Requirements Solicitation:

Think Fast Scenarios & Diagrams

Conducted for Think, Inc. by EPIC Consulting

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Consulting Team: Michael Gooden | Kafi A. Joseph | Maurice Sutton

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Background

- Goals are important for documenting the stakeholders' intentions and the rationale for why the system is to be developed
- Scenarios:
  - provide a solid method for the stakeholders to understand and explain what stakeholders want in the system
  - demonstrate the sequence of interaction steps that need to be executed in order to satisfy a goal
- This deliverable contains Scenarios and corresponding diagrams

Textual Scenario

Section	Content/Explanation
Identifier	B-1-HW4
Name	Secure Cloud Data
Author	Michael Gooden
Version	V 2.0
Change History	V 1.0, 08.18.2014 V 2.0, 08.20.2014
Priority	High
Criticality	High
Source	Chief Technology Officer of Think Inc.
Responsible Stakeholder	Corporate Data Warehouse (IT) Manager-(Think Big) Information Technology Development Manager-(Think Fast)
Short Description	Think Fast and Think Rain exchange data securely within a cloud environment. Both systems also exchange secure information with Think Big and other systems within the corporate Data Warehouse.
Scenario Types	Main Scenario-Interaction Scenarios (type B)
Goals	G1: Secure data exchange.
Actors	Think Fast, Think Big, IT support, Users
Precondition	All Think systems are connected through digital data interface links.
Post condition	The required data arrives at the destination system.
Result	Secure and accurate data delivered to the destination system.
Main Scenario steps	1. User logs into Think Fast system.
	2. Think Fast system authenticates User's id and password.
	3. User inputs data request into Think Fast.
	4. Think Fast connects to Think Big system over secure data link.
	5. Think Big interrogates Think Fast system per security protocol.
	6. Think Fast provides correct security response for access.
	7. Think Big allows access to its database.
	8. Think Fast submits the User's data request.
	9. Think Big provides the requested data to the User.
Exception Scenarios steps	2a. Think Fast fails to authenticate User's Id and password.
	3a. Unauthorized User request data from Think Big.
	4a. Think Big alerts unathorized request to IT support
	5a. Think Big blocks unathorized user access.
Qualties	Q-1.0. Users are only allowed 3 failed login attempts before lockout.
	Q-2.0. IT support will be alerted of unathorized access within 15 secs of third attempt.
	Q-3.0. Successful access will be granted with 30 secs of correct login.
Relationships to other use caes	TBD

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Use Case Scenario

Section	Content
Identifier	UC-1-HW4
Name	Securely Communicate and Share Data
Authors	Michael E. Gooden; Kafi Joseph; Maurice T. Sutton
Version	V.1.0
Change History	V.1.0 23.08.2014
Priority	High
Criticality	High
Source	Chief Technology Officer
Resonsible Stakeholder	Team Epic, Corportate Data Warehouse, Information Technology Development Manager
Short Description	Communications is established between Think, Inc's enterprise systems. Data is shared across secure communications among Think, Inc's enterprise systems. Think Fast and Think Rain exchange data securely within a cloud environment. Both systems also exchange secure information with Think Big and other systems within the corporate Data Warehouse.
Use Case Level	User level
Goal(s)	Secure Data exchange
Primary Actor	User
Other Actors	The "Cloud"; Think Inc. Enterprise Systems, IT Support
Precondition	All Think systems are connected through digital data interface links.
Postcondition	User has achieved their goal of having required data arrive securely at destination system.
Result	Secure communications and data sharing using a Cloud environment and corporate data center.
Main Scenario	1. User logs into Think Fast system.
	2. Think Fast system authenticates User's id and password.
	3. User inputs data request into Think Fast
	4. Think Fast connects to Think Big system over secure data link.
	5. Think Big interrogates Think Fast system per security protocol.
	6. Think Fast provides correct security response for access.
	7. Think Big allows access to it's database.
	8. Think Fast submits the User's data request.
	9. Think Big provides the requested data to the User.
Alternative Scenarios	**5a. Think Big interrogates Think Fast system per updated security protocol.**
	5a1. Enterprise Security Personnel send security update to Think Inc.'s systems.
	5a2. Think Inc. systems identifies new security protocol
	5a3. Think Inc. systems implement new security protocol
	5a4. Think Fast uses newly implemented security protocol to authenticate user
	5a5. User accesses data
Exception Scenarios	**2a. Think Fast fails to authenticate User's Id and password.**
	2a1. Unauthorized User request data from Think Big.
	2a2. Think Big interrogates Unauthorized User.
	2a3. Think Big alerts Network Intrusion Detection Team (NIDT) of unathorized request to access data
	2a4. Think Big blocks unathorized user access.
Qualities	Q-1.0. Users are only allowed 3 failed login attempts before lockout.
	Q-2.0. Network Intrusion Detection Team will be alerted of unathorized access within 15 secs of third attempt.
	Q-3.0. Successful access will be granted within 30 secs of correct login.
Relationships to other Use Cases	TBD

