

Use Case Diagram Example

1. A Use Case and its Description

Figure 1.1:

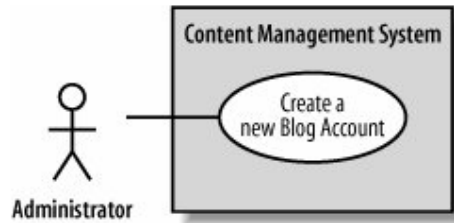
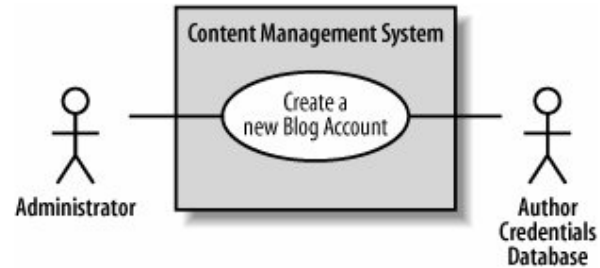


Table 1:

Use case name	Create a new Blog Account	
Related Requirements	Requirement A.1.	
Goal In Context	A new or existing author requests a new blog account from the Administrator.	
Preconditions	The system is limited to recognized authors and so the author needs to have appropriate proof of identity.	
Successful End Condition	A new blog account is created for the author.	
Failed End Condition	The application for a new blog account is rejected.	
Primary Actors	Administrator.	
Secondary Actors	Author Credentials Database.	
Trigger	The Administrator asks the CMS to create a new blog account.	
Main Flow	Step	Action
	1	The Administrator asks the system to create a new blog account.
	2	The Administrator selects an account type.
	3	The Administrator enters the author's details.
	4	The author's details are verified using the Author Credentials Database.
	5	The new blog account is created.
	6	A summary of the new blog account's details are emailed to the author.
Extensions	Step	Branching Action
	4.1	The Author Credentials Database does not verify the author's details.
	4.2	The author's new blog account application is rejected.

Figure 1.2:



2. New Requirement, New Use Case

Figure 2:

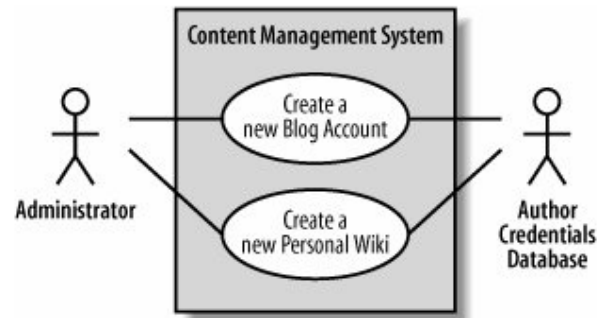


Table 2:

Use case name	Create a new Personal Wiki	
Related Requirements	Requirement A.2.	
Goal In Context	A new or existing author requests a new personal Wiki from the Administrator.	
Preconditions	The author has appropriate proof of identity.	
Successful End Condition	A new personal Wiki is created for the author.	
Failed End Condition	The application for a new personal Wiki is rejected.	
Primary Actors	Administrator.	
Secondary Actors	Author Credentials Database.	
Trigger	The Administrator asks the CMS to create a new personal Wiki.	
Main Flow	Step	Action
	1	The Administrator asks the system to create a new personal Wiki.
	2	The Administrator enters the author's details.
	3	The author's details are verified using the Author Credentials Database.
	4	The new personal Wiki is created.
	5	A summary of the new personal Wiki's details are emailed to the author.

Extensions	Step	Branching Action
	3.1	The Author Credentials Database does not verify the author's details.
	3.2	The author's new personal Wiki application is rejected.

3. Include Relationship

Figure 3:

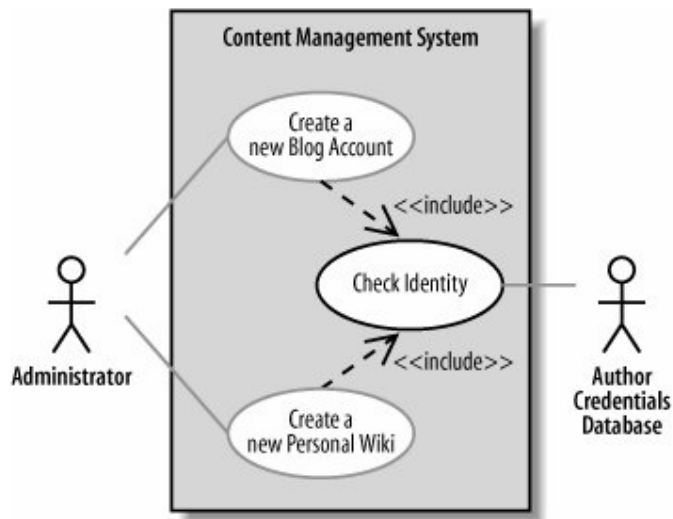


Table 3.1:

