

**Project Status Report**



**Project Name:** Revenue Management System for SM Hotels and Conventions

**Department:** School of Computing and Information Technology

**Focus Area:** SM Hotels and Conventions

**Product/Process:** ­Revenue Management System



**Prepared By:**

|  |  |
| --- | --- |
| **Document Owner(s)** | **Project/Organization Role** |
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| Justin A. Parado | Project Developer |

**Project Status Report Version Control**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Change Description** |
| 1.0 | 04/05/17 | Nicole Angelyn T. Lopez | Document created |
| 2.0 | 04/09/17 | Nicole Angelyn T. Lopez | * Abstract * Problem Statement * Context Diagram * Use Case Diagram |
| 2.1 | 06/28/17 | Justin A. Parado | * Event Table * Revise use case diagram * Revise use case full description |
| 2.2 | 07/05/17 | Jason Adriano | * Revise use case diagram * Object Diagram * Deployment Diagram * Activity Diagram |
| 2.3 | 07/05/17 | Samantha Munar | * Timing Diagram * Sequence Diagram * State Diagram * Communication Diagram |
| 2.4 | 07/10/17 | Andrey Buzon | * Component Diagram * Composite Diagram * Package Diagram * Interaction Diagram |

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# PROJECT STATUS REPORT PURPOSE

The Project Status Report is for the benefit of the team in which members would be able to review clarifications about what has been done and which tasks are pending through regular reports. Additionally, the stakeholders may view the milestones appropriated by the team and decide whether the milestones are within the project’s best interests.



# PROJECT STATUS REPORT TEMPLATE

## Project Status Report Details

The project is currently in the state of creating an actual prototype of the system so that the stakeholders may see our interpretation and give suggestions, approvals, or disapprovals. Additionally, as further contact with the client means more knowledge of the desired system accumulated, some parts of the paper may experience the occasional change.

**Status of the Project**

* After creating an initial prototype, further refining is in order as well as clarifying and redefining some project requirements.

**Project Description**

* + The project is a revenue management system to be used by SM Hotels and Conventions. Using three performance metrics – occupancy rate, average daily room rate, revenue per available room - that hotels generally use, services provided can be used at the utmost efficiency to maximize revenue growth.

**Milestone deliverables for the last reporting period**

* + Deliverables this last reporting period are mainly focused around creating more UML diagrams. These are the object, revised use case, activity, and deployment diagrams which were due last 07/05/17 and the state, communication, timing, and sequence diagrams which were due last 07/07/17 as well as the component, interaction, composite, and package diagrams which were due last 07/10/17. The team also has secondary priorities such as finding legitimate hotel revenue records so as to make sample runs with the researched forecasting techniques. Additionally, the development of the prototype is also underway.

**Project impact of success or failure milestone deliverables for the remaining period of the project**.

* + The diagrams will most likely have a significant impact on the system development itself as well as to people who may one day deign to read the documentation. Since the diagrams will have to be used as guidelines before, while, and after the project development, special attention will have to paid to them, ensuring the team to make copious revisions and adjustments to them during the project life cycle.

**Risk Management Report**

* Creating mistakes in the UML diagrams may make dilemmas before, during and after the system development. The team therefore is making a special effort to make copious revisions and adjustments to the diagrams whenever they see a justified reason to do so.

**Issues Report**

* The team cannot find any open-source revenue forecasting systems. Revenue management systems’ revenue forecasting features are all under crippleware. As a result, there is a significant risk that the forecasting module the team will provide may not be very conventional.

**Project recommendation to ensure success including lessons learned**

* The team needs to contact the people under involved company sectors (e.g. marketing and sales, IT) in order to find out more of the technical details and the elemental functions of the desired output. This would require a more organized form of talking with the clients and the project advisors as well improved internal communication.

