



ITD3309 FYP Interim Present



Group: Alan Po 2

Supervisor: Mr. PO Lun, Alan

Co-Supervisor: Ms. YUEN Wai Ying, Esther



Students:

CHAN Chun Wa, CHU Kai Hang,

KWOK Chun Hin, TSANG Tsz Lok

Presentation Outline

- + Objectives
- + Problem background
- + Project Outline
- + Function provided
 - + Client Side
 - + Server Side
- + High-level analysis
 - + ERD Design
 - + Use Case Diagram
 - + Sequence Diagram
- + Summary of finished progress

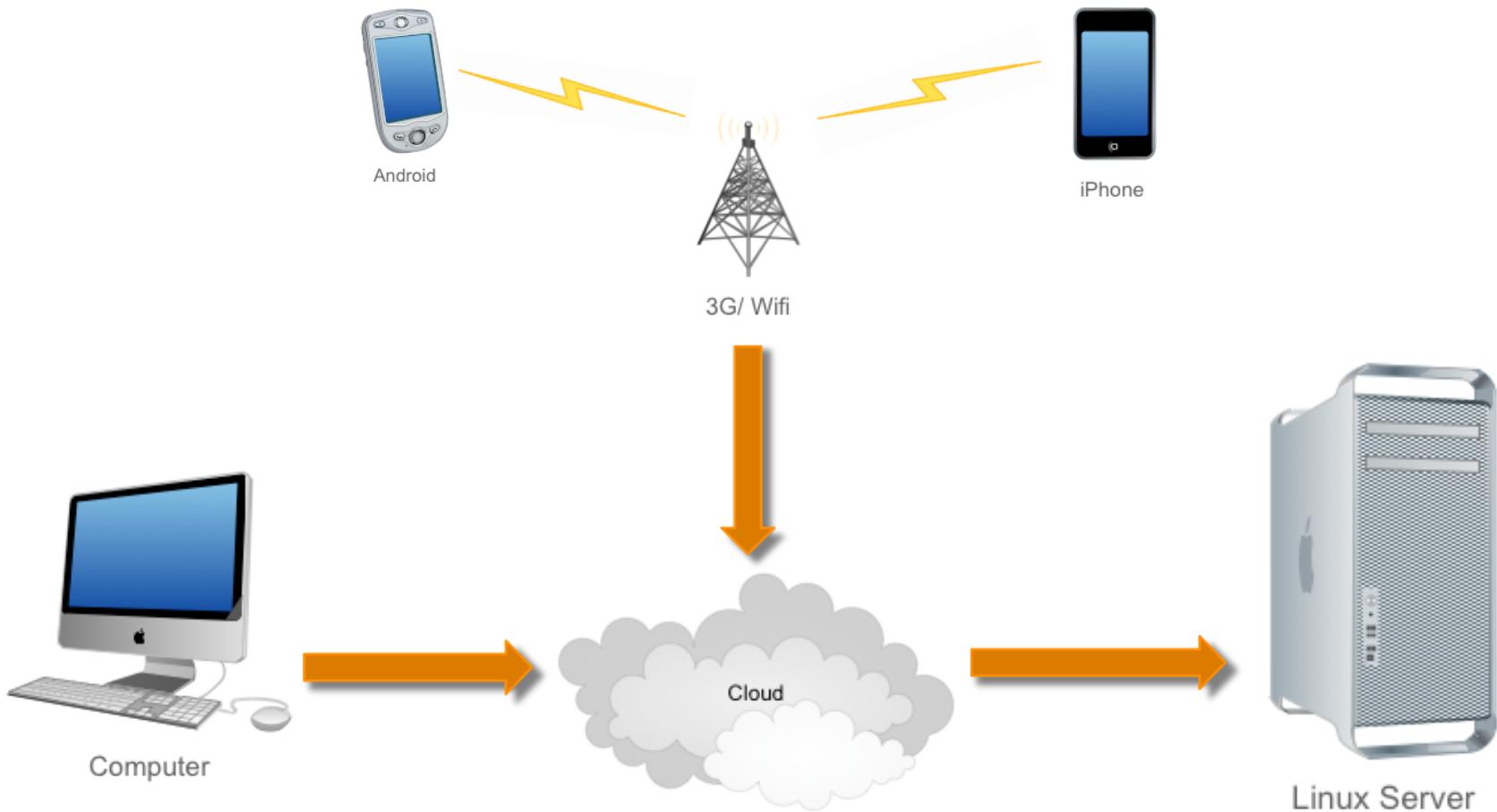
Objective

- + Main objective
 - + Provide a multi platform catering CRM system
 - + As reference to the company assisted by the ITAA Completion
- + Adopt cloud technology to let people editing the mobile functions in website
- + Multi platform
 - + Website (Server side)
 - + iPhone (Client side)
 - + Android (Client side)
- + MVC System

