جامعة الإمام عبدالرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY

Saladaty

CS 311 Object Oriented Programming Project Report

Zahraa MAher Al-Nemer <<Leader>>
Lamya Mohammed Alqahtani
Malak Mohammad Darweesh
Zainab Abduljaleel Alrashed
Rsha Mubarak Aldawssary
Salhah Yasin Al-far

Group: 6

Prepared for:
Mrs. Mona Al-tassan

CS 311: Object Oriented Programming (1) Final Project Report

GROUP NUMBER (AS IN BLACKBOARD) : 4   **GROUP NAME : Saladaty**

MEMBERS:

	Name	ID	Role Participated in	Sign
1	Zahraa M. Alnemer (Leader)	2160001732	mainClass (Admin part) userClass + paymentClass + Report+ UML	
2	Lamya M. Alqahtani	2170005631	mainClass (Customer part) + orderClass + UML + Report	
3	Malak M. Darweesh	2170004221	customerClass + UML	
4	Zainab A. Alrashed	2170005149	mealClass + UML	
5	Rasha M. Aldossari	2170002305	MenuClass + UML	
6	Salha Y. Alfar	2160005504	adminClass + UML	

INTRODUCTION :

Saladaty is a ordering system program for a restaurant serves only salads, there are two type of users:

- **Customer:** can register, login, and after the customer logging in, he/she will be able to do the order and the tasks that follows the order (checking out, paying).
- **Admin:** the admin would be able to manage the program by adding or deleting to/from menu, or updating exist meals on the menu.

DIFFICULTIES & HOW PROBLEMS WERE SOLVED:

- The lack of time limited us and made generating good ideas much harder

- Determining the program requirements

- Work distribution

- The timing of the project and its presentation

- Error handling

MINISTRY OF EDUCATION
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY
COLLEGE OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

وزارة التعليم
جامعة الإمام عبدالرحمن بن فيصل
كلية علوم الحاسب وتقنية المعلومات

قسم علوم الحاسب
Department of Computer Science

جامعة الإمام عبدالرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY

CHECKLIST OF REQUIREMENTS FULFILLED IN THE PROJECT:

Function / Application Aspect	UML Diagrams	Classes Management	Inheritance & Polymorphism	Array of Objects	Program Structure	Error Handling	Analysis
User *superclass*: Customer and Admin *subclasses*.	✓	✓	✓	✓		✓	
Admin can login to manage the restaurant's menu (add, update, and delete)	✓	✓	✓	✓	✓	✓	
Customer can: - register or login - order meals: copying meals from saladsMenu into array of orderdMeals - check out & pay for meals: after finishing filling the order, the bill will be displayed, and the customer will be asked if they are ready to checkout and pay	✓		✓	✓	✓	✓	systemUsers ArrayList to store both customers and admins
mealClass	✓	✓					OrderdMeals ArrayList of meals that stores the ordered meals copied from saladsMenu, and apply operation on it such as get its total price and pay for it
menuClass	✓			✓	✓	✓	Salads ArrayList of meals, to store the meals in the menu
orderClass	✓			✓	✓	✓	ArrayList of orders (from meu array) (array operations such as add)
paymentClass	✓					✓	Contains Pay, get the Order time, and to String to print the bill to let the order be completed

MINISTRY OF EDUCATION
IMAM ABDULRAHMAN BIN
FAISAL UNIVERSITY
COLLEGE OF COMPUTER SCIENCE
& INFORMATION TECHNOLOGY

وزارة التعليم
جامعة الإمام
عبدالرحمن بن فيصل
كلية علوم الحاسب
وتقنية المعلومات

قسم علوم الحاسب
Department of Computer Science

جامعة الإمام عبدالرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY

UML: