Stephanie Okosa

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Use case of an instant messaging application [iMessage application]
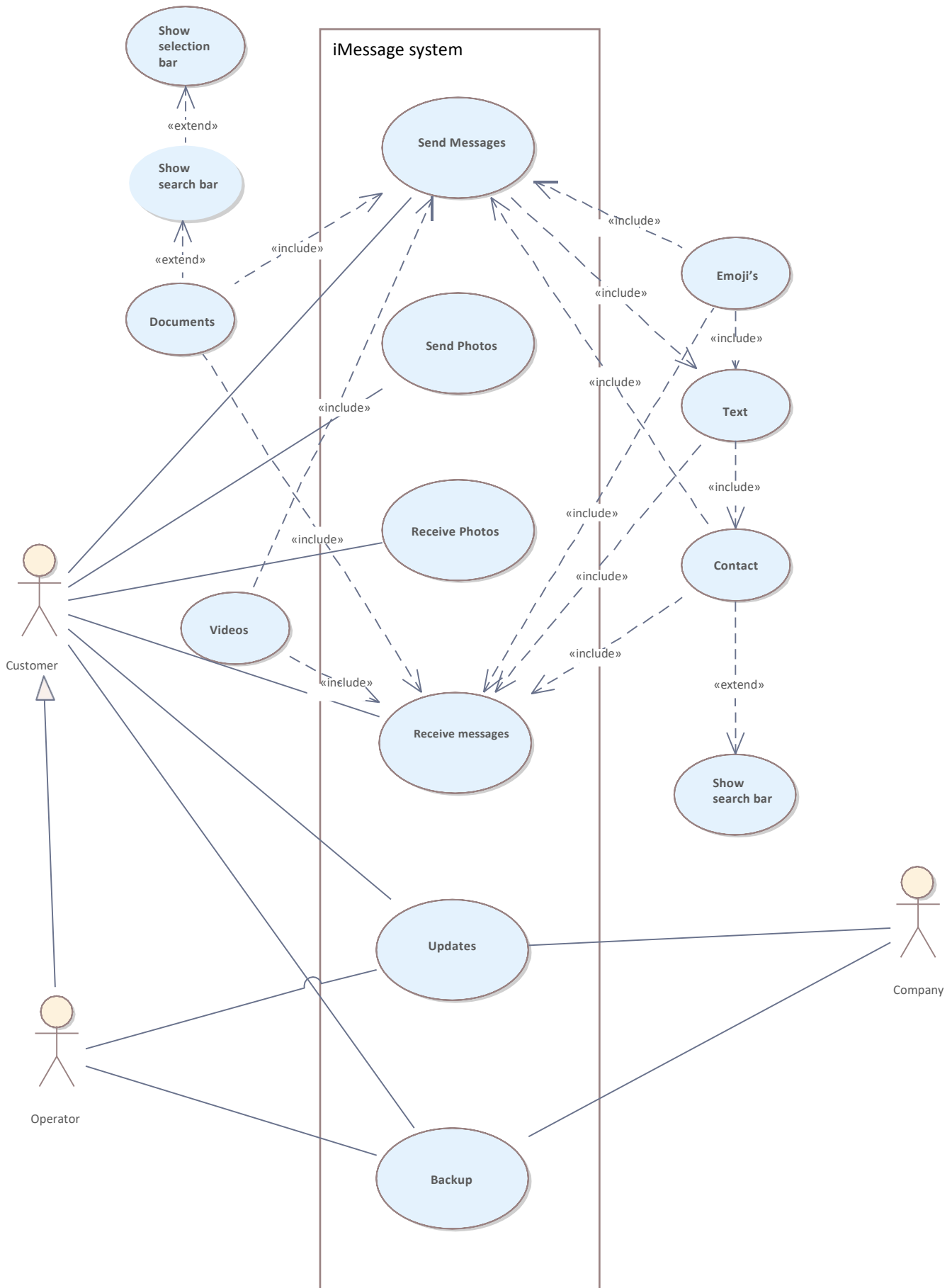
Basic Use Case Template
Alistair Cockburn
email: arc@acm.org
home page: http://alistair.cockburn.us