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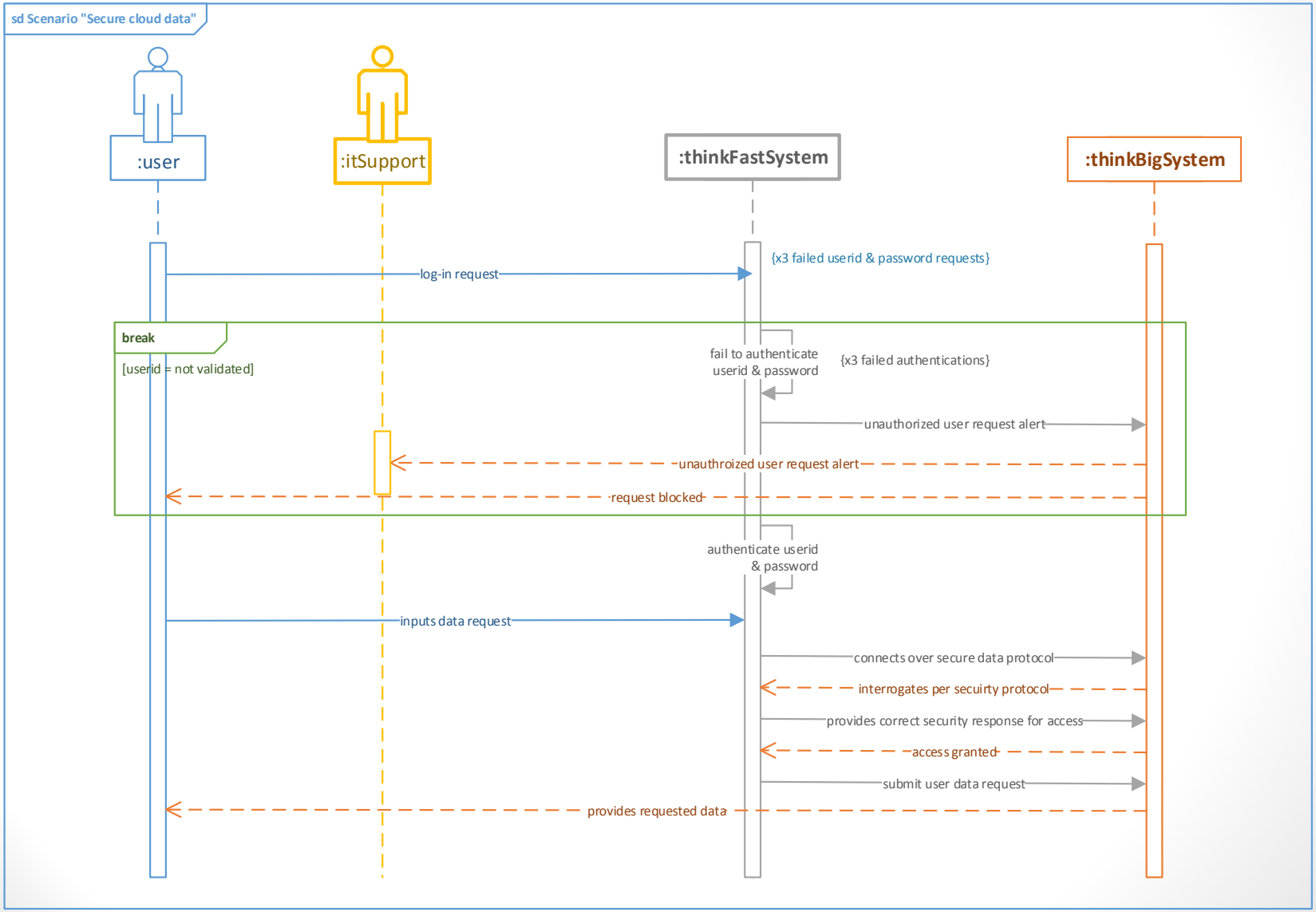
Sequence Diagram (depicting textual scenario)