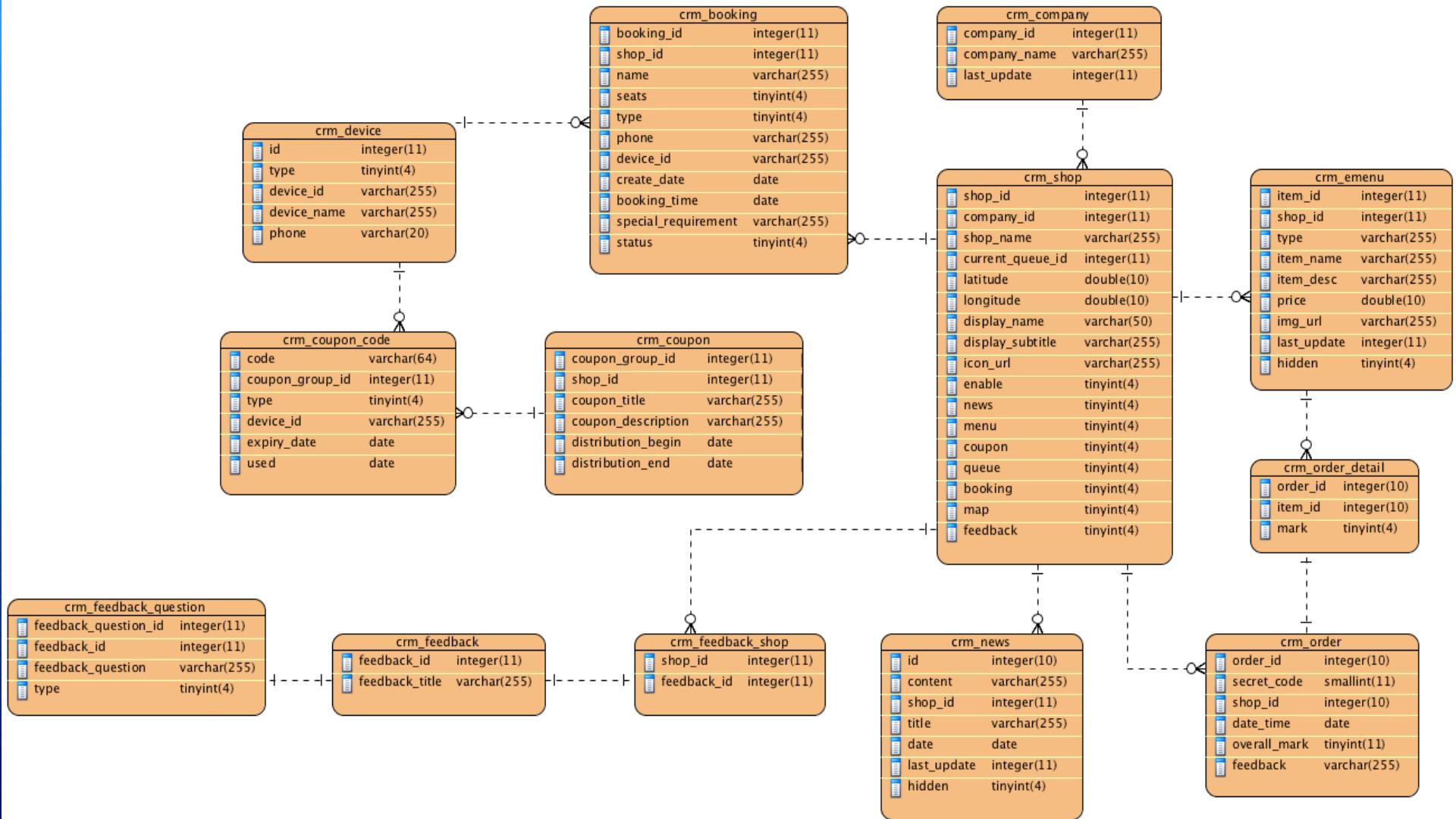
Problem Background

- + The website from the company do not have interaction with the customers. It is Flash.
- + Not much mobile devices can access, eg. iPhone/iPad
- + Lack of supporting from Information Technology
- + Catering Marketing is having an important status and large market
- + No any mobile application in the company