Overview

Show selection bar

«extend»

Show search bar

«extend»

Documents

«include»

Send Messages

«include»

«include»

«include»

Emoji's

«include»

Send Photos

«include»

Text

«include»

Receive Photos

«include»

Contact

«include»

Videos

«include»

Receive messages

«include»

«extend»

Show search bar

Customer

Operator

Updates

Company

Backup

iMessage system

Table format:

USE CASE 1	Send Messages	
Goal in Context	Successful text message delivery.	
Scope & Level	Memory space, to store text messages sent.	
Preconditions	Availability of digital devices	
Success End Condition	Messages can be delivered more efficiently.	
Failed End Condition	Delay or failure in communication.	
Primary, Secondary Actors	Sender, digital device, receiver.	
Triggers	Sender shall input content	
DESCRIPTION	**Step**	**Action**
	1.	Sender shall input content
	2.	Sender selects video, documents, Emoji's contact(s) or text input.
	3.	Sender clicks send button.
	4.	Message is delivered.
	5.	Receiver gets a notification.
EXTENSIONS	**Step**	**Action**
	2a.	Contact selected: 2a1. Show search bar.
	2b.	Document selected: 2b1. Show search bar. 2b2. Select multiple documents.
SUB-VARIATIONS	**Step**	**Action**
	3.	Sender may use Mobile phone, Laptop, Ipad
	4.	Message is delivered with WiFi Data
RELATED INFORMATION	Send messages	
Priority	Top	
Performance	Instant, maximum delay of 2 seconds.	
Frequency	unlimited	
Channel to actors	Network provider	
OPEN ISSUES	Network issues	
	Insufficient Data	
…any other management information…		
Superordinates		
Subordinates	Send message	
	Take payment from WiFi or account holder.	

USE CASE 2	Send Photos	
Goal in Context	Successful photo delivery	
Scope & Level	Memory space	
Preconditions	Availability of digital devices	
Success End Condition	Photos are easier stored and saves cost	
Failed End Condition	Sending hard copy of pictures	
Primary, Secondary Actors	Sender, digital device, receiver	
Triggers	Sender shall select photo(s)	
DESCRIPTION	**Step**	**Action**
	1.	Sender shall select photo(s)
	2.	Sender clicks send button.
	3.	Photo is delivered.
	4.	Receiver gets a notification.
EXTENSIONS	**Step**	**Action**

	1a.	Photo(s) are selected:
		   1a1. Photo(s) are previewed.
		   1a2. Unwanted photo(s) could be deleted.

SUB-VARIATIONS	**Step**	**Action**

	3.	Sender may use
		     Mobile phone,
		     Laptop,
		     Ipad

	5.	Message is delivered with Data
RELATED INFORMATION	Send photo(s)	
Priority	Top	
Performance	Instant, maximum delay of 5 seconds.	
Frequency	1/send	
Channel to actors	Network provider	
OPEN ISSUES	Network issues	
	Insufficient Data	
…any other management information…		
Superordinates		
Subordinates	Send photo	
	Take payment from account holder.	

USE CASE 3	Receive messages	
Goal in Context	Successful text message reception.	
Scope & Level	Memory space, to store text messages.	
Preconditions	Availability of digital devices	
Success End Condition	Efficient message reception.	
Failed End Condition	Delay or failure in communication.	
Primary, Secondary Actors	Sender, digital device, receiver.	
Triggers	Receiver shall obtain notification.	
DESCRIPTION	**Step**	**Action**
	1.	Receiver shall open notification.
	2.	Receiver clicks on message
	4.	Message is viewed.
	5.	Receiver may save message.
		Receiver may delete message.
EXTENSIONS	**Step**	**Action**
	2a.	Contact selected: 2a1. Add contact. 212. Delete contact
	2b.	Document selected: 2b1. Add document(s). 2b2. Delete document(s).
SUB-VARIATIONS	**Step**	**Action**
	3.	Sender may use Mobile phone, Laptop, Ipad
	6.	Message is delivered with WiFi Data
RELATED INFORMATION	Receives messages	
Priority	Top	
Performance	Instant, maximum delay of 5 seconds.	
Frequency	unlimited	
Channel to actors	Network provider	
OPEN ISSUES	Network issues	
	Insufficient Data	
…any other management information…		
Superordinates		
Subordinates	receive message(s)	

