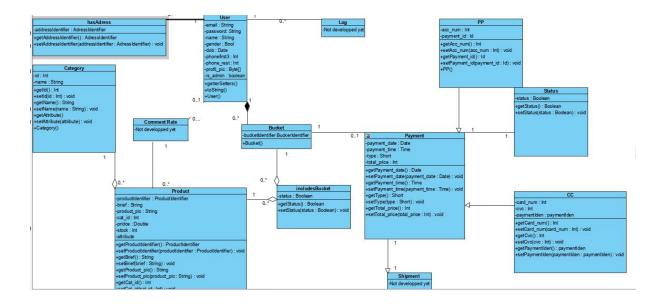
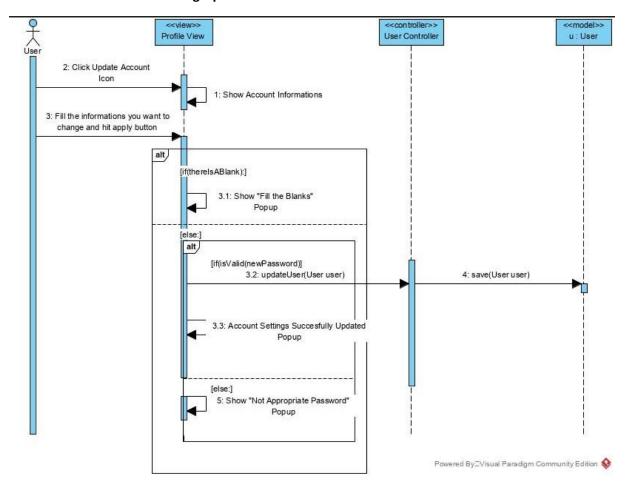
Diagrams and Matrix

