Concordia University Department of Computer Science and Software Engineering

Touch For Food

Traceability

SOEN 490 Capstone Project Fall 2012 – Winter 2013

CloudNine

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Revision History

Date	Rev.	Description	Author(s)
2012-12-16	0.0	Document Creation	Cynthia Donato
2012-12-20	4.1	Updated Tables	Katrina Anderson
2013-01-18	6.2	Added UC7.1 to sections 3 and 5	Katrina Anderson
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2013-03-04	9.4	Updated Features definition list as well tables 2,3,4,5	Mikhail Levkovsky
2013-04-04	10.5	Updated Use Cases Vs. Test Cases	Cynthia Donato

1 Feature Definition

Feature Id	Feature Description
F1	Order Management
F2	Bill Management
F3	Food Reservation
F4	Table Reservation
F5	Assistance
F6	Review order history
F7	Manage Friends
F8	Social Networking
F9	Menu Management
F10	Rating System
F11	Customer Management
F12	Reporting System
F13	Personal Profile
F14	Table Management

Table 1 - Feature Definition

2 User Needs vs. Features

Needs vs. Feature s	Order Food (custome r)	Make Reservatio n (customer)	Call Waiter (custome r)	Manage Personal Page (custome r)	View Menu (custome r)	Leave Review (custome r)	View Restaura nt stats & reviews	Accountabilit y, identify priorites for customers	Manage Menu (restauran t)	Manage Tables (restauran t)	Manage Orders (restauran t)	Manage bills (restauran t)	Restaura nt Page	Restaura nt reporting & stats
F1	Х	-		-				-			Х		×	
F2	Х	-		-				-				Х	-	
F3	Ē	×	Ē	=	Ī	-	=	=	-	-	-	-	-	=
F4	Ī	X	ī	ı	ı	-	-	-	-	X	-	-	-	=
F5		-	X	-				-					-	
F6		-		Х				-					-	
F7	-	-	-	X	-	-	-	-	-	-	-	-	-	-
F8	-	-	-	X	-	×	×	-	-	-	-	-	×	-
F9		-		-	Х			-	Х				×	
F10		-		-		Х	Х	-					-	Х
F11	-	-	-	-	-	-	-	×	-	-	-	-	-	-
F12		-		-				-					-	Х
F13		-		Х				-					-	
F14		-		-				-		Х			-	

Table 2 - User Needs vs. Features

3 Use Cases vs. Features

Use Cases	UC	UC												
Vs. Features	25.1	26.1	27.1	29.1	34.1	34.2	35.1	35.2	35.3	36.1	39.1	42.1	192.1	279.1
F1	Х	Χ		Χ										
F2												Х		
F3		X												
F4														
F5					Χ	Х								
F6														Х
F7														
F8							×	X	X					X
F9			Χ											
F10											Х			
F11														
F12										Χ				
F13							Х	Х	Χ	Χ				
F12										Χ				

Table 3 - Use Cases vs. Features

4 Supplementary Requirements vs. Features

SRS vs. Feat ures	S R 3. 2.	S R 3. 2.	S R 3. 3.	S R 3. 3.	S R 3. 4.	S R 3. 5.	S R 3. 5. 9	S R 3. 6.	S R 3. 6.	S R 3. 7.	S R 3. 7.	S R 3. 7.	S R 3. 7.	S R 3. 7.	S R 3. 7. 6	S R 3 . 8	S R 3	SR 3.1 0.1	SR 3.1 0.2	SR 3.1 0.3	SR 3.1 0.4	SR 3.1 1.1	SR 3.1 1.2	SR 3.1 1.3	SR 3.1 1.4							
F1	Х	Х	Х		Х	Х	Х	Х	Х	Χ	Х		Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	Χ	Χ	Х	Х	Х	Х	Х	Χ	Х	Х
F2	Χ	Х	Х		Х				Х	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Χ		Х	Х	Х	Х	Х	Х	Х	Х
F3	-	-	X	-	X	-	-	-	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X
F4	-	X	X	-	X	-	-	-	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X
F5	Χ		Χ		Х				Х	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Χ	Χ		Х	Х	Х	Х	Х	Х	Х	Х
F6	Χ		Х		Х				Х	Χ	Χ		Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ	Х	Х	Χ	Χ	Х	Х	Х	Х	Х	Х	Х	Х
F7	X	-	X	-	X	-	-	-	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X
F8	X	X	X	-	X	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X
F9		Х		Х	Χ						Х		Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Х		Х	Х	Х	Х	Х	Х	Х	Х
F10	Χ		Χ		Х						Χ		Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Χ		Х	Х	Х	Х	Х	Х	Х	Х
F11	-	-	-	X	X	-	-	-	-	-	X	-	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X
F12		Х		Х	Χ						Χ		Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Χ	Χ	Х		Х	Х	Х	Х	Х	Х	Х	Х
F13	Χ		Х		Х						Χ		Χ	Χ	Χ	Х	Χ	Х	Х	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х
F14		Х		Х	Х						Χ		Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х	Х	Х	Χ	Х	Х	Х	Χ	Χ	Х	Х

Table 4 - Supplementary Requirements vs. Features

5 Use Cases vs. Test Cases

Use Cases	vs. Tes	t Cases												
Use														
Cases vs.	UC	UC	UC	UC	UC	UC	UC	UC	UC	UC	UC	UC	UC	UC
Test	25.1	26.1	27.1	29.1	34.1	34.2	35.1	35.2	35.3	36.1	39.1	42.1	192.1	279.1
Cases														
TC25.1	Х													
TC26.1		Х												
TC26.2		X												
TC26.3		X												
TC26.4														
TC26.5														
TC26.6														
TC27.1			Х											
TC27.2			X											
TC27.3			X											
TC27.4			X											
TC27.5			X											
			<u> </u>				 			 			-	
TC29.1				X										
TC29.2				X										
TC29.3				Х										
TC34.1					Х									
TC34.2						Х								
TC34.3														
TC34.4														
TC34.5														
TC34.6														
TC34.7														
TC35.3														
TC36.1										Х				
TC36.2										Х				
TC39.1									Х		Х			
TC39.2											Х			
TC40.1								Х						
TC40.2							Х							
TC40.3								Х						
TC40.4														
TC41.1														
TC41.2														
TC41.3														
TC41.4												Х		
TC42.1		1	 	 			 		1			X	 	\vdash
TC42.1												X		
TC42.2			 	-			-					X	 	\vdash
TC42.3			-	-			 			1		_ ^	-	\vdash
TC192.1														<u> </u>
													X	
TC192.2							<u> </u>						X	<u> </u>
TC192.3												-	X	<u> </u>
TC192.4							ļ						Х	
TC192.5													Х	<u> </u>
TC192.6													Х	
TC192.7													Х	
TC279.1														Х
TC279.2]			_		Х