**PROJECT PROPOSALS**



Presented to

**Department of Computer Engineering**

**College of Engineering**

**University of San Jose – Recoletos**

Magallanes Street, Cebu City 6000

In Partial Fulfilment

Of the Requirements for the

**Software Engineering**

**By:**

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1. **DIGITAL MENU**
2. **Problem/Opportunity**

Fast Food Chains and Restaurants nowadays gets the order/s then pass it to the kitchen for to be cooked the process takes time and the digital menu comes in handy. It can also reduce the lining up of customers in fast foods.

1. **Project Description**

The menu can be found on the table which is a tablet and has an application in it which takes the order from the customer and sends it to the kitchen that may come with request on their order.

1. **Users**

The following are the users:

* The customer
* Cook/Chef

1. **Inputs and Outputs**
2. Input

The following are the inputs of the customers:

* Customer Name
* Order via selection

The following are the input of the chef

* Chef Name

1. Output

The bill of the customer

1. **Budget Estimate**

Hardware (Table, Tablet PC) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Php 50,000.00

Miscellaneous (Stationaries, Energy, Food, Necessities)Php 20,000.00

Software (Programming Tools) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Php 20,000.00

1. **Schedule Estimate**
2. Work Breakdown Structure

Digital Menu

Hardware

Menu

Hardware Prototype Design

Menu Interface Design

Menu Program

1. Work List
2. Presentation
3. Design Planning
4. Assignment of Task
5. Documentation
6. Programming
7. Hardware Prototype Making
8. Beta Testing and Surveying
9. PERT Chart

1

8

2

1

12

12

12

17

1. Schedule Table



1. Gantt Chart



1. **Use-Case Diagram**

Digital Menu

**`**

Customer

Chef/Assistant Chef

1. **Functions**

* Menu
* It is the displayed menu of food choices. It gives the customer the information of the food menu of the restaurant and enables them to select their food choice.
* The request box
* It is a textbox that enables the customer to gives request on their food.

1. **Class Diagram**

1..1

1..1

|  |
| --- |
| **Menu** |
| +itemNo: int  +itemName: string  +Price: float |
| +viewMenu() |

|  |
| --- |
| **Order** |
| +orderNo: int |
| +viewOrder() |

|  |
| --- |
| **Chef** |
|  |
| +addItem()  +removeItem() |

|  |
| --- |
| **Menu** |
|  |
| +addOrder()  +removeOrder() |

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1. **CREDIT CARD TRANSACTION TRACKING**
2. **Problem/Opportunity**

Credit card transactions give information about where the transaction was made what date and time and the amount transacted. The project gives the user notification upon credit card transaction and gives them the details which make them fell secured about their money.

1. **Project Description**

The software keeps on track of the credit card transactions and notifies the user about its information like if the datetime and place the transaction was made.

1. **Users**

The users are the bank account owners that have credit cards.

1. **Inputs and Outputs**
2. Input

The following are the inputs for the credit card owner:

* Owner Name
* Account Number

1. Output

The transaction information such as:

* Date and Time of transaction
* Place of transaction

1. **Budget Estimate**

Hardware (Table, Tablet PC) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Php 50,000.00

Miscellaneous (Stationaries, Energy, Food, Necessities)Php 20,000.00

Software (Programming Tools) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Php 20,000.00

1. **Schedule Estimate**
2. Work Breakdown Structure

Credit Card Transaction Tracking

Program

Database

Wireframing

Wireframing

Database

Creation

Program

Creation

1. Work List
2. Development Plan
3. Assign Task
4. Programming
5. Program Test
6. Writer User Manual
7. Convert Files
8. System Test
9. User Test
10. PERT Chart
11. Schedule Table

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  | FwdSched | | RvSched | |  |
| Activity | OD | ED | PD | Predecessor | Duration | Start | End | Start | End | CP |
| 1 Develop Plan | 1 | 1 | 2 | - | 1 | 2/14/2020 | 2/14/2020 | 2/14/2020 | 2/14/2020 | 0 |
| 2 Assign Task | 3 | 4 | 4 | 1 | 4 | 2/15/2020 | 2/18/2020 | 2/15/2020 | 2/18/2020 | 0 |
| 3 Programming | 30 | 35 | 37 | 2 | 35 | 2/19/2020 | 3/24/2020 | 2/19/2020 | 3/24/2020 | 0 |
| 4 Program Test | 15 | 17 | 19 | 3 | 17 | 3/25/2020 | 4/10/2020 | 3/25/2020 | 4/10/2020 | 0 |
| 5 Writer User Manual | 15 | 17 | 19 | 4 | 17 | 4/11/2020 | 4/27/2020 | 4/11/2020 | 4/27/2020 | 0 |
| 6 Convert Files | 9 | 12 | 14 | 5 | 12 | 4/28/2020 | 5/9/2020 | 4/28/2020 | 5/9/2020 | 0 |
| 7 System Test | 9 | 12 | 14 | 6 | 12 | 5/10/2020 | 5/21/2020 | 5/10/2020 | 5/21/2020 | 0 |
| 8 User Test | 15 | 17 | 19 | 7 | 17 | 5/22/2020 | 6/7/2020 | 5/22/2020 | 6/7/2020 | 0 |

1. Gantt Chart

e. Gantt Chart



1. **Use-Case Diagram**

Credit Card Transaction Tracking

**`**

Credit Card Owner

1. **Functions**

The software has the notification system which notifies the credit card owner if transaction is made using the credit card.

|  |
| --- |
| **Bank** |
| -transactionID: int  -transactionTime: string  -transactionDate: string  -transAddress: string |
|  |

|  |
| --- |
| **Transaction** |
|  |
| +viewTransaction()  +logIn() |

|  |
| --- |
| **Person** |
| -ownerAcctNo  -Address  -email  -creditCardExp |
|  |

1. **Class Diagram**

1..11

1..\* 

1. **STUDENT-TEACHER MU (Mutual Understanding) SIMULATOR APP**
2. **Problem/Opportunity**

Ease of learning can be attained through many means and the opportunity of online learning comes in handy. Learning without physical contact is through internet resources is a common but without someone’s supervision is making the learning process slow.

1. **Project Description**

The software enables the student to teacher learning process easy. It takes lesson plans from the teacher and the student studies the module designated on the day the module is scheduled on the lesson plan.

1. **Users**

**The users are the student and the teacher**

1. **Inputs and Outputs**
2. Input

The following are the inputs for the student:

* Student Personal Information

The following are the inputs for the teacher:

* Teacher Personal Information
* Teacher License No.

1. Output

* Tabulated Progress of the Student

1. **Budget Estimate**

Hardware (Table, Tablet PC) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Php 50,000.00

Miscellaneous (Stationaries, Energy, Food, Necessities)Php 20,000.00

Software (Programming Tools) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Php 20,000.00

1. **Schedule Estimate**
2. Work Breakdown Structure
3. Work List
4. PERT Chart
5. Schedule Table
6. Gantt Chart
7. **Use-Case Diagram**
8. **Functions**

Log\_In

The authentication of account in the software.

Register

Input information of the users.

Create Lesson Plan

Lesson Plan plotted by the teacher. A guide of module the teacher gives to the student.

Start Lesson

The initiation of the module on the set time in the Lesson Plan.

1. **Class Diagram**