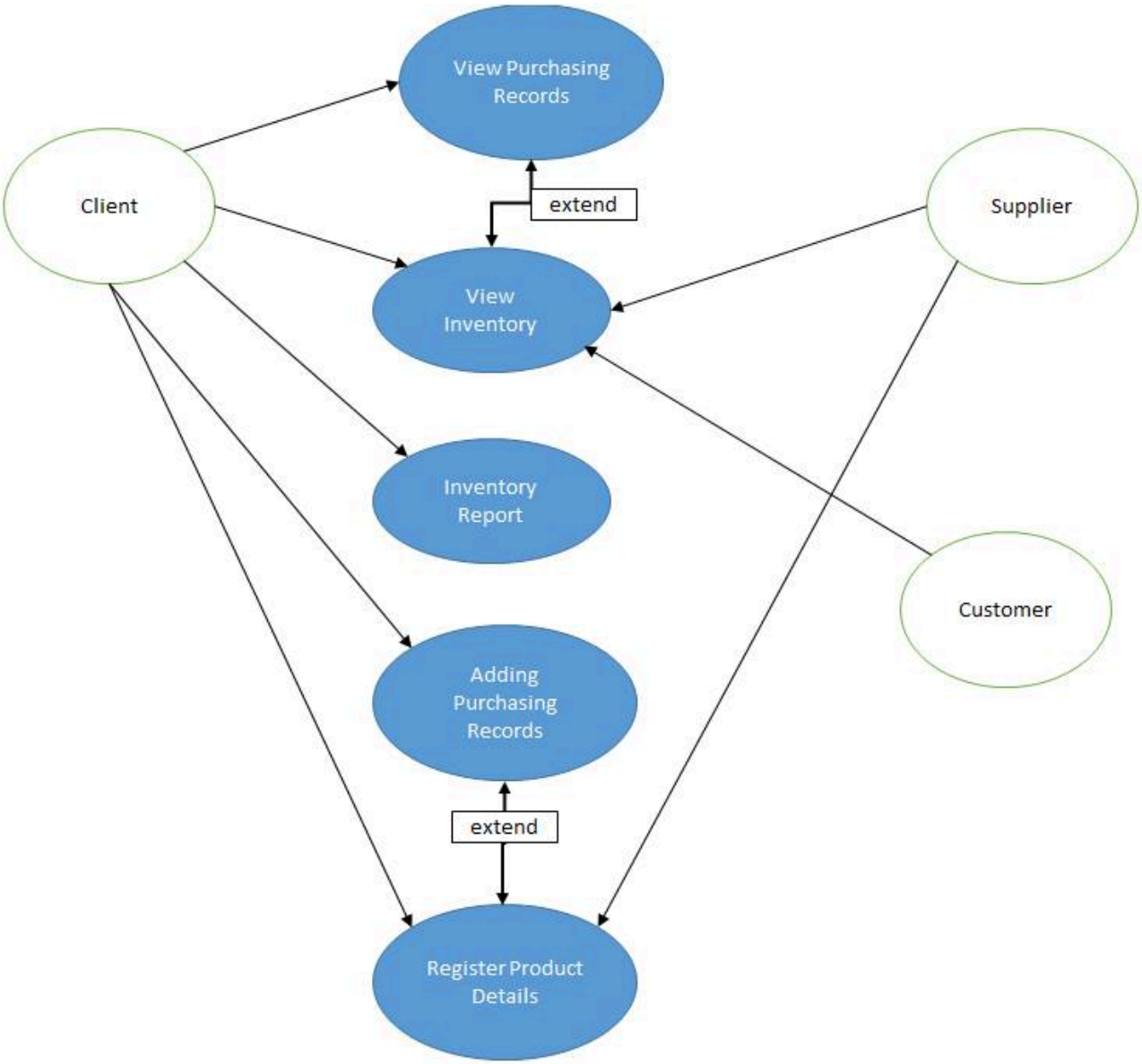
V. Usecase Diagram



Revision History

Version	Date	Revision Description
1.0	Aug. 12, 2014	Initial Description

Use Case List

Use Case ID	Primary Actor	Use Cases
UC-MS-001	User	Inventory Viewing
UC-MS-002	User	Inventory Report
UC-MS-003	User	Adding Purchasing Records
UC-MS-004	User	Viewing Purchasing Records
UC-MS-005	User	Register Products Details

