

# Low Level Design Document

iRevatureTrainingRoomMaintenanceScheduler

iOS Mobile App Development Batch

Location : USF – NEC

Version: 1.0

Change History:

Author	Date	Description	Reviewed by

# Contents

1. Introduction
2. Use cases
3. Use Case Diagram
4. App Database Design
5. App Configurations
6. UI/UX Wireframes
7. Class Diagram
8. Component Diagram
9. Deployment Diagram
10. API's Consumption

## Introduction

The Revature Room Maintenance app is designed to ease the task of maintaining clean training rooms. Trainers can select rooms they are assigned to and update the daily status of those rooms while site managers are able to view all rooms and verify that rooms are being inspected daily. This app also provides site managers the ability to generate reports for a selected room.

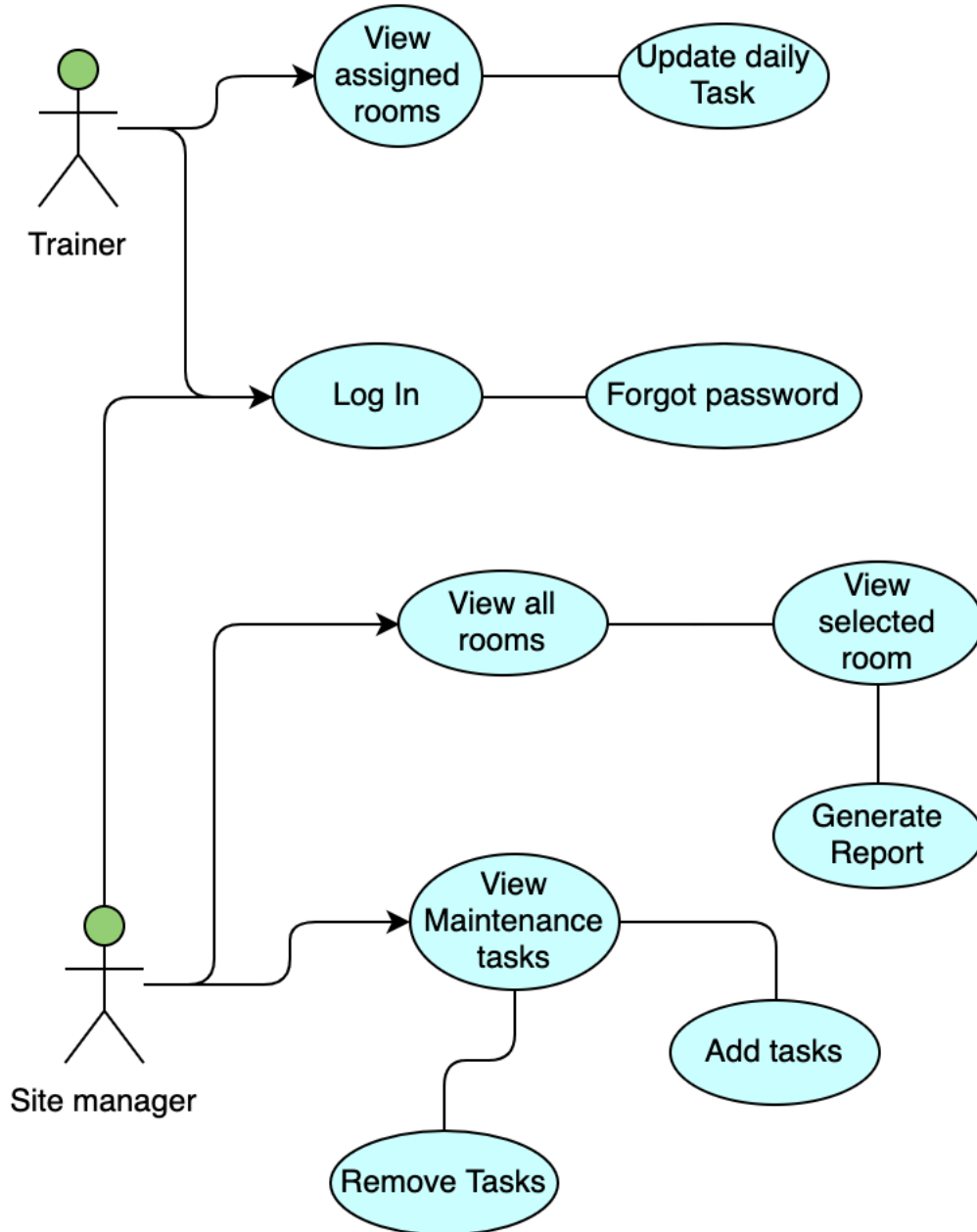
### Configuration

Tools & Phones	Version
<b>Xcode</b>	11.3.1
<b>SWIFT</b>	4.2
<b>iPhone</b>	6 and newer
<b>iOS</b>	8.0 to 12.0