Project Outline



ERD Design



Functions Provided

- + Recall the project objective and problem background, we have develop a catering CRM system in multi platform .
- + Server Side:
 - + Push notification to mobile
 - + Upload and manage mobile app icon image
 - + Change account password
 - + Modify mobile app function
 - + Update restaurant Information: News, Food Gallery, Confirm booking, Feedback Question
 - + Data Mining

Functions Provided

+ Push notification

The screenshot shows a web application titled "App Configuration Resources Center". The top navigation bar includes links for HOME, PUSH NOTIFICATION TO MOBILE, UPLOAD APP ICON, MODIFY MOBILE APP, DOWNLOAD APP, CONTACT US, SYSTEM GUIDE, CHANGE PASSWORD, and LOGOUT. A large, semi-transparent graphic of a leaf is on the left side of the page. In the center, there is a form for sending a push notification. The form has a title "Push Notification" and a message box containing "Discount Offering Now". Below the message box is a button labeled "Go". At the bottom of the page, there is a welcome message: "• Welcome Back a1".

Functions Provided

+ Updating Information

Please select a Shop

To have the best performance, we suggest to use Safari 5.1 with 1680 x 1050 resolution.

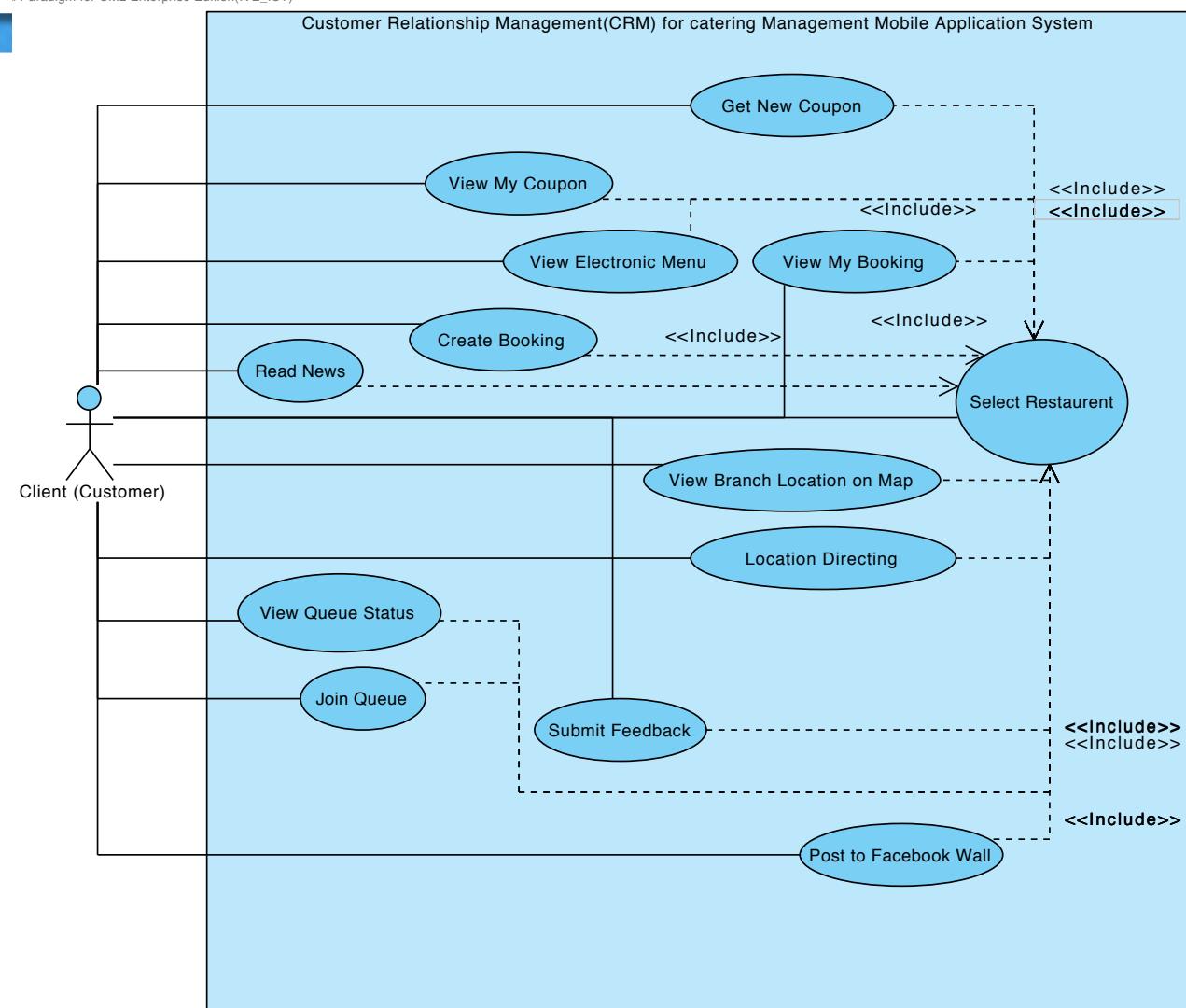
Functions Provided

- + Mobile: How to create an App for new company?
 - + 1. Setup a company record for the company and the related shops
 - + 2. Update the program Code
 - + 3. Upload the App to App Store
 - + 4. Client download and launch it

