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Use Case Model Survey for Content Management Portal

# Introduction

The **Index Info Systems Pte Ltd (IIS)** requires the development and deployment of a web learning portal for their business strategy partners and customers to fulfill their staff learning and training requirements. Through this system, IIS can create unlimited and diverse learning packages, including the learning content, MCQ (Multiple Choice Question), Survey, Certificate, User Control etc. IIS can then sell the packages to their business customers, and support them with their staff learning process. The user requirements are defined in "User Requirements Specification" of Content Management Portal. The system is to be developed using object-oriented techniques and Microsoft C# and .NET platform.

The highest level of object oriented analysis involves describing the requirements in terms of Use Case. The aim of the Use Case Model is to provide an overview of these use cases and their users.

# Survey Description

The main users of the Content Management Portal are the:

1. The User who select the course, attend the course, take the exercise or exam, take the survey and print out certificate.

2. The User Admin who maintain users profiles and user-course profiles.

3. The Portal Admin who maintains the students, course materials, generates reports and system administration.

The sequence of the use cases which are typically performed in the system are described in the following subsections.

# Actors

# User

Documentation: Who will obtain the necessary information for their training needs. The user will be able to browse the assigned learning modules, take exercise or examination, monitor their own learning progress, print report, and exam certification.

# User Admin

Documentation: Training Management Staff in an organization who subscribed the services as a member. The member will be using the system to enroll trainees, assign modules to the trainees, manage the contents in the module and post the publications in the forum via the web portal.

# Portal Admin

Documentation: the service provider IIS, who will maintain company membership, learning modules, questionnaire, surveys, print reports and members. And will also

manage the system access control rights and be responsible for the system maintenance.

# Use Cases

# Maintain customer

Documentation: This use case enable the maintenance of customers by Portal Admin. Customer refers to companies or partners who subscribes to Content Management Portal. It allows Portal Admin to add, modify or delete customers' profile.

# Maintain Data Access Profile

Documentation: This use case allows the Portal Administrator to maintain Data Access Profiles. It includes creation, modification and deletion as well as view the information for the profiles.

# Maintain Function Access Profile

Documentation: This use case allows the Portal Administrator to maintain Function Access Profiles. It includes creation, modification and deletion as well as view the information for the profiles.

# Maintain Lesson

Documentation: Portal administrator creates, uploads and publishes the content. Portal Administrator has the full rights to the content whereby he/she can access all the contents across all the modules. Once the contents are published, portal administrator will create user administrator of any customer.

# Maintain Login/Logout

Documentation: This is the use case where login to the system is properly authenticated and logout is logged.

# Maintain MCQ

Documentation: This use case will allow Portal Admin to create multiple choice questions exam templates. It define parameters and properties of examinations.

# Maintain Question

Documentation: The use case allows Portal Admin to create questions pool based on subjects and sections. It stores the difficulty level, marks and weightage.

# Maintain Role

Documentation: This use case allows the Portal Administrator to maintain roles. It includes creation, modification and deletion as well as view the information for the roles. Each role will be tied up with list of available functions (FAP) in the system. Whenever the content is uploaded into the system, respective data access profiles will be created and it will be tied up to the role.

# Maintain Survey

Documentation: This use case allows Portal Admin to maintain survey.

# Maintain User

Documentation: This use case allows User Admin of respective Customer to maintain their user's profile and user-course profile.

# Maintain User Admin

Documentation: This use case allows Portal Admin to maintain User Admin of respective company.

# Take Exam

Documentation: This use case allows user to take examinations upon completion of training course.

# Take Exercise

Documentation: This use case allows user to take exercise upon completion of training course.

# Take Lesson

Documentation: This use case allows user to take lesson subscribed online.

# Take Survey

Documentation: This use case allows user to take survey for a lesson learnt or an ad hoc survey of any subject.

# View Report

Documentation: This use case allows Portal Admin to generate reports based on requirements.

# View