## Use Cases

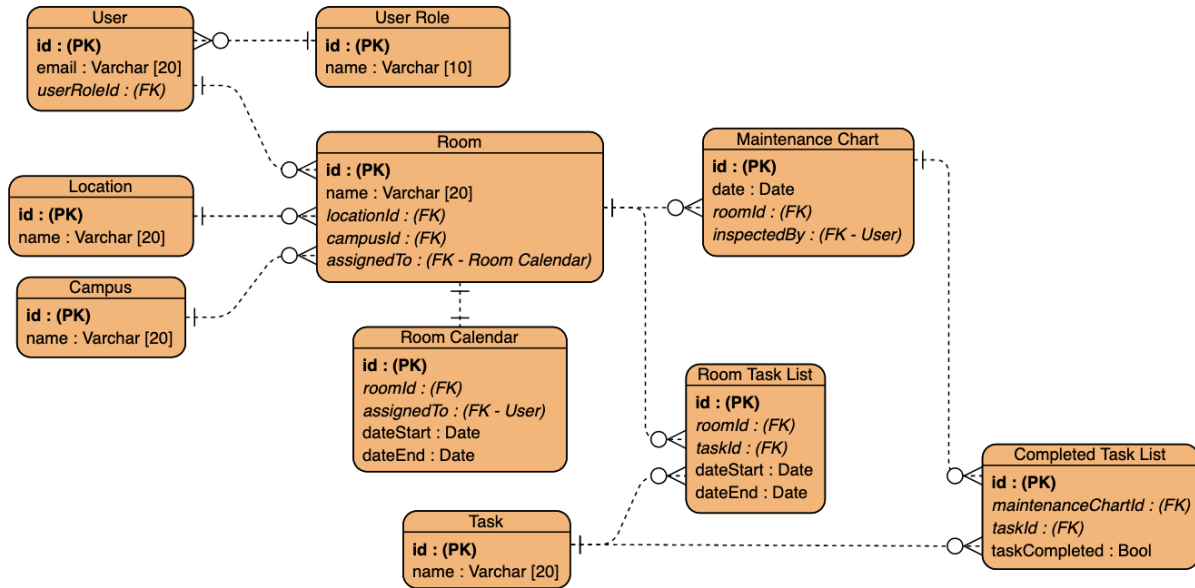
User Story	Use Case
As a User I want to put in my email and password and click submit in-order to login.	A trainer can access user login and provide their credentials
	A site manager can access user login and provide their credentials
As a User, if I forgot my password I should be able to click a link to reset my password.	A trainer can access forgot password and provide an email to reset their password
	A site manager can access forgot password and provide an email to reset their password
As a Site Manager, I want to select a training room to view its maintenance schedule history	A site manager can select any training room under their assigned location to view the maintenance schedule for the selected training room
As a Trainer, I want to update the maintenance schedule for a selected room.	A trainer can manage the assigned tasks for rooms they are assigned to and submit the updated tasks
As a Site Manager, I can add or remove a new task to a maintenance schedule.	A site manager can access a view to edit assigned tasks for training rooms at their location
	In the edit view, a site manager can add a new task to be completed for training rooms
	In the edit view, a site manager can remove a task which no longer needs to be completed for their location
As a Site Manager, I should be able to view a maintenance log that I can save in another format so I can share that documentation with parties who do not have access to Revature	When viewing the maintenance history for a selected training room a Site Manager should have the option to receive a report for the selected room
	The report selection should prompt a site Manager to save or share the report for the selected room
As a trainer, I want to view the rooms which are assigned to me so that I may update their maintenance schedule	After log in, a trainer should see rooms their current batches are assigned to
	The trainer can select a room based off the batches assigned to them

## Use Case Diagrams



## App Database Design

External File: App\_DB\_Room\_Maintenance.xlsx



UI/UX Wireframes

REVATURE

Log In

E-mail Address

Password

Forgot your password? [Click here](#)

Log In

Revature Logo

Forgot Password?

User

Update Credentials

Account Verification:

Method: Question/ Email Code

Response:

New Password:

Re-Enter:

Submit

REVATURE

Log In

E-mail Address

Password

Forgot your password? [Click here](#)

Log In

Revature Logo

Trainer View

User

Room: 

NEC 300

Clean:

Organised ☒

Whiteboards ☒

Desks ☒

Approve Assign

Revature Logo

Trainer View

User

Date: 

02/03/2020

Delegate: 

Marv Apple

Room: 

NEC 300

Status: 

Not Ready

\_View Reports? 

View

Revature Logo

Trainer View

User

02/03/2020 

View

Inpe	Dele	Roo	Stat
Uday	Marv	300	<input checked="" type="checkbox"/>
Uday	Wes	250	<input checked="" type="checkbox"/>
Mariah	Wiz	336	<input type="checkbox"/>
Steve	Liz	336	<input checked="" type="checkbox"/>

REVATURE

Log In

E-mail Address

Password

Forgot your password? [Click here](#)

Log In

Revature Logo

Site Manager

User

Schedule

Site & Camp: 

USF

Room: 

NEC 300

Maintenance Criticion:

Clean:

Desks ☐

Chairs ☒

Desks ☒

Whiteboards ☐

Schedule

Revature Logo

Site Manager

User

Schedule

USF

NEC 300

View

View

Trainer: 

Uday Apple

Assign

Room: 

NEC 300

Status: 

Not Ready

\_View Reports? 

View

View Email

Revature Logo

Site Manager

User

Reports:

02/03/2020

Inpe	Dele	Roo	Stat
Uday	Marv	300	<input checked="" type="checkbox"/>
Uday	Wes	250	<input checked="" type="checkbox"/>
Mariah	Wiz	336	<input type="checkbox"/>
Steve	Liz	336	<input checked="" type="checkbox"/>

Email