Class Diagram

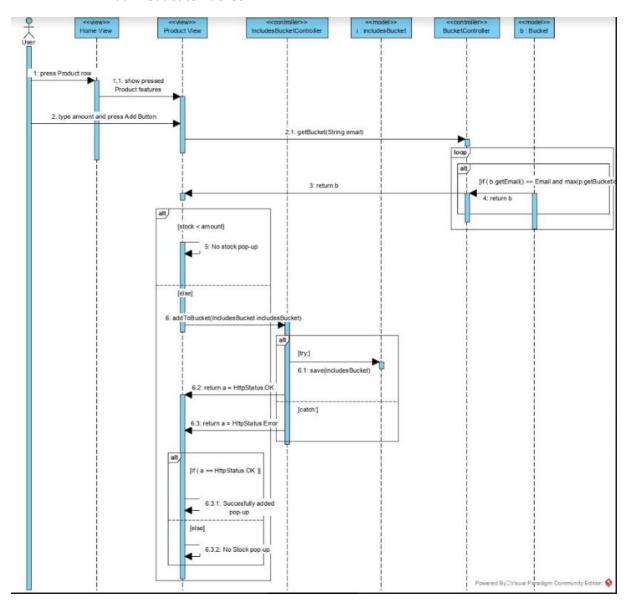


Sequence Diagrams

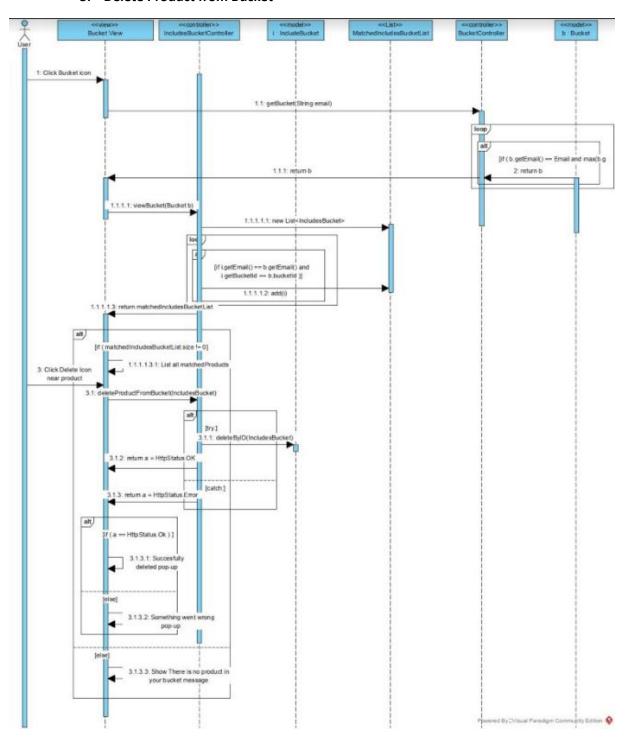
1. Account Setting Update



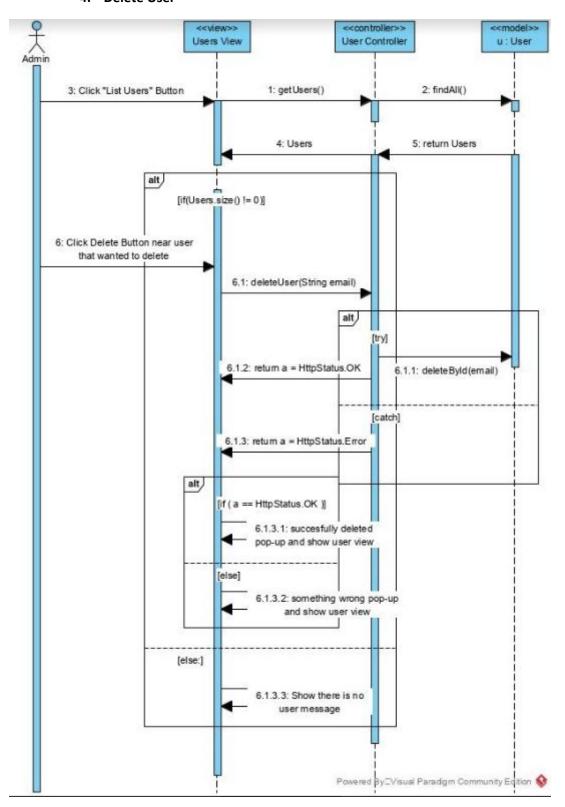
2. Add Product to Bucket



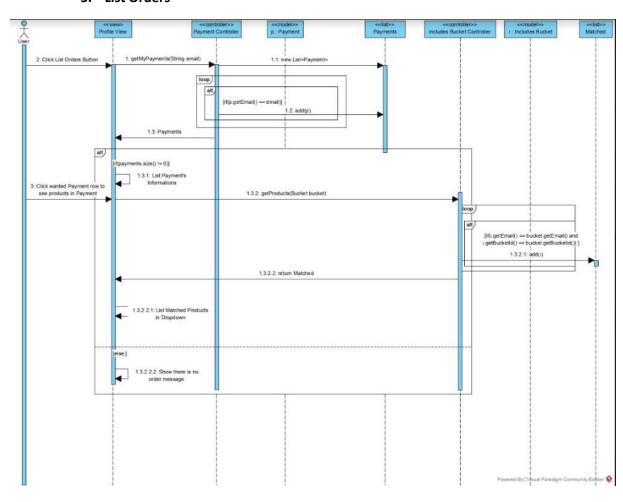
3. Delete Product from Bucket



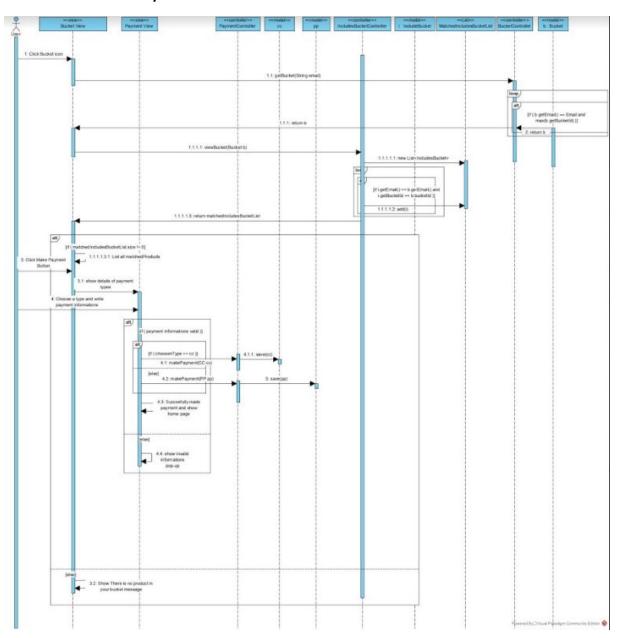
4. Delete User



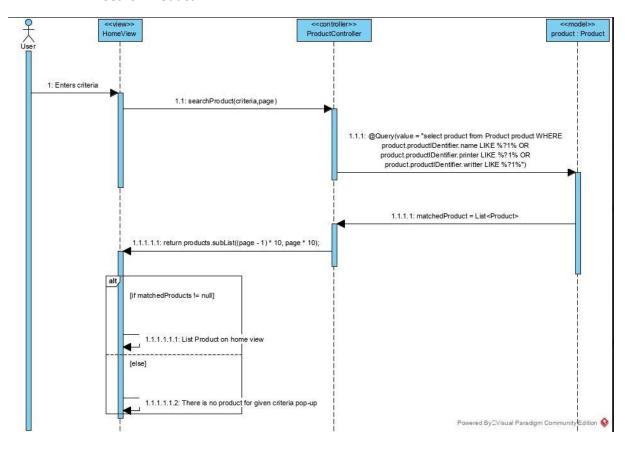
5. List Orders



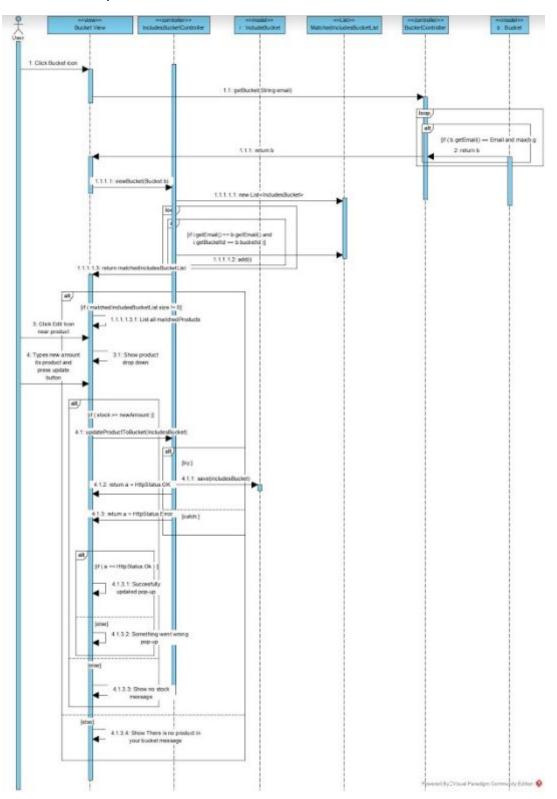
6. Make Payment



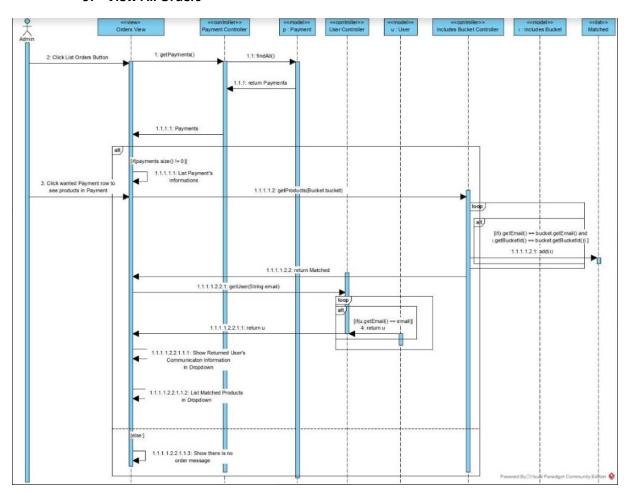
7. Search Product



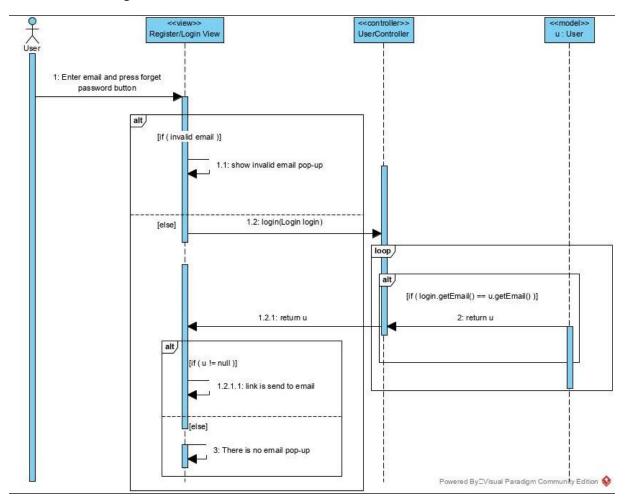
8. Update Product to Bucket



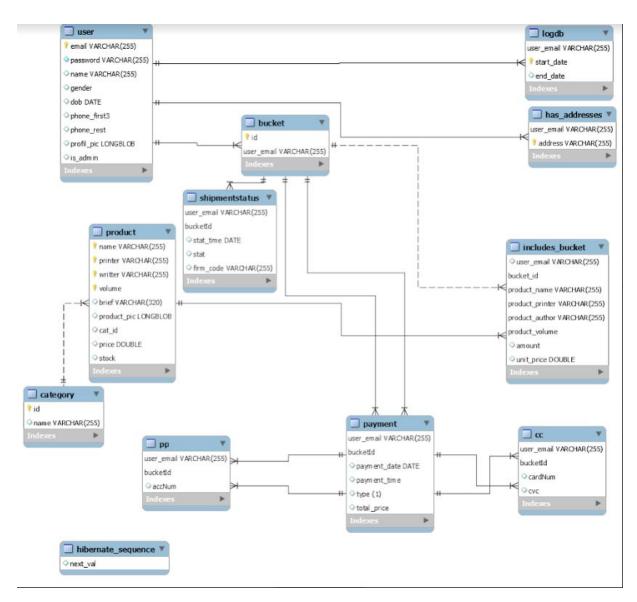
9. View All Orders



10. Forget Password



ER Diagram



Traceability Matrix