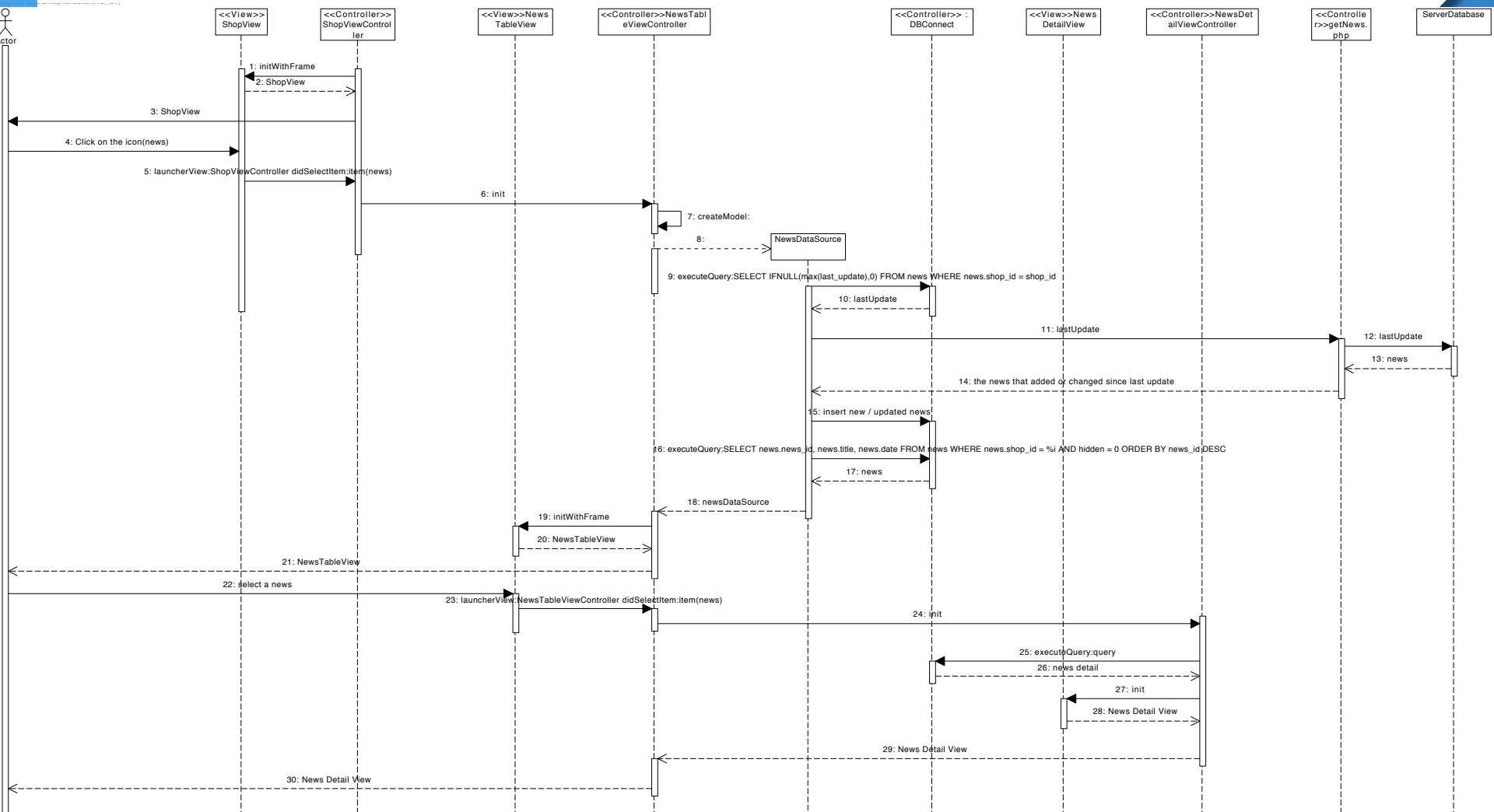
Function Provided

- + Restaurant News
- + Restaurant Coupon
- + Restaurant E-Menu
- + Booking