USE CASE 4	Receive photo(s)	
Goal in Context	Successful photo(s) reception.	
Scope & Level	Memory space, to store text messages.	
Preconditions	Availability of digital devices	
Success End Condition	Photos are easier accessed, stored and saves cost	
Failed End Condition	Delay/ Failure in receiving hard copy of pictures	
Primary, Secondary Actors	Sender, digital device, receiver.	
Triggers	Receiver shall obtain notification.	
DESCRIPTION	**Step**	**Action**
	1.	Receiver shall open notification.
	2.	Receiver clicks on photo(s)
	4.	Photo(s) is viewed.
	5.	Receiver may save photo(s).
		Receiver may delete photo(s).
EXTENSIONS	**Step**	**Action**
	2a.	photo(s) selected: 2a1. View photo(s). 2a2. Save photo(s). 2a3. Delete photo(s).
SUB-VARIATIONS	**Step**	**Action**
	3.	Sender may use Mobile phone, Laptop, Ipad
RELATED INFORMATION	Receives messages	
Priority	Top	
Performance	Instant, maximum delay of 30 seconds.	
Frequency	1/send	
Channel to actors	Network provider	
OPEN ISSUES	Network issues	
…any other management information…		
Superordinates		
Subordinates	receive photo(s)	

USE CASE 5	Updates	
Goal in Context	Improve software services.	
Scope & Level	Memory space,	
Preconditions	Availability of digital devices, Battery.	
Success End Condition	Efficient message services.	
Failed End Condition	Delay or failure in communication.	
Primary, Secondary Actors	Digital device, user	
Triggers	Account Update	
DESCRIPTION	**Step**	**Action**
	1.	Update notification pop window.
	2.	User confirms update.
	3.	Update installs.
EXTENSIONS	**Step**	**Action**
	1a.	Update is canceled.
	1b.	Update is postponed.
SUB-VARIATIONS	**Step**	**Action**
	3a.	Update with; Mobile phone, Laptop, Ipad
	3b.	Update Installs with; WiFi Data
RELATED INFORMATION	Update Installation	
Priority	medium	
Performance	Instant, maximum delay of 45 minutes	
Frequency	1/month	
Channel to actors	Network provider	
OPEN ISSUES	Network issues	
	Insufficient Data	
…any other management information…		
Superordinates		
Subordinates	Update package(s)	

USE CASE 5	Backup	
Goal in Context	Store information	
Scope & Level	Memory space, icloud	
Preconditions	Availability of digital devices.	
Success End Condition	Data availability	
Failed End Condition	Loss of Data	
Primary, Secondary Actors	Digital device, user	
Triggers	Backup	
DESCRIPTION	Step	Action
	1.	Backup notification pop window.
	2.	User confirms backup.
	3.	backup installs.
EXTENSIONS	Step	Action
	1a.	backup is canceled.
	1b.	backup is postponed.
SUB-VARIATIONS	Step	Action
	3a.	backup with; Mobile phone, Laptop, Ipad
	3b.	backup Installs with; WiFi Data
RELATED INFORMATION	Backup Installation	
Priority	medium	
Performance	Instant, maximum delay of 45 minutes	
Frequency	1/month	
Channel to actors	Network provider	
OPEN ISSUES	Network issues	
	Insufficient Data	
…any other management information…		
Superordinates		
Subordinates	Backup	