Inventory Viewing

Use Case ID:	UC-MS-001		
Use Case Name:	Inventory Viewing		
Created By:	Peter Parungao	**Last Updated By:**	
Date Created:		**Last Revision Date:**	
Actors:	User		
Description:	User will have the ability to view details of specific Inventory		
Trigger:	User is required to check the status of a product		
Preconditions:	Product must be in ownership of the company Product Code or Product Name for input is correct.		
Postconditions:	User is able to view the details of the Inventory User is notified if the product is not available in the system		
Normal Flow:	1. User provides product ID or Product Name 2. System checks if the product exists a. If product does not exist, display a Notification. 3. System retrieves product details and display in an UI if the product exists		
Alternative Flows:			
Exceptions:	1. When System Connection issue, the User is notified that the connection is unavailable. 2. Notification for errors if the user inputs a code outside the following rules: Product Code 1. Must have at least 5 Alphanumeric keys 2. Must follow product category for the naming of product code. 3. Must not be null. Product Name: 1. Must not contain numbers. 2. Must not be null.		

Includes:	
Frequency of Use:	100 per day
Special Requirements:	Product Code must follow the agreed product coding standards set by the Client
Assumptions:	The Client/User understands English/Tagalog The Client/User has basic Understanding of User Interfaces. The Client/User has basic computer literacy
Notes and Issues:	

Sales Report

Use Case ID:	UC-MS-002		
Use Case Name:	Sales Report		
Created By:	Peter Parungao	**Last Updated By:**	
Date Created:		**Last Revision Date:**	
Actors:	User		
Description:	Inventory Report		
Trigger:	User is in need to view the status of all products in the Inventory		
Preconditions:	Products exists in the Inventory User has an application that can open CSV files		
Postconditions:	User will receive a CSV generated file containing the Report		
Normal Flow:	1. User will activate the Report Button Function on the UI 2. User will then select the destination of the file 3. User will receive the CSV Generated File		
Alternative Flows:			
Exceptions:	No connection on the database Sufficient disk space on the computer being used. System Notification if the directory location is unavailable.		
Includes:			
Frequency of Use:	On demand		
Special Requirements:			
Assumptions:	Database is set up User has basic Computer Literacy on using CSV files		
Notes and Issues:			

Adding Purchasing Records

Use Case ID:	UC-MS-003		
Use Case Name:	Adding Purchasing Records		
Created By:	Mary Rivero	**Last Updated By:**	
Date Created:		**Last Revision Date:**	
Actors:	User		
Description:	Adding Purchasing Records		

Trigger:	Purchase Order has been received
Preconditions:	Product ID is valid in the System Inventory is Low
Postconditions:	User will receive notification that the Purchase has been successfully added in the System' User will also get a notification if the details are input incorrectly.
Normal Flow:	1. User opens the form for adding purchasing order details 2. User input the necessary details for the purchasing order 3. User saves the work 4. System will save the details to the database 5. The Application will notify the user of the successful transaction
Alternative Flows:	
Exceptions:	1. No connection on the database 2. Sufficient database space on the computer being used. 3. Input details incorrect and does not con
Includes:	
Frequency of Use:	On demand
Special Requirements:	
Assumptions:	Database is set up User has basic Computer Literacy on using User Interfaces
Notes and Issues:	