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Address Controller										Χ									Х	
Bucket Controller		8				Χ	Χ	Χ	Х	9	93 S		8	Χ		Х	8			
Category Controller				57.5	X						6		1:					Х		Х
cc Controller												Х		0						
payment Controller												Х	8				8			
pp Controller												Х								
Product Controller				2000	Χ							Х						Х		
User Controller	Х	Χ	8	Χ		Î				Х	Χ		ž c	S 50					Х	
Adress Identifier										Х										
Bucket Identifier	18	83	8			Χ	Х	Х	Х	9	88 - 8 88 - 8		2 2	Χ	į	Х	15 120			
payment Identifier				557.33							65	Х	1:	14 14			1:			
Product Identifier			3		Χ							Х						Х		
Address	- 0							5		Х			0				6			
Bucket						Х	Х	X	Х					Х		Х				
Category				7000	Х													Х		Х
СС		8	8		3	8	- 2			8	85 - 8 22 - 1	Х	Z G	S 50	- 8		8	100 - 100 100 - 100	8	
payment												Х	Х		Х					
рр		8					- 3				83 - 1 83 - 3	Х	ž	10 - 10 18 - 18	j		S.	8 8		
Product				657.5	Х						6	Х	1					Х		
User	Х	Х		Χ						Х	Χ			0					Х	
Address DAO	- 18							6		Х			8				8		X	
Bucket DAO						Х	Х	Х	Х					Х		Х				
Category DAO				(2000)	Х												8	Х		Х
cc DAO		8	8	65139 685	Į.	- S	- 3			8	85 - 8	Х	ž.	S 50				S		
payment DAO												Х	Х		Х					
pp DAO		8	8								65 - 5 65 - 5	Х		10 - 10 18 - 10			200			
Product DAO				657.5	X							Х						Х		
User DAO	Х	Х		Χ						Х				0					Х	
Login		Х			1				8 7				8				e e			
UserDelete											Х								Х	
Address Service				7 VS						Х									Х	
Address Service Impl		8	9	65.69	- 83	-8	- 3			Х	85 - 8		2	S 53	8		ž.	(S - S)	Х	

