

USE-CASE SPECIFICATION

POST AN ITEM - PTIT

Brief Description

Post an item use-case makes an item available for customers to buy.

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[Not Required]

System or Subsystem

[Not Yet Determined]

Actors:

Actor
Coordinator (CR)
Customer(CU)

Flow of Events

Basic Flow

1. CU approaches CR with an item to post.
2. CR shall authenticate customer.
3. CR starts PTIT use-case via CR01 Go-Code.
4. The system buffers user data for forms PTIT10, PTIT20, and PTIT30 → N=(10,20,30)
 - a. System generate an send PTIT(N) to CR.
 - b. CR populate and submit form PTIT(N).
 - c. Data received and validated on criteria PTIT(N).
5. Save data in AL & EvalValues tables.
6. Trigger Update History Use-Case.
7. Trigger Inform Requesters. Use-case.
8. The system sends a feedback successful operation (AL key send with the message).

Alternative Flows

Invalid Data (4.c)

1. If data received by PTIT(N) is could not be validated against Criteria PTIT(N)
 - a. System re-generate an send PTIT(N) and a feedback error message to CR.
 - b. Join 4.b

Could Not Save Data (5)

1. if data could not be saved based on some SQL Exceptions
2. The system sends a feedback error message, and a message to try again later.
3. The system logs the Exception.

Special Requirements

No.	Requirement	Related To Requirement	UC
1	Data received via forms [PTIT10, PTIT20, and PTIT30] shall be treated as an atomic piece of information. Session Object could work as a good example of buffering technique.		PTIT
2	Buffered data need to be validated at server-side since the first validation shall take place on CR client-side.	[PTIT][1]	PTIT
3	PTIT20 Form fields need to be expandable, that is allowing more fields to be added in future while existing fields must kept fixed --> Manage Evaluation Fields (MGEF) use-case (e.g. a simple database technique could use EvalFields & EvalValues linked with AL number).		PTIT
4	The type of the Item selected in PTIT10 from will guide the generation of PTIT20 form fields. (e.g. book evaluation fields are different from CD evaluation fields)		PTIT

Pre-conditions

1. Only registered (CU)'s items could be posted.
2. Only items available in LL could be posted [*See: Suggest An Item (SGIT) use-case*]
3. CR need to be signed in.

Post-condition

1. Posted Item is available in AL .
2. Posted Item evaluation is available in EvalValues.

Extension Points

[Not Yet Determined]

EXTRA-SECTIONS

[To be removed once an independent document created]

DATABASE MODEL

Note: EvalFields table serves the construction operation of the required GUI data fields to evaluate any type of item. EvalValues, on the other hand, holds user data entered through EvalFields.

EvalFields Table								
No	Item	field	FieldLabelE	FieldLabelA	type	length	multivalueE	multivalueA
1	book	NOTP	Number of torn pages	عدد الصفحات الممزقة	int	3		
2	book	WetPages	Wet Pages	عدد الصفحات المبتلة	int	3		
3	book	LostPages	Lost Pages	عدد الصفحات المفقودة	int	3		
4	book	Summarized	Summarized	ملخص كتابياً	char	20	None, Rarely, Acceptable, Good, Very good, Excellent	لا يوجد ، نادراً ، مقبول ، جيد ، جيد جداً ، ممتاز
5	book	Underlined	Summarized by Underlines	ملخص بالتخطيط	char	20	None, Rarely, Acceptable, Good, Very good, Excellent	لا يوجد ، نادراً ، مقبول ، جيد ، جيد جداً ، ممتاز
6	book	CoverStatus	Cover Status	حالة الغلاف	char	20	Not Available, Acceptable Cover, Good, As New	لا يوجد ، الغلاف بحالة مقبولة ، الغلاف جيد ، الغلاف بحالة ممتازة
7	CD	scratches	Availability Of Scratches	وجود الخدوش	char	20
8	book	scribbles	Availability Of Scribbles	عدد الصفحات المخربشة	int	3		
....

EvalValues Table	
AL.No	val
1	5:0:0:Rearly:None:Not Available
2	0:0:0:None:None:As New:14
3	
.....

AL is the list of items any customer may search and buy.

Available List (AL) Table					
No	CUID	ItemID	SellingPrice	Stars	TimeStamp
1	A12345678901	11022	2.25	3	20111121132011
2	123456789012	11023	1.65	3.5	20111123132022
3	123456789012	11024	1	1.5	20111123132311
....	YYYYMMddHHmmss

GRAPHICAL USER INTERFACE MODEL

Post An Item Use-Case [PAI]