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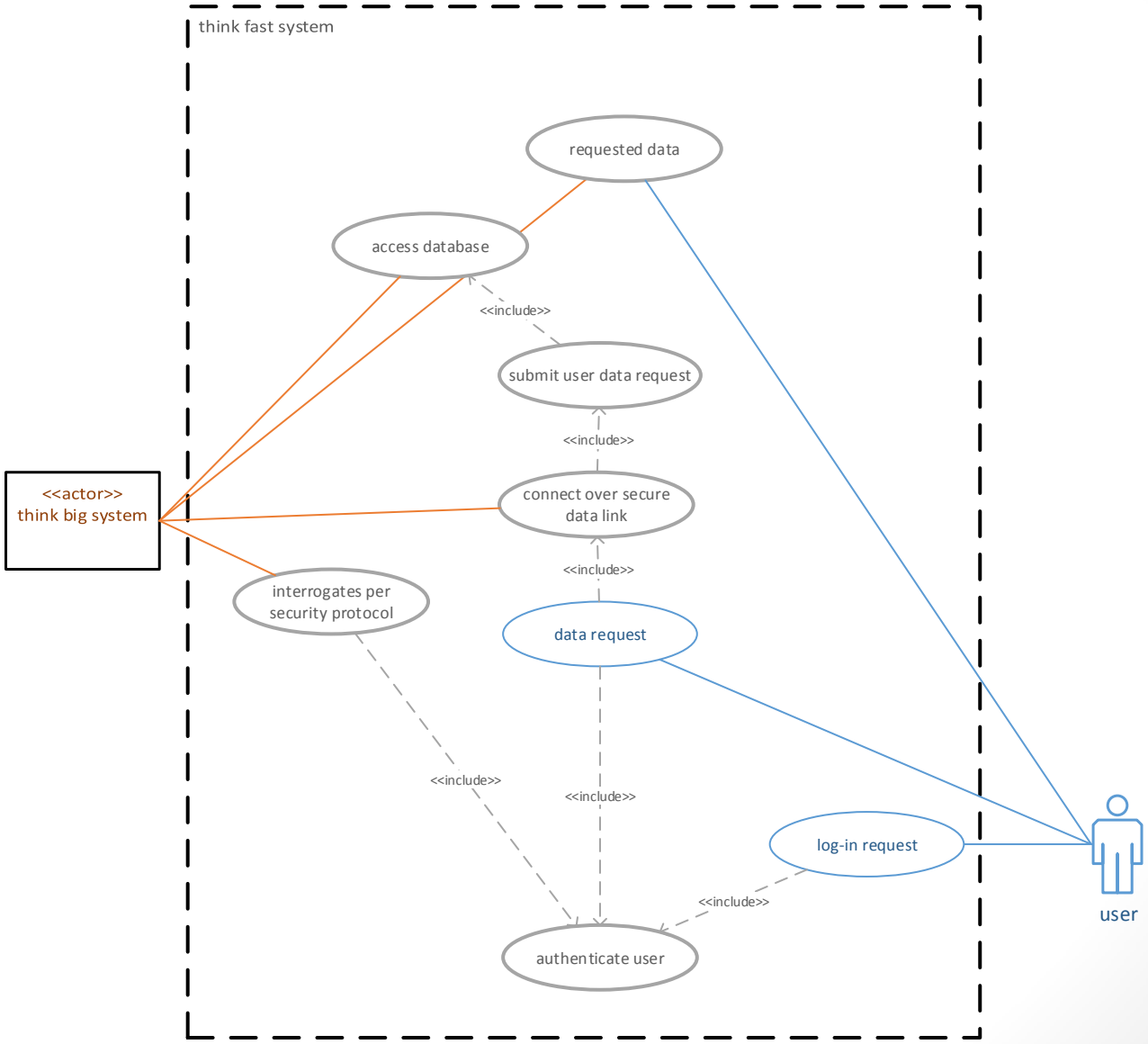
Use Case Diagram (Main)



