CSC430 - Software Engineering

Apartment Rental Management System

Deployment Plan

<December><2015>

Version *<1.0>*

Revision History

**Note**: The revision history cycle begins once changes or enhancements are requested after the Deployment Plan has been baselined.

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| 12/01/2015 | 0.1 | System created, very minimal features working. | Faheem Syed |
| 12/02/2015 | 0.2 | GUI app design complete. | Faheem Syed |
| 12/04/2015 | 0.3 | Most GUI Functions working. | Faheem Syed |
| 12/05/2015 | 0.5 | GUI basic functions complete with a few bugs still in system. | Faheem Syed |
| 12/08/2015 | 1.0 | System complete. | Faheem Syed |

Artifact Rationale

The Deployment Plan defines the scope and approach planned for the deployment of project deliverables. The plan includes information about system support, issue tracking, escalation processes, and roles and responsibilities that apply before, during, and after deployment. Its purpose is to provide clients, stakeholders and support personnel with a smooth transition to the new product or software. It should be structured appropriately, to reflect deployment planning for a single location or multiple locations, a single-phase deployment or a multiphase deployment, and should identify the requirements and responsible party for each process step.

Instructions

| Activity | New Capability (A) | Feature Enhancement (B) |
| --- | --- | --- |
| **Field Deployment (1)** | No | No |
| **Cloud/Web Deployment (2)** | Yes | Yes |
| **Mobile Application (3)** | No | No |

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# Introduction

This document describes the plan to deploy and install the Apartment renter, as managed through the Apartment Rental Management System project. This document is a companion to the project management plan for this effort.

## Purpose

The purpose of this plan is to provide a single, common document that describes how, when, where, and to whom the Apartment renter will be deployed and installed. Appropriate communications planning should also be completed, as well as the training plan and rollout schedule.

## Key Definitions

**Deployment Design**. Phase of the solution life cycle in which architectural design and implementation specifications are developed and tested. The preparation of plans and specifications necessary to implement the solution are part of the Deployment Design phase. At the end of the Deployment Design phase, a solution is ready for implementation in the production environment.

**Implementation**. Phase of the solution life cycle in which the newly designed or changed hardware, software, functionality, or process is installed into the production environment and activated. The specifications and plans created during Deployment Design steer the work that is performed during the Implementation phase.

**Release**. Release baseline is defined as the product build (software and hardware specifications) along with the body of documents that support testing, installation, operations, training, and support of the product. Projects will determine the release baseline early in the development cycle. Baseline components enter change control once the project is approved for deployment.

## Plan Overview

Deployment and installation of Apartment renter is planned as an online rollout to the public

Deployment will be performed by A.R.M.S team members with representatives from peer organizations, as needed. Installation will be performed by <A.R.M.S team members, along with representatives from peer organizations.

## Assumptions

The Deployment Plan is developed with the following assumptions:

* Deployment, installation, and ongoing maintenance costs (including capacity planning, recurring costs) will be identified and funded. All funding sources and issues should be resolved and documented prior to deployment and installation.
* Product Development will complete collaborative field testing (site survey) prior to deployment.
* Release Management will certify production readiness based upon the level of testing that has occurred prior to deployment. As part of the release baseline, this information will be identified in the release profile.
* Product Development will provide a training plan prior to deployment.

# Roles and Responsibilities

Table 1: Deployment Roles and Responsibilities

| ID | Team | Phase / Role | Tasks | Project Phase (See Schedule) |
| --- | --- | --- | --- | --- |
|  | Product Development | Deployment | Plan and schedule deployment (including orchestration with vendors) | 1 |
|  | Product Release | Deployment | Release product for public use | 2 |

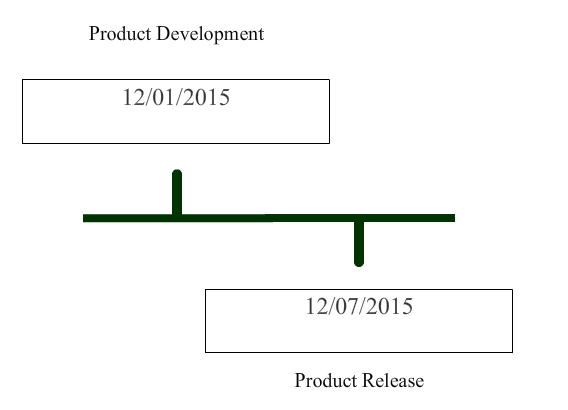
# Schedule

The Schedule section of this document must be completed for all project types.

This section provides the schedule and milestones for the deployment..