Use case name	Create a new Blog Account	
Related Requirements	Requirement A.1.	
Goal In Context	A new or existing author requests a new blog account from the Administrator.	
Preconditions	The author has appropriate proof of identity.	
Successful End Condition	A new blog account is created for the author.	
Failed End Condition	The application for a new blog account is rejected.	
Primary Actors	Administrator	
Secondary Actors	None	
Trigger	The Administrator asks the CMS to create a new blog account.	
Included Cases	Check Identity	
Main Flow	Step	Action
	1	The Administrator asks the system to create a new blog account.
	2	The Administrator selects an account type.

	3	The Administrator enters the author's details.
	4 include::Check Identity	The author's details are checked.
	5	The new account is created.
	6	A summary of the new blog account's details are emailed to the author.

Table 3.2:

Use case name	Create a new Personal Wiki	
Related Requirements	Requirement A.2	
Goal In Context	A new or existing author requests a new personal Wiki from the Administrator.	
Preconditions	The author has appropriate proof of identity.	
Successful End Condition	A new personal Wiki is created for the author.	
Failed End Condition	The application for a new personal Wiki is rejected.	
Primary Actors	Administrator	
Secondary Actors	None	
Trigger	The Administrator asks the CMS to create a new personal Wiki.	
Included Cases	Check Identity	
Main Flow	Step	Action
	1	The Administrator asks the system to create a new personal Wiki.
	2	The Administrator enters the author's details.
	3 include::Check Identity	The author's details are checked.
	5	The new personal Wiki is created.
	6	A summary of the new personal Wiki's details are emailed to the author.

Table 3.3:

Use case name	Check Identity
Related Requirements	Requirement A.1, Requirement A.2.
Goal In Context	An author's details need to be checked and verified as accurate.

Preconditions	The author being checked has appropriate proof of identity.	
Successful End Condition	The details are verified.	
Failed End Condition	The details are not verified.	
Primary Actors	Author Credentials Database.	
Secondary Actors	None.	
Trigger	An author's credentials are provided to the system for verification.	
Main Flow	Step	Action
	1	The details are provided to the system.
	2	The Author Credentials Database verifies the details.
	3	The details are returned as verified by the Author Credentials Database.
Extensions	Step	Branching Action
	2.1	The Author Credentials Database does not verify the details.
	2.2	The details are returned as unverified.

4. Special Case

Figure 4:

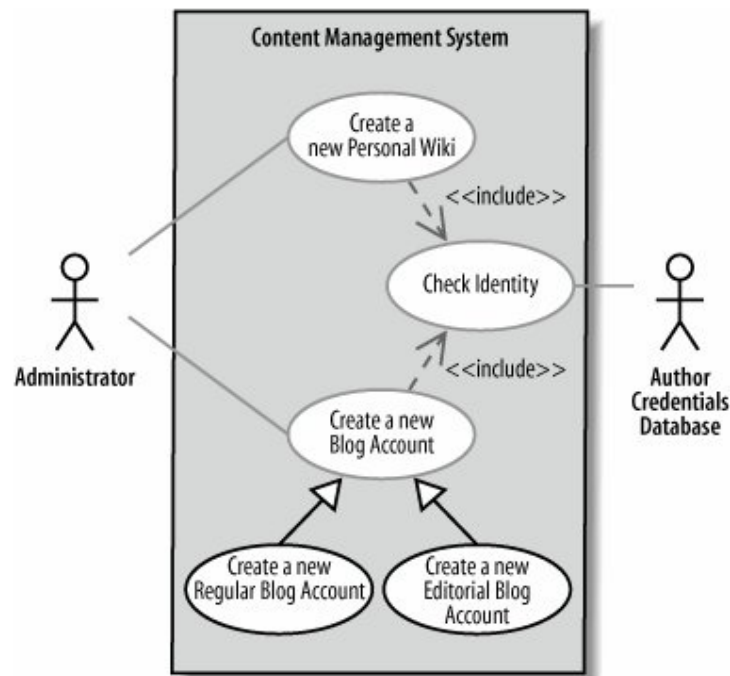


Table 4:

Use case name	Create a new Editorial Blog Account	
Related Requirements	Requirement A.1.	
Goal In Context	A new or existing author requests a new editorial blog account from the Administrator .	
Preconditions	The author has appropriate proof of identity.	
Successful End Condition	A new editorial blog account is created for the author.	
Failed End Condition	The application for a new editorial blog account is rejected.	
Primary Actors	Administrator.	
Secondary Actors	None.	
Trigger	The Administrator asks the CMS to create a new editorial account that will allow an author to edit entries in a set of blogs.	
Base Use Cases	Create a new Blog Account	
Main Flow	Step	Action
	1	The Administrator asks the system to create a new blog account.
	2	The Administrator selects the editorial account type.
	3	The Administrator enters the author's details.
	4	The Administrator selects the blogs that the account is to have editorial rights over.
	5 include::Check Identity	The author's details are checked.
	6	The new editorial account is created.
	7	A summary of the new editorial account's details are emailed to the author.
Extensions	Step	Branching Action
	5.1	The author is not allowed to edit the indicated blogs.
	5.2	The editorial blog account application is rejected.
	5.3	The application rejection is recorded as part of the author's history.

5. Extend Relationship

Figure 5:

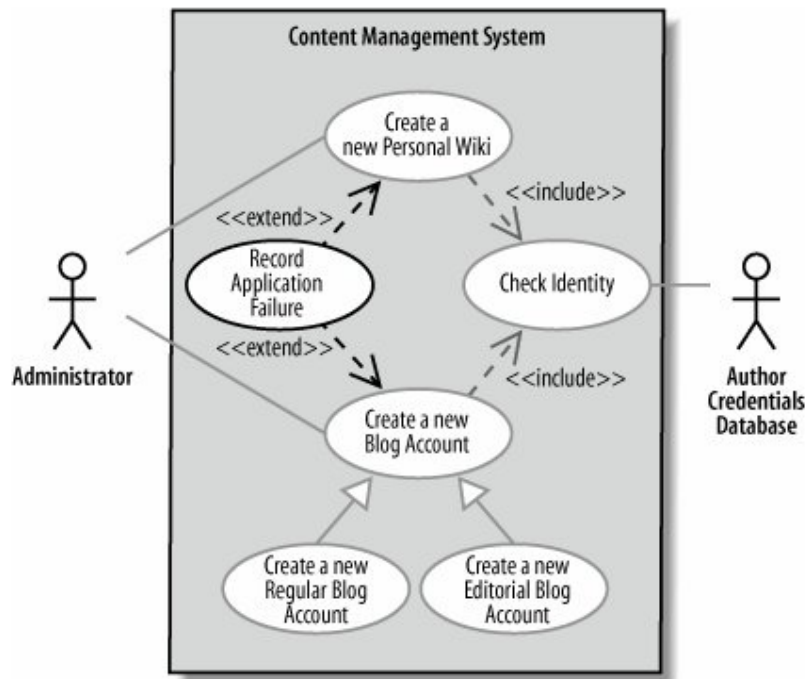


Table 5:

Use case name	Create a new Blog Account	
Related Requirements	Requirement A.1.	
Goal In Context	A new or existing author requests a new blog account from the Administrator.	
Preconditions	The author has appropriate proof of identity.	
Successful End Condition	A new blog account is created for the author.	
Failed End Condition	The application for a new blog account is rejected.	
Primary Actors	Administrator.	
Secondary Actors	None.	
Trigger	The Administrator asks the CMS to create a new blog account.	
Included Cases	Check Identity	
Main Flow	Step	Action
	1	The Administrator asks the system to create a new blog account.
	2	The Administrator selects an account type.
	3	The Administrator enters the author's details.

	4 include::Check Identity	The author's details are checked.
	5	The new account is created.
	6	A summary of the new blog account's details are emailed to the author.
Extensions	Step	Branching Action
	4.1	The author is not allowed to create a new blog.
	4.2	The blog account application is rejected.
	4.3	The application rejection is recorded as part of the author's history.

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Reference:

Miles, R. (2006). *Learning UML 2.0*. O'Reilly