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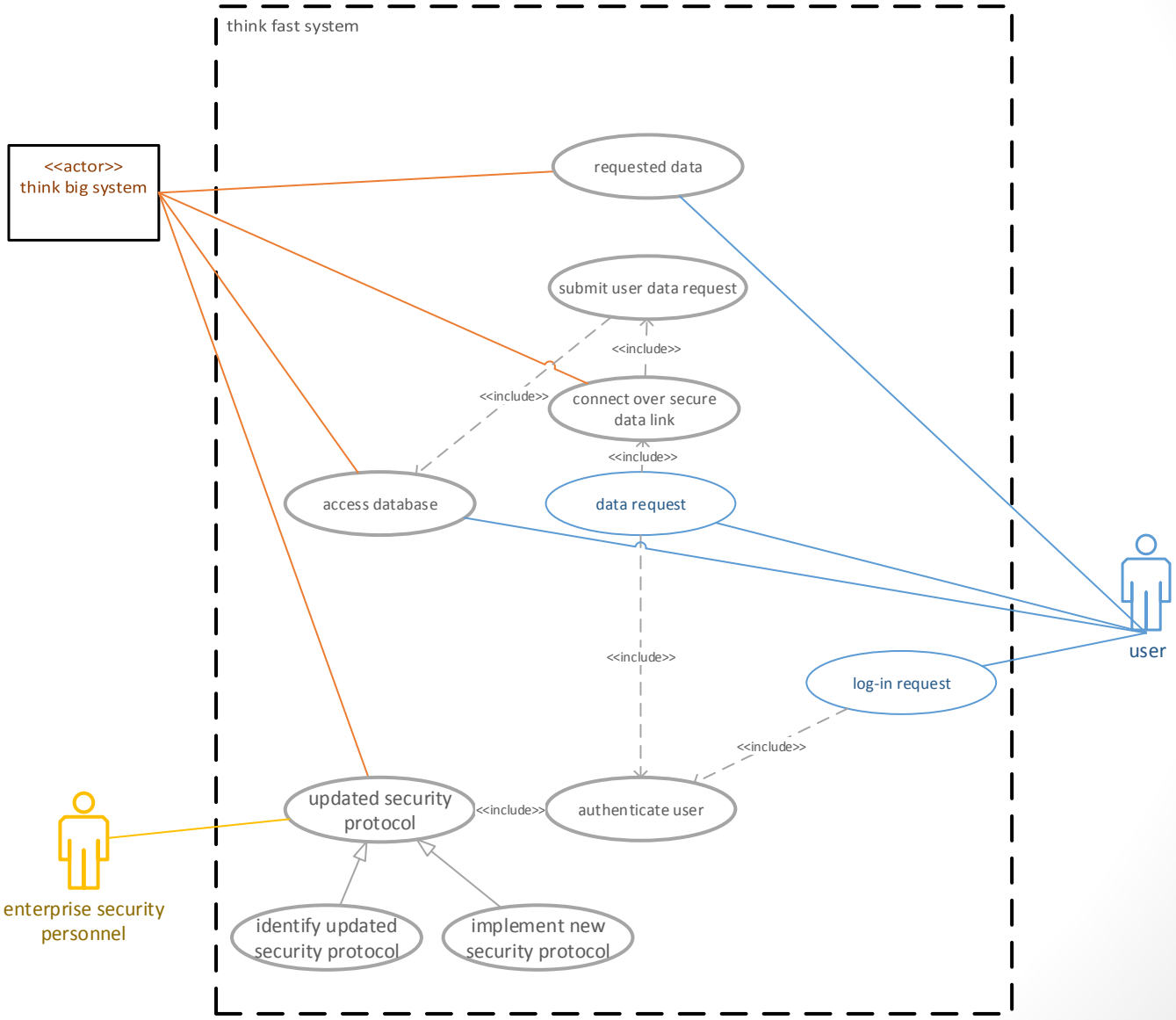
Use Case Diagram (Alternative)