- + Restaurant Location
- + Restaurant Feedback

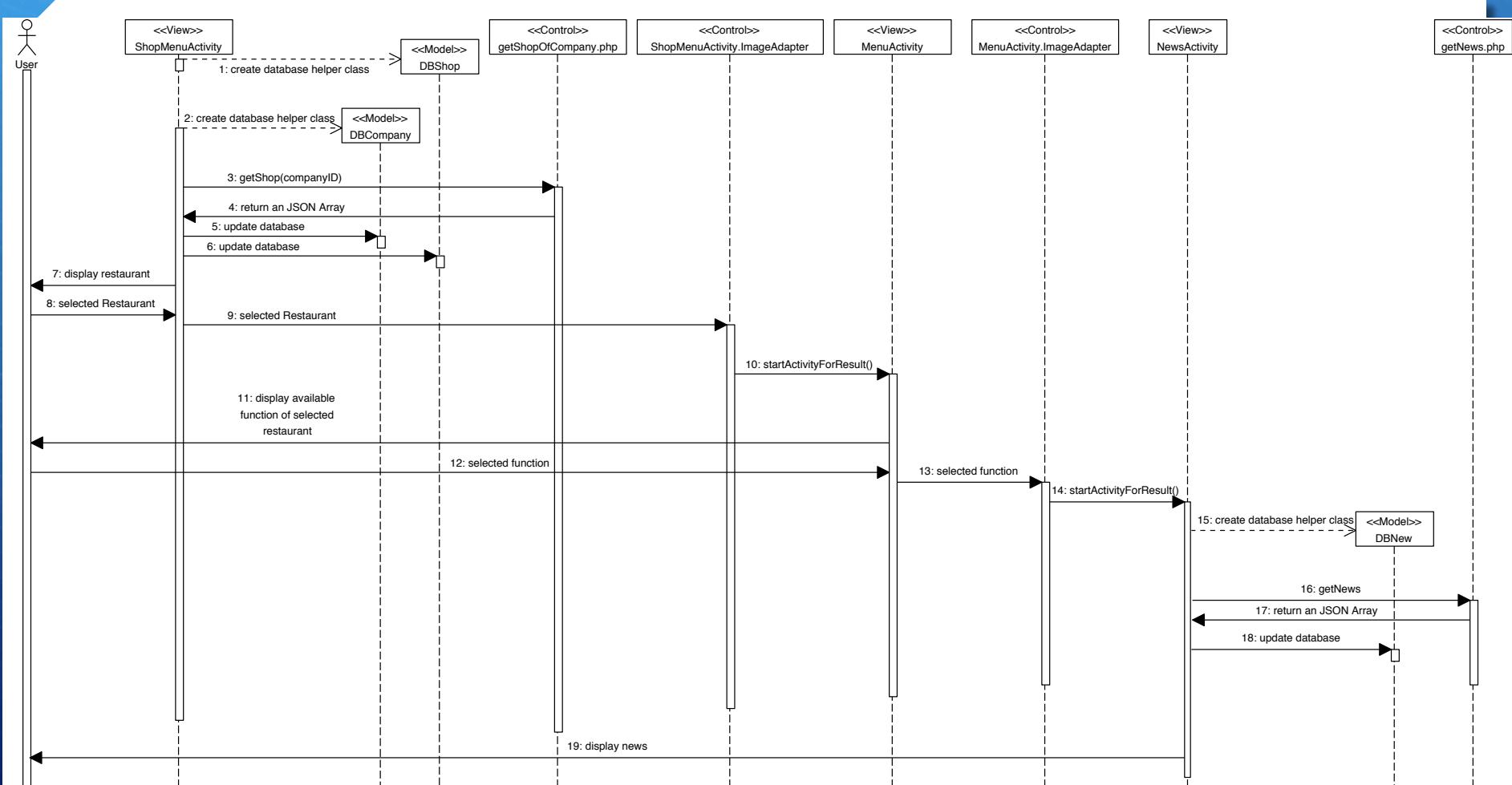
Use Case of Mobile App in iPhone and Android