Adding Purchasing Records

Use Case ID:	UC-MS-003		
Use Case Name:	Adding Purchasing Records		
Created By:	Peter Parungao	**Last Updated By:**	
Date Created:		**Last Revision Date:**	
Actors:	User		
Description:	User will have the ability to view details of specific Purchasing record		
Trigger:	User is required to check the status of a product		
Preconditions:	Purchase must be in ownership of the company Purchase Code or Purchase Name for input is correct		
Postconditions:	User is able to view the details of the Purchase User is notified if the Purchase is not available in the system		
Normal Flow:	1. User provides Purchase ID or Purchase Name 2. System checks if the product exists 3. If Purchase does not exist, display a Notification. 4. System retrieves product details and display in an UI if the Purchase exists		
Alternative Flows:			
Exceptions:	1. When System Connection issue, the User is notified that the connection is unavailable.		
Includes:			
Frequency of Use:	100 per day		
Special Requirements:	Product Code must follow the agreed Purchase Identification		

	coding standards set by the Client
Assumptions:	The Client/User understands English/Tagalog The Client/User has basic Understanding of User Interfaces. The Client/User has basic computer literacy
Notes and Issues:	

Register Products Details

Use Case ID:	UC-MS-003		
Use Case Name:	Register Products Details		
Created By:	Mary Rivero	**Last Updated By:**	
Date Created:		**Last Revision Date:**	
Actors:	Manager (Primary)		
Description:	Input product details		
Trigger:	1. There is a new product that is not yet in the product list 2. Product list is empty.		
Preconditions:	1. There is a product that has been faced out.		
Postconditions:	1. System will contain product details. 2. Products will be updated.		
Normal Flow:	1. Manager enters a valid product code 2. Manager enters a valid name of the product 3. Manager enters a valid price of the Product 4. Manager enters quantity of the product 5. Manager hits save button. 6. Manager views product details for checking.		
Alternative Flows:	4a. In step 4 of the normal flow, if the customer is not in the bank network 1. System will prompt customer to accept network fee 2. Customer accepts 3. Use Case resumes on step 5 4b. In step 4 of the normal flow, if the customer is not in the bank network 1. System will prompt customer to accept network fee 2. Customer declines 3. Transaction is terminated 4. Use Case resumes on step 9 of normal flow		
Exceptions:	1a. In step 1 of the normal flow, if the manager enters an invalid product code A prompt message will appear saying, “Please input a valid product code” System lets manager enter a valid product code. Manager enters a valid product code. Use Case resumes on step 2 of normal flow. 2a. In step 2 of the normal flow, if the manager enters an invalid product name. A prompt message will appear saying, “Please input a valid product name”. System lets manager enter a valid product name. Manager enters a valid product name. Use Case resumes on step 3 of normal flow. 3a. In step 2 of the normal flow, if the manager enters an invalid product price. A prompt message will appear saying, “Please input a valid product price”.		

	System lets manager enter a valid product price. Manager enters a valid product price. Use Case resumes on step 4 of normal flow. 4a. In step 2 of the normal flow, if the manager enters an invalid product price. A prompt message will appear saying, "Please input valid quantity". System lets manager enter a valid quantity. Manager enters a valid quantity. Use Case resumes on step 5 of normal flow. 5. Error notification if the User input does not follow the said rules: Product Code 1. Must have at least 5 Alphanumeric keys 2. Must follow product category for the naming of product code. 3. Must not be null. Product Name: 1. Must not contain numbers. 2. Must not be null. Product Price 1. Must not contain letters 2. Must be a positive integer. 3. Must not be null. Product Quantity 1. Must contain numbers only 2. Must be a positive integer. 3. Must be whole numbers. 4. Must not be null.
Includes:	1.3 Viewing of products
Frequency of Use:	Twice a month: Start of the month and middle of the month.
Special Requirements:	
Assumptions:	Products exist.
Notes and Issues:	Product Code 1. Must have at least 5 Alphanumeric keys 2. Must follow product category for the naming of product code. 3. Must not be null. Product Name: 1. Must not contain numbers. 2. Must not be null. Product Price 1. Must not contain letters 2. Must be a positive integer. 3. Must not be null. Product Quantity 1. Must contain numbers only 2. Must be a positive integer. 3. Must be whole numbers. 4. Must not be null.

VI. Project Source Code

The source code of the inventory management system for Happy Mats can be downloaded from GitHub at this link:

https://github.com/paxxxtothemax/HappyMats

VIII. Appendix

Approvals

We have carefully assessed the Use Cases for this project. This document has been completed in accordance with the requirements of the System Development Methodology.

MANAGEMENT CERTIFICATION - Please check the appropriate statement.