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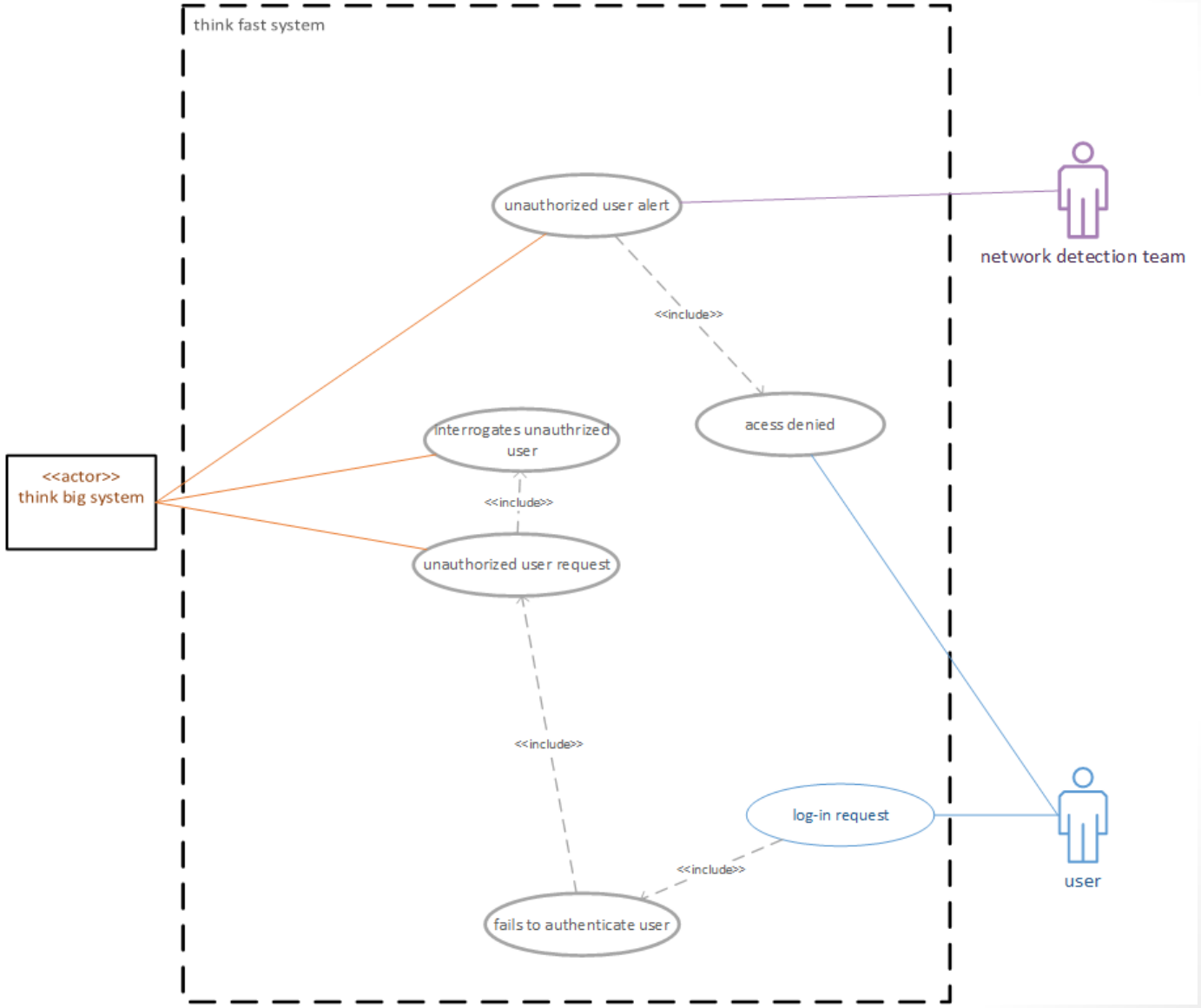
Use Case Diagram (Exception)



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