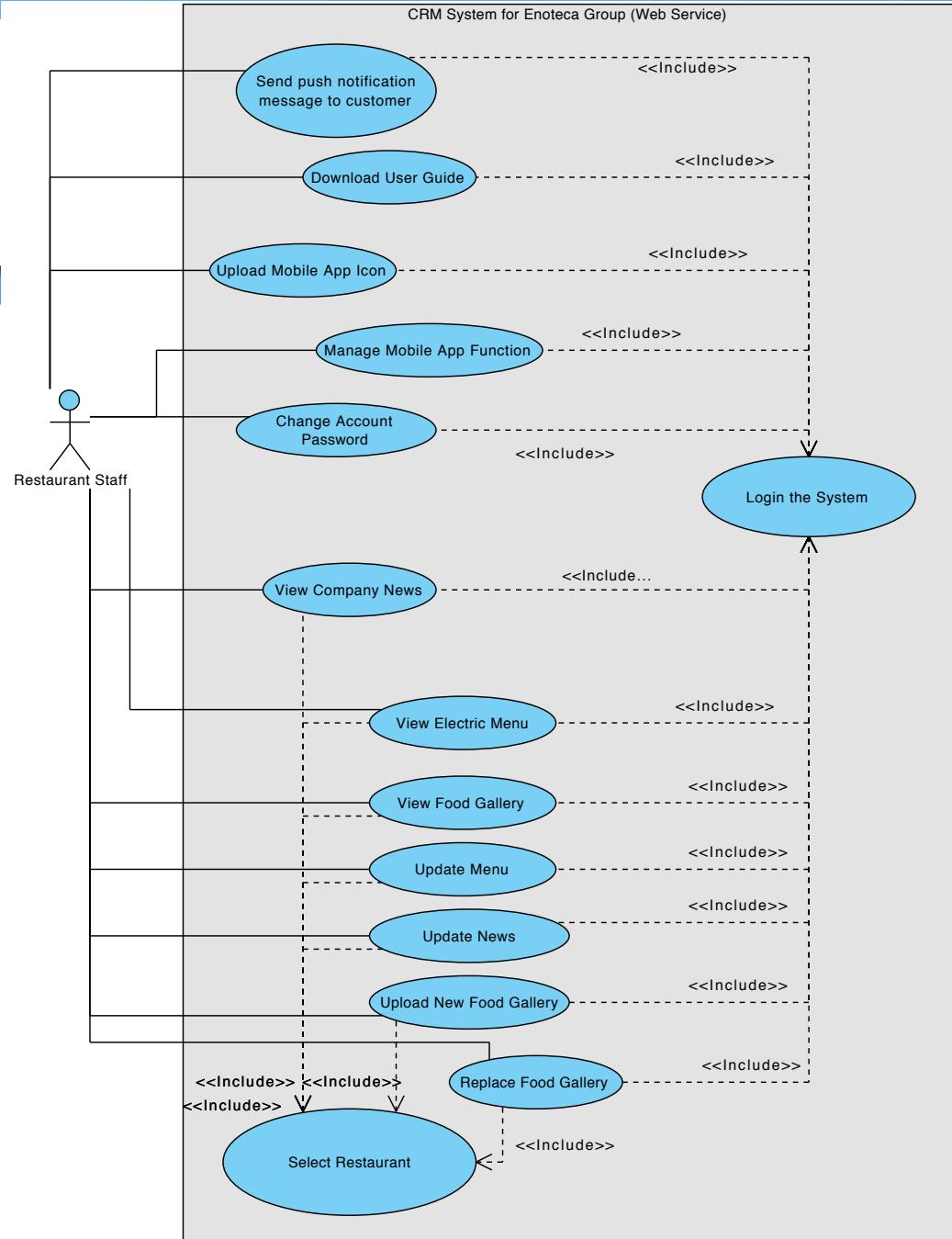
Sequence Diagram of iPhone (Read News)



