " enter the course id and the number of students in that course."  << endl  << " Enter these two values on one line, separated by a space."  << endl  << endl;    for ( int i = 0; i < n; i++ )  {  cout << "Course " << i + 1 << " -- id and number of students: ";  cin >> ids[i] >> totals[i];  grandTotal += totals[i];  }  return grandTotal;  } |
| --- |

**PROGRAM OUTPUT**

Program screenshots, sample outputs—example, for a valid input and an invalid input. Test cases. Include the relevant screenshots only. Each figure must be captioned in this format: **Figure [number]. Label**. Also, descriptions/paragraph explanations must be above the figures.

**SOURCE CODE**

Include the source code and must be in this format:

Font: Consolas, font size: 10, each code line must be numbered. Include comments.

**MEMBERS DUTIES AND RESPONSIBILITIES**

Shown in Table [Number] is the respective duties and responsibilities of each group member during project development.

The Researcher is responsible for…. (describe each duty and responsibility)

| **Names of Members** | **Duty/ Responsibility** | **Description** |
| --- | --- | --- |
| Agdon, Fatima Marie P. |  |  |
| De Chavez, Poul Isaac C. |  |  |
| Hernandez, Lovely Rose T. |  |  |
| Miraflor, Cedric Peterson M. |  |  |

**MEMBERS’ PROFILE**

| **Fatima Marie Peradilla Agdon**  Address: Sorosoro Ilaya, Batangas City  Email: [fatimamarieagdon@gmail.com](mailto:fatimamarieagdon@gmail.com)  Contact number: 0908-952-5086 |  |  |
| --- | --- | --- |

| **Personal Information** | | |
| --- | --- | --- |
| Sex | : | Female |
| Date of Birth | : | December 27, 1996 |
| Age | : | 25 years old |
| Place of Birth | : | Batangas City, Philippines |

| **Family Background** | | |
| --- | --- | --- |
| Father’s Name | : | Jojie Dimaano Agdon |
| Occupation | : | Agricultural Technologist |
| Mother’s Name | : | Emma Manguerra Peradilla-Agdon |
| Occupation | : | Agricultural Technologist |

| **Educational Background** | | |
| --- | --- | --- |
| Tertiary | : | **Batangas State University**  Alangilan, Batangas City  BS Computer Science  2013-2017 |
| Secondary | : | **Batangas State University**  Rizal Avenue Ext., Batangas City  *Computer Assisted Learning (CAL) Excellence in ICT Awardee*  2009-2013 |
| Primary | : | **Batangas State University**  Rizal Avenue Ext., Batangas City  2003-2009 |