## Timeline - ESE/FO

The deployment and installation is scheduled to run for 1 week as depicted in the master deployment schedule <Master A.R.M.S Schedule>.

**

The master deployment schedule is available at www.ApartmentRentalManagementSystem.com

# Site Readiness Assessment

The Site Readiness Assessment section of this document must be completed for project types 1a and 1b. For other project types it is optional. The PM should tailor these paragraphs according to the characteristics of the project, to answer the following:

* Where is this deployment happening? This system will be released online to the official A.R.M.S website
* What product, site, or object is the physical recipient of this deployment? [www.ApartmentRentalManagementSystem.com](http://www.ApartmentRentalManagementSystem.com) is the official website that will receive the deployment.
* Is it happening at physical locations? No this is only an online release.
* Is it happening to devices? Desktops? Mainframe systems? No.
* Is there a site readiness checklist available that can be completed prior to installation? No, There is no installation, just log onto [www.ApartmentRentalManagementSystem.com](http://www.ApartmentRentalManagementSystem.com) and the system will be available.

This section discusses the locations that will receive the <product> deployment..

## Site Information (Locations, Deployment Recipients.)

www.ApartmentRentalManagementSystem.com

## Site Preparation

Describe the preparation required for the site at which the system will operate. Define any changes that must occur to the operational site and specify features and items that should be modified to adapt to the new product. Identify the steps necessary to assist the customer in preparing the designated sites for installation of the accepted products.

The following table describes preparation required by the site prior to deployment.

Table 2: Site Preparation

| Site/Other | Problem/Change Needed | Features to Adapt/Modify to New Product | Actions/Steps | Owner |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

## Assessment of Deployment Readiness

Describe the method used to assess deployment readiness.

# Resources

The Resources section of this document must be completed for all project types. Note that Section 5.1: Facility Specifics is optional, depending upon the relevance of the topic to the project circumstances. The PM should tailor these paragraphs according to the characteristics of the project.

Use this section to describe hardware, software, facilities, and documentation required for the deployment and installation.

Hardware, software, systems post-deployment support, and system support roles and responsibilities are defined in the Project OM Plan.

## Facility Specifics (optional)

Provide additional details about facilities required to install the product. The term “facilities” may refer to special buildings or rooms within the sites. Specifics may be raised flooring, power requirements, and special features to support privacy and security requirements that are unique to particular facilities.

The following table lists facility-specific features required for deployment.

Table 3: Facility-Specific Features

| Site | Space/Room | Features Needed | Other |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## Hardware - ESE

Identify the hardware required to run and support the deployment, as required. Specify model, versions, and configurations..

The following table describes hardware specifications required at each site prior to deployment.

Table 4: Hardware Specifications

| Required Hardware | Model | Version | Configuration | Manufacturer | Other |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Please see the Roles and Responsibilities table in Section 2 for details about who is responsible for preparing the site to meet these hardware specifications.

## Software - ESE

Identify the software required to run and support the deployment, as required. Specify product, versions, and configurations. Provide information about manufacturer support and licensing.

The following table describes software specifications required at each site prior to deployment.

Table 5: Software Specifications

| Required Software | Make | Version | Configuration | Manufacturer | Other |
| --- | --- | --- | --- | --- | --- |
| Windows |  | 7 |  | Microsoft |  |
| OSX |  | 8 |  | Apple |  |

Please see the Roles and Responsibilities table in Section 2 above for details about who is responsible for preparing the site to meet these software specifications.

# Documentation and Training

The Documentation and Training section of this document must be completed for all project types. The PM should tailor these paragraphs according to the characteristics of the project.

This section describes the products and processes planned to provide product documentation and training.

## Training (optional)

The ability to use a web browser and a simple search engine is all that is required of any party.

# Approval Signatures

This section is used to document the approval of the Deployment Plan during the Formal Review. The review should be conducted face to face where signatures can be obtained ‘live’ during the review, however the following forms of approval are acceptable:

Signed: \_\_\_\_\_\_\_\_\_\_\_\_\_Faheem Syed\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: Faheem Syed Date 12/16/15

Title (Senior Manager from Service Delivery & Engineering)

REVIEW DATE: <12/16/2015>

SCRIBE: <12/16/2015>

Signed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Release Manager Date

Signed:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Program Manager Date

Signed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Business Subject Matter Experts Representative Date

Signed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Software Engineering Representative Date

Template Revision History

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| February 2013 | 1.1 | Updated formatting | Process Management |
| January 2013 | 1.0 | Initial Version | PMAS Business Office |