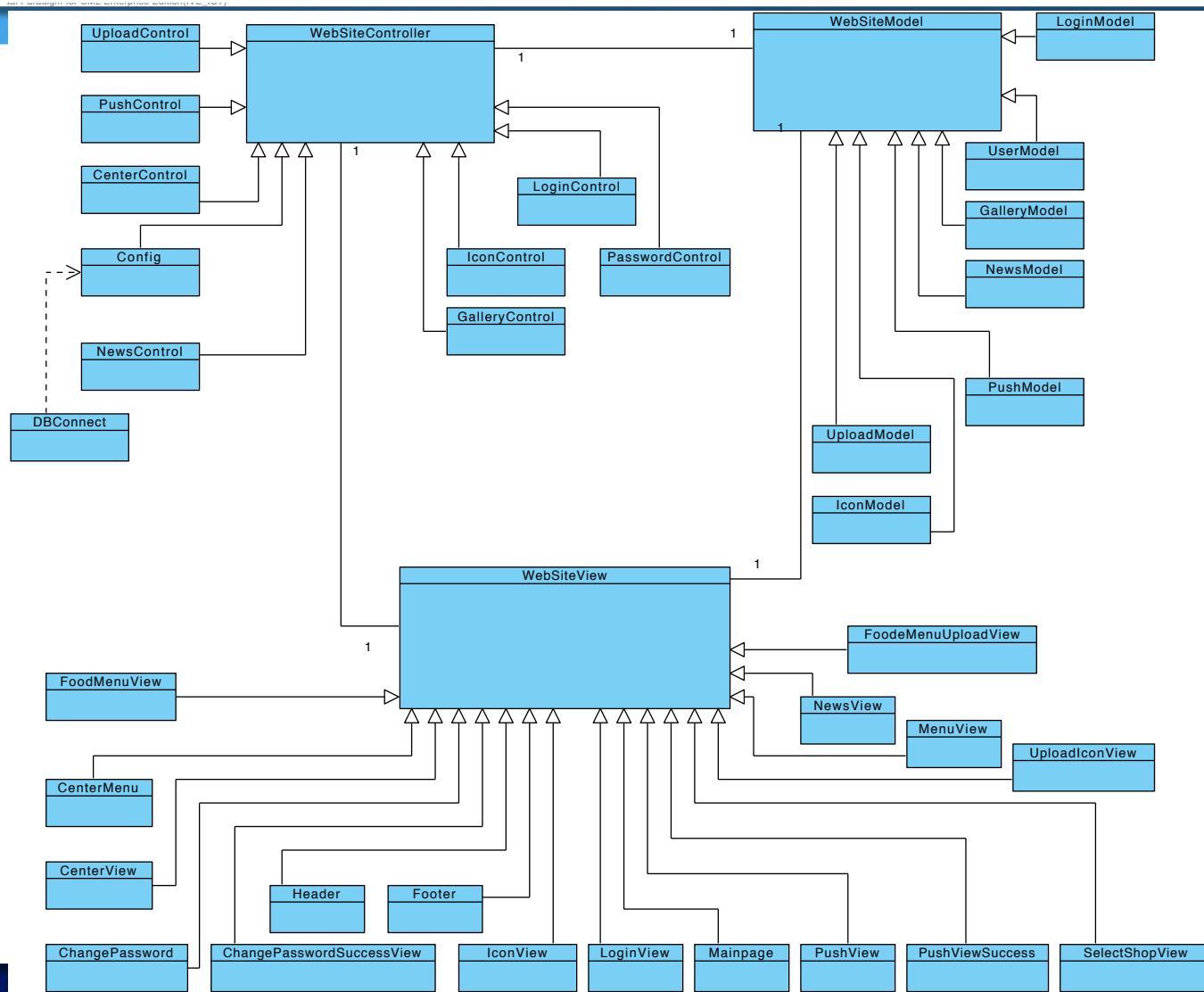
Sequence Diagram of Android (Read News)



