

LBB System

Use Case: Identify User



Essentials

Use Case UC1:	Identify User
Scope:	Library Book Borrowing System
Level:	Sub Function
Goal in Context:	The intention of the User is to identify him/herself to the System. Only one User can use the system at any one time.
Actors:	Primary: - User
	Secondary:-
Preconditions:	Loan system is running.
Postconditions:	User is identified.
Failed End Condition:	-
Trigger:	User wants to enter protected loan system area.
Main Scenario:	<ol style="list-style-type: none">1. User places his/her card in the reader; Card Reader informs System of card details.2. System validates the card.3. User provides password to System.4. System requests User Authentication Authority to verify card information and password.5. User Authentication Authority validates card information and password and confirms this to System, also providing System with <u>user information</u>*.6. System confirms identity to User.
Extensions:	<p>(1-6)a. (at any time) User requests System to cancel identification process:</p> <p>(1-6)a.1. System requests Reader to eject card; use case ends in failure.</p> <p>2a. System cannot read card:</p> <p>2a.1. System requests Reader to eject card, and</p>

	<p>informs User that card is unreadable; use case ends in failure.</p> <p>2b. System informs User that it is currently "out of service": use case ends in failure.</p> <p>3a. System times-out on waiting for User to provide PIN:</p> <p>3a.1. System requests Reader to eject card; use case ends in failure.</p> <p>5a. System fails to successfully communicate with User Authentication Authority (eg. network to Authentication Server is down):</p> <p>5a.1. System requests Reader to eject card, and informs User that it is temporally out of service; use case ends in failure^{**}.</p> <p>5b. User Authentication Authority informs System that card is invalid:</p> <p>5b.1. System requests Reader to eject card, and informs User that card is invalid; use case ends in failure.</p> <p>5c. User Authentication Authority informs System that password does not match card:</p> <p>5c.1a. System ascertains that the User has input an incorrect password less than three times:</p> <p>5c.1a.1 System requests User to try password again; use case continues at step 3.</p> <p>5c.1b. System ascertains that the User has input an incorrect password three times:</p> <p>5c.1b.1. System requests Reader to eject card and informs User that he/she should ask for assistance; use case ends in failure.</p>
Open Issues:	<p>* normally a hyperlink to the document that contains data details and formats.</p> <p>** this is an open issue on what the System is to do when confronted with this situation, e.g., does it go "out of service" and poll Authentication Server? or does it just go "out of service" until Maintenance comes...</p>

Related Information

<this section contains additional information for a more detailed and complete use case description. This information is usually added in a third or fourth description iteration>

Special Requirements:	<i>* <list additional or detailed technological or data requirements either for the whole use case or for individual steps. In the later case reference the step number from the above scenario descriptions.></i>
Priority:	<i>* <how critical to your system / organization, use the standard categories use in your organizations></i>
Performance:	<i>* <The amount this use case or a single step should take.></i>
Frequency:	<i>* <how often it is expected to happen></i>
Due Date:	<i>* <date or release needed></i>
Super Use Cases:	<i>* <name of use case(s) that includes this one></i>
Sub Use Cases:	<i>* <links to sub use cases></i>

** The use case description is not complete; it is filled out only as far as needed for the course.*

Derived from "RE-A2 Requirements Engineering with Use Cases", S. Sendal & A. Strohmeier, [SWEED](#), 2001

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Last modified: 15.08.2002 , [M.Kropp](#)