
Design Report
for
Kitchen Zealot

Written by:
Abtahi Chowdhury
Abusaleh Masud
Safwan Shahid
Arman Uddin
Farhan Zaman

Version 2.0

November 23, 2019

Date	Version	Description	Author
11/2/2019	1.0.0	Initial version of the online restaurant system	Abtahi Chowdhury Abusaleh Masud Safwan Shahid Arman Uddin Farhan Zaman
11/23/2019	2.0.0	This report is meant to provide the data structure and logic to carry out the functionalities dictated by the specification.	Abtahi Chowdhury Abusaleh Masud Safwan Shahid Arman Uddin Farhan Zaman

Table of Contents

Introduction	5
Design	6
2.1 Use Case Scenarios	6
2.2 Collaboration Diagrams	11
2.3 State Diagrams/ Petri-net	21
E/R Diagram	31
Pseudocode	31
addNewEmployee(formValue)	31
login(email:string, password:string)	32
register(email:string, password:string)	33
logout()	33
guestLogin()	33
addToCart(product:Product)	34
removeFromCart(product:Product)	34
getCustomer()	35
getUser()	35
updateCart(customer:Customer)	35
addToGuestCart(product:Product)	36
removeFromGuestCart(product:Product)	36
addCustomer(customer:Customer)	37
removeCustomer(customer:Customer)	37
updateCustomer(uid:string, customer:Customer)	38
getCustomer(uid:string) : Observable<Customer>	38
getUser(uid:string) : Observable<User>	38
getCurrentUser()	38
getCurrentCustomer()	39
addEmployee(employee:Employee)	39
removeEmployee(employee:Employee)	39
getEmployee(uid:string): Observable<Employee>	39
getUser(uid:string) : Observable<User>	40

addGuest(guest:Guest)	40
removeGuest(guest:Guest)	40
getGuest(uid:string) : Observable<Guest>	41
addOrder(order:Order)	41
removeOrder(order:Order)	41
updateOrder(uid:string, order:Order)	41
getOrder(uid:string): Observable<Order>	42
create(product:Product)	42
lookUp(uid:string): Observable<Product>	42
update(uid:string, product:Product)	43
delete(uid:string)	43
addUser(user:User)	43
removeUser(user:User)	43
getUser(uid:string): Observable<User>	44
System Screen	44
Minutes	47
Git Repo:	47