Use Case of



Class Diagram of Web Service



Project Schedule

ID	Customer Relationship Management System for Catering Management Project Task	Start	Finish	Duration	2011						2012					
					七月	八月	九月	十月	十一月	十二月	一月	二月	三月	四月	五月	
1	Research for Customer Relationship Management Information	2011/7/1	2011/7/14	10d	<div style="width: 5%; background-color: #4CAF50; height: 10px;"></div>											
2	Research for ERP system as reference	2011/7/1	2011/7/14	10d	<div style="width: 5%; background-color: #4CAF50; height: 10px;"></div>											
3	Design to join the completion and communicating about which the first, second choice of the type of enterprise	2011/7/14	2011/7/21	6d		<div style="width: 5%; background-color: #4CAF50; height: 10px;"></div>										
4	Project Proposal	2011/8/1	2011/9/2	25d			<div style="width: 20%; background-color: #4CAF50; height: 10px;"></div>									
5	Build up the Linux Cent OS 5.6 server and build up network connection with the domain name for us to use	2011/8/5	2011/8/8	2d				<div style="width: 5%; background-color: #4CAF50; height: 10px;"></div>								
6	Install service on the Linux server and install the required features and database that need in the server	2011/8/8	2011/8/25	14d				<div style="width: 20%; background-color: #4CAF50; height: 10px;"></div>								
7	Web Service (Website for Restaurant) outline build up	2011/9/2	2011/9/9	6d					<div style="width: 5%; background-color: #4CAF50; height: 10px;"></div>							
8	Website app configuration center development during the whole project	2011/9/2	2012/3/1	130d						<div style="width: 80%; background-color: #4CAF50; height: 10px;"></div>						
9	Website restaurant information management center development during the whole project	2011/9/2	2012/3/1	130d							<div style="width: 80%; background-color: #4CAF50; height: 10px;"></div>					
10	iOS Application function design	2011/9/5	2011/9/8	4d							<div style="width: 5%; background-color: #4CAF50; height: 10px;"></div>					
11	iOS Application function development	2011/9/12	2012/1/10	87d								<div style="width: 70%; background-color: #4CAF50; height: 10px;"></div>				
12	Android Application function design	2011/9/5	2011/9/8	4d							<div style="width: 5%; background-color: #4CAF50; height: 10px;"></div>					
13	Android Application function development	2011/9/12	2012/4/12	154d								<div style="width: 80%; background-color: #4CAF50; height: 10px;"></div>				
14	Initial Report	2011/11/1	2011/11/21	15d								<div style="width: 5%; background-color: #4CAF50; height: 10px;"></div>				
15	Competition Presentation I – System Brief Description	2012/2/3	2012/2/7	3d									<div style="width: 5%; background-color: #4CAF50; height: 10px;"></div>			
16	Competition Sharing View	2012/2/8	2012/2/8	1d										<div style="width: 5%; background-color: #4CAF50; height: 10px;"></div>		
17	iOS Application Maintain during development	2012/1/3	2012/3/30	64d										<div style="width: 20%; background-color: #4CAF50; height: 10px;"></div>		
18	Android Application Maintain during development	2012/1/3	2012/3/30	64d										<div style="width: 20%; background-color: #4CAF50; height: 10px;"></div>		
19	Push notification testing	2012/1/16	2012/1/24	7d								<div style="width: 5%; background-color: #4CAF50; height: 10px;"></div>				
20	Debugging the whole system and synchronization	2012/3/1	2012/4/2	23d										<div style="width: 10%; background-color: #4CAF50; height: 10px;"></div>		
21	Checking Synchronization of the system and sub-system	2012/3/1	2012/4/2	23d										<div style="width: 10%; background-color: #4CAF50; height: 10px;"></div>		
22	Competition Presentation II System Description and Demonstration	2012/5/7	2012/5/7	1d											<div style="width: 5%; background-color: #4CAF50; height: 10px;"></div>	
23	Final Report	2012/4/19	2012/4/19	1d												<div style="width: 5%; background-color: #4CAF50; height: 10px;"></div>

Critical Environment

- + Way to learn Objective C, Object Oriented PHP, Android Java
- + Server performance problem
- + Network Stability
- + Limitation of iPhone / Android API
- + Start from zero

Summary of Finished Process

- + Web Service:
 - + Resource Center: Upload App Icon, Push Notification, Change Password, Mobile App Function editing
 - + Restaurant Information Center: Update News, Update Food Menu, Update Gallery, Selection of Restaurant
 - + Mobile: E-menu, Booking, Feedback, Location, Booking, News, E-Coupon

**END
OF
PRESENTATION**