## Project Status Report Template

|  |  |  |
| --- | --- | --- |
| Project Name | | |
| Prepared By:  Justin A. Parado | Date:  07/02/17 | Reporting Period:  07/03/17 to 07/09/17 |
| Project Overall Status:  The project is now moving onward with the documentation process, specifically on the creation of UML diagrams. In this week alone (5th week) the team has made a submission of a total of seven new diagrams with the eighth one being another revision on the use case diagram. Another goal is studying more about causal and time-series forecasting models. Additionally, the team is aiming to find a complete set of legitimate reports from other hotels in lieu of the ones that are supposed to come from SM so that tests using various forecasting techniques can be carried out early. Furthermore, the creation of a prototype is to be continued next reporting period once the diagrams have been submitted for revision. | | |
| Project Summary:  Efforts are primarily directed towards creating the UML diagrams as they have closer deadlines. As a second priority, the team aims to find legitimate revenue reports from another party as a means of testing researched forecasting techniques. The prototype’s development is to be continued next period. | | |
| **Milestone Deliverables performance reporting over last period**   |  |  |  |  | | --- | --- | --- | --- | | **Milestone Deliverables** | **Due Date** | **% Completed** | **Deliverable Status** | | Revise event table | | | | | * Revise use case diagram | 07/10/17 | 100% | On Schedule | | * Revise fully-dressed use case diagram | 07/10/17 | 100% | On Schedule | | * Revise event table | 07/10/17 | 100% | On Schedule | | Tune up prototype | | | | | * Set up basic functionalities | 07/10/17 | 0% | On Schedule | | * Improve GUI | 07/10/17 | 0% | On Schedule | | * Implement the additional features (may be non-functional) | 07/10/17 | 0% | On Schedule | | Research about analytical methods in forecasting (predictive analytics) | | | | | * Learn more forecasting models | N/A | 60% | On Schedule | | Project documentation – UML diagrams | | | | | * Use Case Diagram | 07/05/17 | 100% | On Schedule | | * Event Table |  |  |  | | * Fully-dressed Use Case Diagram |  |  |  | | * Deployment Diagram | 07/05/17 | 100% | On Schedule | | * Object Diagram | 07/05/17 | 100% | On Schedule | | * Activity Diagram | 07/05/17 | 100% | On Schedule | | * Timing Diagram | 07/07/17 | 100% | On Schedule | | * State Diagram | 07/07/17 | 100% | On Schedule | | * Sequence Diagram | 07/07/17 | 100% | On Schedule | | * Communication Diagram | 07/07/17 | 100% | On Schedule | | * Composite Diagram | 07/10/17 | 100% | On Schedule | | * Interaction Diagram | 07/10/17 | 100% | On Schedule | | * Package Diagram | 07/10/17 | 100% | On Schedule | | * Component Diagram | 07/10/17 | 100% | On Schedule | | | |
| **Milestone Deliverables scheduled for completion over next period**   |  |  |  |  | | --- | --- | --- | --- | | **Milestone Deliverables** | **Due Date** | **% Completed** | **Deliverable Status** | | Re-review the understanding of the problem domain | | | | | * Review user views | 07/07/17 | 100% | On Schedule | | * Identify the specific system events | 07/07/17 | 100% |  | | * Form the system architecture | 07/07/17 | 100% |  | | * Form the uniform assumptions the team should act upon | 07/07/17 | 100% |  | | Revise the UML Diagrams | | | | | * Use Case diagram |  |  | On Schedule | | * Event Table |  |  | On Schedule | | * Fully-dressed Use Case Diagram |  |  | On Schedule | | * Deployment Diagram |  |  | On Schedule | | * Object Diagram |  |  | On Schedule | | * Activity Diagram |  |  | On Schedule | | * Timing Diagram |  |  | On Schedule | | * State Diagram |  |  | On Schedule | | * Sequence Diagram |  |  | On Schedule | | * Communication Diagram |  |  | On Schedule | | * Composite Diagram |  |  | On Schedule | | * Interaction Diagram |  |  | On Schedule | | * Package Diagram |  |  | On Schedule | | * Component Diagram |  |  | On Schedule | | | |
| **Project impact of milestone success or failure for project remainder**   |  |  | | --- | --- | | As regards the documentation process the focus has shifted more towards the creation of UML diagrams. Secondary objective include practical applications of researched forecasting methods as well as developing the prototype. However, the team has realized that it has too many distributed assumptions amongst its members. Thus, a rigorous re-reviewing of the problem domain is in order, followed by a complete overhauling of all the UML diagrams. | Future developments on the project hinge on how the group’s issue on identifying uniform assumptions pertaining to the problem domain. This is because future developments depend on the various features, nuances and programming approaches that will be illustrated in the diagram. | | | |
| **Project** **Budget/Financial Status**   |  |  |  |  | | --- | --- | --- | --- | | **Budget Item** | **Planned Budget** | **Actual Cost** | **Variance/Explanation** | |  |  |  |  | |  |  |  |  | | | |
| **Project Risk Management Status**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Risk and Description** | **Risk Chance** | **Risk Impact** | **Risk Priority** | **Change from Last Review** | | * Errors in the diagrams may be detrimental to the future development of the system itself. | Medium | Medium | Medium | None | | * Lack of attention being paid to forecasting methods. | Low | High | Medium | None | | | |
| **Project Issue Management Status**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Issue and Description** | **Project Impact** | **Target Due Date** | **Issue Status** | **Issue Resolution** | | * Getting a regular schedule to meet with the stakeholders has been very difficult to obtain until now. | High | 06/29/17 | Closed | The representative, Sir Neil Rumbaoa, has explicitly stated that only one person may act as a representative from each class in the case of gathering required information or material. As an adjunct, he advised that any electronic correspondences be carbon copied to Ms. Rhea Luz Valbuena as well as to the team’s project advisor in order to be more organized and noticeable. | | * There are no open-source revenue forecasting tools to be found. | High | N/A | Closed | Since most revenue forecasting systems’ forecasting features are locked, the team’s forecasting methods may not come out as conventional. | | * The team has too many ambiguous and scattered assumptions about the system which translate into incongruous diagrams. | High | High | Closed | A program and a list of agendas for the team’s twice a week meeting has been established and agreed upon. These reformation meetings have started last 07/06/17 and will continue indefinitely. | | | |
| **Project Recommendations**   |  | | --- | | Cooperation with the client is imperative for the success of this project. This affects the project quality and speed of completion. Furthermore, the team’s schedule as students give them enough time to pay attention to the project, however, the availability of the client seems to be questionable. | | | |
| **Objectives for Next Project Status Review**   |  | | --- | | Currently, the first prototype has been finished but is still awaiting reviews from our contact person (Sir Neil Rumbaoa). In the meantime, the group would focus more on learning about analytics on forecasting, and if the opportunity arises, a new prototype may be created as well. Additionally, a series of agendas has been created in order to clear up confusion in the problem domain and to create a uniform set of assumptions within the team. Following this would be a complete overhaul of the UML diagrams to ensure correctness, consistency, and congruity. | | | |
| **Related Project Information**   |  | | --- | | * Official project documentation page   <http://projects2.apc.edu.ph/wiki/index.php/Forecasting_Module_for_Revenue_Management_Tool_for_Taal_Vista>   * GitHub Repository  1. SYSADD1: <https://github.com/seans888/Forecast-Module-2> 2. SYSADD 2: <https://github.com/srmunar/eXUSIA> | | | |



# PROJECT STATUS REPORT APPROVALS

**Prepared by** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Manager

**Approved by** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Advisor

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Client Sponsor



# APPENDICES

## Document Guidelines

## Project Status Report Sections Omitted