_____ the document is accepted.

_____ the document is accepted pending the changes noted.

_____ the document is not accepted.

We fully accept the changes as needed improvements and authorize initiation of work to proceed. Based on our authority and judgment, the continued operation of this system is authorized.
(*=Required **= Submit for Review Approval Not Required)

Jennifer Jade Saret	October 15, 2014
Client	DATE
Project Sponsor*	DATE
Quality Assurance Manager / Team Lead*	DATE
Business Analyst Manager / Team Lead*	DATE
Project Manager	DATE

Resumes

Peter Joraoul A. Parungao
35 Don Senen St., Don Antonio Heights,
Brgy. Holy Spirit, Quezon City
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PROFESSIONAL OBJECTIVE

Seeking a challenging position where I could utilize my mathematical and computer skills and be part of a work environment that will further develop the full potential of my abilities.

Technical Skills

1. Proficient in MySQL, MSSQL 2000 – 2008 R2, ORACLE.
2. Proficient in VB.NET, ASP.Net and .NET 2.0 framework and above
3. Proficient in Android Mobile Development
4. Exposure on MS -Silverlight, VB6, C#.NET, Java, Javascript, XML, HTML, Crystal Reports
5. Proficient on using MS VS 2005 – MS VS 2010, Eclipse

WORK EXPERIENCE

May 2011 up to Present
MIS Developer
NCO – Expert Global Solutions (EGS)

- Applied fixes to the current system that increased the efficiency of loading the initial data and brought about a quantifiable decrease in the loading time up to 70 – 95%.
- Redesigned database and coding structure of a Ticketing system that enhanced the effectiveness of user sessions and speed that greatly improved user service and workforce scheduling.
- Maintained and Improved support applications used for Timekeeping, Leave and Overtime tracking, Employee Records and movements and New Hire Tracking.
- Developed an application using an SMS modem intended to send out emergency text messages for Business Continuity Processes
- Developed a web based Employee Tracking that handles online submissions and approvals using Javascript, Java , Crystal Reports, SQL and .NET Technology that reduced delayed employee movement turnover up to 70%.
- Developed a web based Time keeping System that services more than 10,000 users using Javascript, SQL and .NET Technology.
- Introduced OOP methods that promoted maintainability of the source codes and increased the efficiency of all algorithms in the system.
- Part of 6 man team that converted the current applications into a Web Based system.
- Generated and automated reports critical for Payroll, SAP Organization Management and HR.

- Integrated databases of merging companies with minimal downtime.
- Improved security and validations for applications that enforced data integrity.
- Automated Employee movements that minimized the number of delayed company movements and minimized paper routing using applications with integrated Crystal Reports.
- Successfully published critical updates well within the deadlines and fully supported the initial deployment phase.

August 2010 up to May 2011
Software Developer
FILMETRICS Corporation – BDSF

- Develop Programs for validating demographics, *Images* and *WSQ* (fingerprints) files using VB.NET, MSSQL, ORACLE, MS ACCESS and Third Party Softwares (SDKs
- Created a Prototype Inventory Management System for Equipment and Employees with MYSQL and ASP.NET(Windows Application)
- Coordinates and monitors troubleshooting and provides solutions to technical problems faced by the employees/company
- Handled Documentations on Data Analysis, High Level Designs, Database Structure of programs developed for the Company

March 2009 up to July 2010
System Analyst and Programmer
Planters DB Properties Inc.

- Updated Manual on Policies and Procedures for a Realty-based company
- Designed and supervised database management that minimized system errors and maximized web capabilities
- Designed User Interfaces using Photoshop and other Image Editing tools
- Developed a prototype Realty based Inventory system and participated in both operational analysis and software development using ASP.NET and MYSQL
- Responsible for interacting with the customers and employees to understand their requirements and suggestions
- Provided data analysis, documentation to map data, workflow, and processes from different sources.
- Collaborated with the designs of marketing division that helped increased on sales and feedback returns
- Coordinated and monitored troubleshooting and provided solutions to technical problems faced by the employees
- Handled and supervised Network Maintenance

2008 to 2009
Tutor and Reviewer
Brain-Train Review Center (Los Baños)

- Supervised eight review classes in mathematics daily, with 30 to 40 students per class who were preparing for UPCAT and entrance exams to PSHS/UPHRS and other top educational institutions.
- Assisted customer service and helped give out information to guests and potential clients.