Traceability Matrix(Continue)

Bucket Service				(100) 100)	ľ	Х	Х	Х	Х	ŝ	(K)		E.	Х		Х	1			
Bucket Service Impl						Χ	Χ	Х	Х					Х		Х				
Category Service		8		60146 6215	Χ		- 1		× .		90		18		0		15	Χ	3	Χ
Category Service Impl				05:20	X						os		4.78		0		118	Χ		Χ
cc Service												Х								1000
cc Service Impl	3				- 83				0		86	Х	100		8		10			
payment Service	0								0.			Х	Х		Х		no.			
payment Service Impl				00.00							8	Х	Х		Х					
pp Service	8	8	60)- 100	63.72 20-53					ž.	8	6% 50%	Х	3 A 8 S		0		8 K	N .		
pp Service Impl												Х								
Product Service		8		93149 9225	Χ	Χ	Χ	Х	Х		90	Х	15		0		15	Χ		
Product Service Impl	101			00000	X	Х	Х	Х	Х		os	Х	1.71		0		112	Х		
User Service	Х	Х		Х						Х	Х							1,4500	Х	
User Service Impl	Х	Х		Х	- 00					Х	Х		10		8		10		Х	
LogDb		Х	X										40							
LogDb DAO		Х	X	02.50													4 61			
LogDb Service	12	Х	X	25-50			- 3		Ř.	8	60		12		0		12	N- I		
LogDb Service Impl		Х	Х																	
LogDb Controller		8	Х	93.43 92.53					× × ×	83	96		13		3		95 35	V .	3	
includesBucket				05:20		Х	Х	Х			68		4.78	Х	0	Х	Х			
includesBucket DAO					Î	Χ	Х	Χ						Х		Х	Х			
includesBucket Service	3				- 83	Х	Х	Х	0		86		100	Х	8	Х	Х			
includesBucket Service Impl	0					Χ	Х	Х					00.	Х		Х	Х			
includesBucket Controller				05.00		Χ	Χ	Χ			8			Х		Х	Х			
Shipment	88	8	6V-	63.72 20-50	- X		- 2		ž.	8	65		Х		Х		32	N- 1		
Shipment DAO													Х		Х					
Shipment Service		8		99249 63243	I C				8	8	86		Х		Х		25			
Shipment Service Impl				00-00							08		Х		Х					
Shipment Controller					Î								Х		Х					
CommentRate	10				100			8	3		86		18		3	Х	10			
CommentRate DAO					5.5											Х				
CommentRate Service				02.00							000		4 27			Х	455			
CommentRate Service Impl	12	G	6\- 13	63.75 201.74	-V				Ř.	8	63		12			Х	12	N- i		
CommentRate Controller																Х				

Use Case Definitions

USE-CASE NAME	USE-CASE NUMBER	
Register	1	
Login	2	
Logout	3	
Forget Password	4	
Search Product	5	
View Product in Bucket	6	
Add Product to Bucket	7	
Edit Product in Bucket	8	
Delete Product in Bucket	9	
Account Settings Update	10	
Account Delete	11	
Payment	12	
Shipment	13	
List Orders	14	
Cancel Unshipped Orders	15	
Rate Orders	16	
View Orders	17	
Manipulate Products	18	
Manipulate Users	19	
Manipulate Categories	20	