Sample Project Proposal for L5 Practical Project

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**LEVEL 5 DIPLOMA IN COMPUTING**

**COMPUTING PROJECT**

**Choosing Project Title Form**

**1. Student Name : Thiha Kyaw**

**2. NCC Registration No. :**

**3. Exam Cycle : December 2015**

**4. Section Name :**

**5. Center Name : Mandalay Campus**

**6. Course Manager Name :**

**7. Project Supervisor Name : Dr. Aye Aye**

**8. Proposed Project Titles**

|  |  |  |
| --- | --- | --- |
| **No.** | **Title** | **Choice\*** |
| 1 | **Online Music Source** |  |
| 2 | **Online Book Store** |  |
| 3 | **TV Series and Movie Purchase** |  |

\*(Note - Choice is made only by project supervisor.)

**9. Platform (Development and Running System)**

|  |  |  |
| --- | --- | --- |
| **For Title No.** | **Running** | **Development Language** |
| 1 | Web BaseWindows Application | PHP JAVA |
| 2 | Web BaseWindows Application | PHP JAVA |
| 3 | Web BaseWindows Application | PHP JAVA |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Signature** | **:** |  | **Signature** | **: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Student Name** | **:Thiha Kyaw** |  | **Project Supervisor** | **: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Submitted Date** | **: 7.7.2015** |  | **Approved Date** | **: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

**Project Title Choosing Form**

**Introduction**

|  |  |
| --- | --- |
| Organization Name | Ao Neko Online Music Store |
| Establishment | 2013 |
| Head Office | Mandalay |
| Location | Corner of 56th st x 37th st Mandalay |
| Office staff | 20 |
| Business Type | Online Music |
| Branch Offices | 2 |

Ao Neko is the online music store which use online payment system. It was founded in 2013 with 20 staff. The main head quarter is located in Mandalay. The company was originated by Miya, old Japanese. He named the company Ao Neko (blue cat) because he is a cat lover and he want to establish the company with cat related name. There are so many genres of music and albums. The aim of the Ao Neko online music store is to provide everyone to buy songs easily with easy payment and suitable price.

**Acknowledgement**

This project is very important as it is this project is the first project I have ever made. This assignment was lead to me by our teacher , Dr. Aye Aye. I thank her very much because she guides us a lot. I also thank to other lecturer of other subject such as DYW, ADI, ISA and NSC. I also thank to my friends who have a discuss about their respective projects and share their knowledge.

THIHA KYAW

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**Computing Artifact**

**Background of the existing system**

Ao Neko is the online music store which is the TeamAoNeko introduced. It was founded in 2013. There is one main office and 2 branches since it is digital item selling system. The main branch is located in 56th Street x Corner of 37th Street, Mandalay. Ao Neko online purchasing system will sell songs with digital version. If the song is purchased once, the customer will own that song. There will be no region lock system. So you can listen to every song whenever you are, whenever you visit to the foreign. Our company will take 25% of the cost and 75% will go to the Singer or The Band.

Since every process between customer and owner are done in online, the customer needs to fill money with AoNeko-prepaid cards for payments. The customer need to fill some information; contact, email etc… . The customer will pay the price of the music through online payment. And company will inform the customer to their account.

**Problems of the existing system**

* Not enough IT staff
* Not enough data storing server
* There is no registration system in website
* There is no payment in website

**Limitation of the System**

* Customer must purchase album with the top up bill
* Customers cannot purchase anything without signing up

**Aims and Objectives of the project**

**Aims**

Remove the old website design (static website) and remake the new website (dynamic website) design with customer registration system and purchase system.

**Objectives**

* Remake a new website
* Extend the data server size
* Create a database of this store
* Hire staff to make website active
* Contact with music companies and artists for purchasing system
* Hire web designers to improve web design to latest

**Functional scope of the proposed system**

**Applicant Scope**

* Sign up in the website.
* Top-up the prepaid card
* Search for the album
* Purchase and Download

**Staff Scope**

* Check the customer’s money amount in the account
* Help the Users’ problem (FAQs)
* Save the user’s account to retrieve in daily report
* Bank Staff will update top up codes

**Report**

* Provide the weekly report for admin
* Provide Product List
* Provide Staff List
* Provide Bank Staff List

**System Architecture**

**System Design Architecture**

**Structured System Analysis and Design Methodology**

It makes the project to complete before progression to the next progress. It contains texts and diagrams throughout the whole life cycle of the project. It ensure that every processes related with each steps are being done.

**Advantages of SSADM**

SSADM is easy to manipulate the progress and it makes sure the plan by planning and scheduling.

**Disadvantages of SSADM**

The disadvantage of the SSADM is it is difficult to be flexibility. Since it is focuses on the technical requirements, it limits the user improvement. It consumes a lots of time.

**Object-Oriented Analysis and Design**

OOAD is a technique that approach analyzing and designing an application system or the application. OOAD is best iterative because there are no clear progress included but each aspect which OOAD is being applied is refine as it is reused. There are three aspects about software development methodology; Object Oriented Analysis (OOA) that solve the design requirement and all part of architecture of a system, and is aimed on finding what the system should do in terms of key objects.

**Advantages of OOAD**

It can reduce maintenance. It can reuse code. It uses real world modeling. It is reliability and flexibility.

**Disadvantages of OOAD**

It is abandonment of traditional design processes

**Why choosing OOAD**

OOAD is a technique which is used since 1988. Since it is used for several decades , it can be trust and it has many features as it is still updating the technique.

**Design Supporting Tool**

I use StarUML software for ERD diagrams, UseCase Diagram and Sequence Diagram because StarUML is open source software.

**System Development Architecture**

**Form Design**

I will use HTML5 and CSS3 for form design of website

**Detail Development supporting Tools and Platforms**

**Brackets**

Bracket is an IDE which is focus in web developments and design. It is an open source IDE. Its great point is it can perform multitasking, so you can code html and css at once. Bracket IDE is produced for Windows, Mac and Linux platforms. In Brackets IDE, you can develop programs with html, css, javascript and PHP.

**XAMPP**

XAMPP is the open source software which perform web server. It contains Apache HTTP server, MySQL and it knows the php language. XAMPP is easy to install and it supports every version of windows.

**Server scripting language**

**PHP**

Php is server side programming language and it can connect with database easily. It is easy to study and good for dynamic websites. PHP can do actions such as read, write and open on the server side and able run on different OSes. PHP can send the cookies and receive cookies and can create, retrieve, update, delete data in the database. I will use PHP for sever scripting in this project

**Database Server**

**MySQL**

MySQL is the popular database system that mainly use in web developments. MySQL performance is very high and there are many embedded applications which makes it very flexible. It can make transactions commit, rolled back and recovery. MySQL will be database language in my project.

**Work breakdown structure and Gantt Chart**

Screen shot of full gantt chart