THESIS WORK

Data Mining Sensor Project(2014 DOST - Ateneo)

- Part of the team that will handle system requirements and data gathering and play a vital role in designing and programming the mobile and database/web development.

EDUCATIONAL BACKGROUND

2013 to present
Master in Information and Technology

Ateneo de Manila University

2004 to 2009
Bachelor of Science in Mathematics
University of the Philippines-Los Baños

Mary Grace M. Rivero

62-A Darter Terrace, West Kalayaan, Subic Bay Freeport Zone ♦ 09173198989 ♦ mary.rivero@obf.ateneo.edu

JOB OBJECTIVE

To gain an enriching experience where I can contribute in the areas of **computer and IT, research and development, human resources** and other related openings.

EDUCATION

Ateneo de Manila University
Masters in Information Technology (SOSE) *Present*
*Bachelor of Science in **Legal Management,** Minor in **Information Technology Management (JGSOM)***
Scholar *June 2009 – March 2013*

Grade School Class Salutatorian *March 2005*

CO-CURRICULAR ACTIVITIES

Ateneo Women's Lawn Tennis Team | Team Captain (*2011-2014***)** *2009-Present*
Varsity team representing AdMU in UAAP, UniGames, Philippine Columbian Association, Intercollegiate Tournament, etc.
Helped the team achieve its one of the highest attainment in UAAP Tennis in the history of the Ateneo (2nd Place in Season 73)

Ateneo Lex (LEX) *2009-2013*
Home organization of students in the Legal Management Program
• *Active member of the organization*
Participated in the events such as Lex Bazaars, JGSOM Games (played for LEX), Business Law Conference, etc.

WORK-RELATED EXPERIENCE

Project Officer, College Athletics Office
• *As Project Officer, I handle academic related affairs of the student athletes of Ateneo de Manila University. I am also part of the team who organizes the events of athletes such as Cheer Rally, Send-off Mass of athletes, Athletes' Night and Bonfire.*

Internship, Ateneo Java Wireless Competency Center (AJWCC) *September 2013-Present*
• *Assisted in the projects like eHEALTH Tablet, eHatid and Ascent*
• *Started with the Respond, a project for Psychological Association of the Philippines for the monitoring of their volunteers*

Cake Blends, Leadership and Strategy Project
2012-Present
• *As **Co-Owner**, oversees the daily operations, Logistics and Research and Development of the business*
• *In-charge of knowing the trends in the market as well as product innovations*

Francis Merchandising, Family Owned Company

- *Had a sort of internship at our own company during the summer of 2012. I administered the daily operations as well as organized and managed the inventory of the business by introducing applications like the InFlow inventory system to help easily manage the company's inventory.*

Duets for Del Monte, Marketing Project

- *Co-creator of the business plan and market research for our Marketing102 Project.*

AWARDS

Individual:

MVP Player of the year of the Ateneo Women's Lawn Tennis Team (2013), Reached Semi-Finals in the **1st Asean University Championship** held in **Perlis, Malaysia** (2011), **Ranked No. 7** in the Philippine Tennis Association in the 18-under Girls Category (2010)

Team:

2nd Place in the UAAP Season 73, 3rd Place in the UAAP Season 72, 2nd Place in Philippine Columbian Association Intercollegiate Tournament, 2nd Place in Milo Intercollegiate Tournament

SKILLS & INTERESTS

Fluent in English and Filipino and I also understand basic Japanese. Proficient in MS Office, I like exploring the web or any applications related to computers and other technologies. Adventurous, I like traveling with family and friends and I enjoy being spontaneous and going with the flow. I love watching series and going on a food trip more than shopping. I am observant as people might say because it is a hobby of mine that when I meet new people, I like to know whether they are left handed or right handed just by observing them. I am very athletic, I like trying different sports. It has helped me discipline myself, have good time management skill which all has made me a balanced and a well-rounded type of person.