

Blume

Software Engineering LLC

Blume Software Engineering LLC
Frederick P Blume Jr

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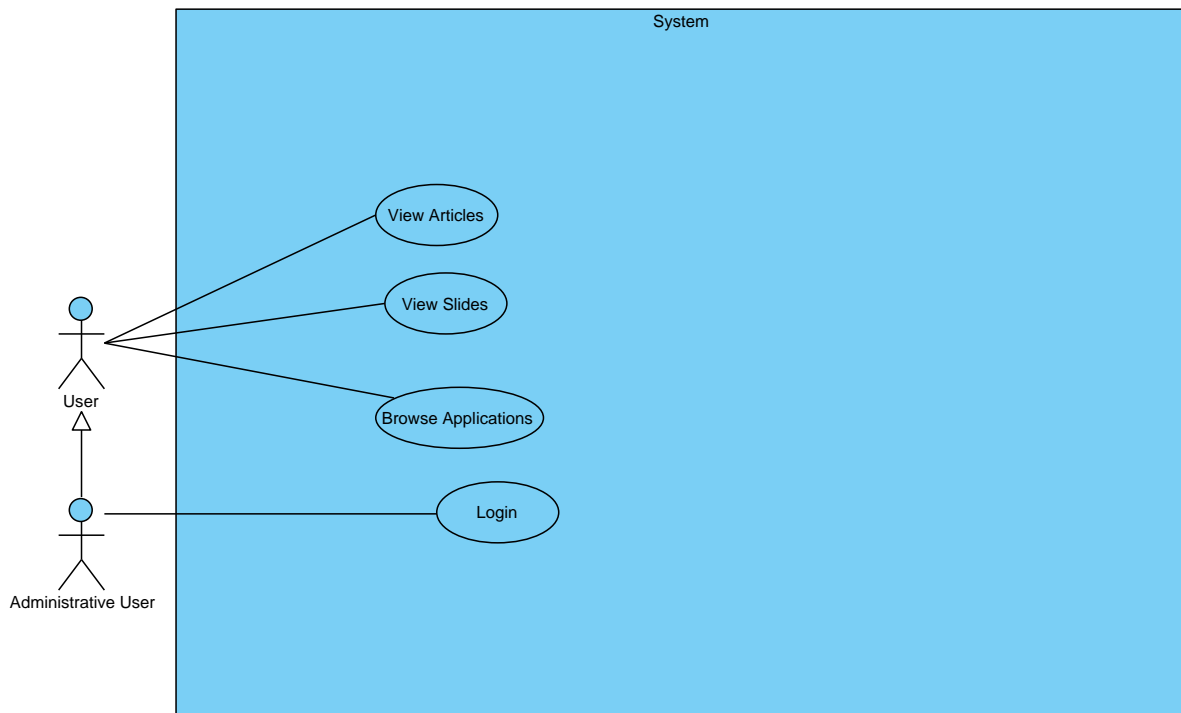
Grid

Glossary Grid

Name	Aliases	Labels	Description
Administrative User	Admin		The user who can add, change, delete article content, create new users and change user roles in the system .
System			Blume Software Engineering LLC website, a.k.a. System .
Article	Articles		Verbiage on a particular topic that is intended to elucidate and illuminate. Detailed explanation of a subject relevant to the matter - in order to communicate ideas.
Blume Software Engineering LLC	BSE LLC		My company.
Model			An abstract representation of an object that communicates details about the object - to increase communication and therefore the understanding on both sides of a communication, both sender and receiver.
user	Users		The people who use the system . May be developers or regular passers-by who are looking for some insight on the company - or the approach the company uses to build software.

Use Case Diagram

BSEUseCase









Name	Value
Name	BSEUseCase
Author	Frederick
Create Date Time	Nov 23, 2015 4:10:19 PM
Last Modified	Feb 16, 2016 3:19:37 PM
Teamwork Create Date Time	Dec 31, 1969 5:00:00 PM
Point Connector End To Compartment Member	false

Summary

Name	Description
♂ User	The basic system user who wants to see what Blume Software Engineering is about, how it approaches software development.

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(Words fly away,
writings stay behind)

 Administrative User	<p>The Administrative User - is a specialization of the basic user - who has administrator privileges with which to maintain the site, adding, modifying or deleting articles. The Administrative User may also add user logins and add them to roles in order to provide security.</p>
 View Slides	<p>When applicable to any particular article, the user may watch a slide show or video that relates to the process of building any particular model or code. In this case of usage of the system, the user watches a series of pages or a video - about the topic.</p>
 Browse Applications	<p>Eventually, I will have several web-based applications available for review under this domain. For now, it is only in the vision for this project and will remain on the back burner until more time is de-allocated from other projects...</p>
 View Articles	<p>This specific instance of the use of the system - is about articles. How does the user get to articles, filter them by key words, select an article and then possibly view model documentation that may accompany the article - and also view a slide show that shows a step-by-step creation of the model - and the software that reflects it.</p>
 Login	<p>Priority is high for this. Already implemented locally, still in process of implementing on the host.</p> <p>This use case covers the detailed flow of a login scenario - where the user inputs a user name and password to gain access to secure areas of the system.</p>
 System	<p>On Use Cases in general: Properly formulated, Use Cases capture the users' workflow (the users' behavior) AND the behavior of the system as it responds to the user. So, the Use case captures the behavior of the user, the system - and what must go into the system to provide the behavior of the system. Thus, Use Cases capture everything users expect from a system that enables them to do their jobs - in the manner they prefer.</p> <p>One man's opinion on why he still finds use cases useful: Why I still use use cases.</p> <p>This system, BlumeSoftwareEngineering.com - is my company website that displays basic information about what the company does, providing different articles - with accompanying UML models - to illustrate how the system was conceived, what behaviors are expected from both users and</p>

the [system](#) itself - to get the [user's](#) requirements met. In the case of the "View [Articles](#)" Use Case, it shows the "back and forth" between the [user](#) and the [system](#) which helps the [user](#) gain an understanding about what the company does and why it uses this particular approach.

Modeling done with [Visual Paradigm](#)

For more information about use cases, please refer to these resources:

[The Unified Modeling Language User Guide](#)
[Use Case Modeling](#)
[Advanced Use Case Modeling: Software Systems](#)
[Building Web Applications with UML](#)
[UML Applied](#)

Details

User

Name	Value	
Description	The basic system user who wants to see what Blume Software Engineering is about, how it approaches software development.	
ID	AC01	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Business Model	false	
Project Management	Name	Value
	Author	Frederick
	Create Date Time	Nov 23, 2015 4:10:49 PM
	Last Modified	Feb 16, 2016 12:47:27 PM

Relationships



Unnamed Association


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To	Name		Value	
	End Model Element	View Articles		
	Provide Property Getter Method	false		
	Provide Property Setter Method	false		
	Multiplicity	Unspecified		
	Visibility	Unspecified		
	Aggregation Kind	None		
	Navigable	Navigable		
	Derived	false		
	Derived Union	false		
	Read Only	false		
	Static	false		
	Leaf	false		
	Type	View Articles		
	Project Management	Name		Value
Author		Frederick		
Create Date Time		Nov 26, 2015 3:21:24 PM		
Abstract	false			
Leaf	false			
Visibility	Unspecified			
Derived	false			
Project Management	Name		Value	
	Author	Frederick		
	Create Date Time	Nov 26, 2015 3:21:24 PM		
	Last Modified	Jan 3, 2016 8:28:08 PM		
Unnamed Association				

To	Name		Value	
	End Model Element	<input checked="" type="radio"/> Browse Applications		
	Provide Property Getter Method	false		
	Provide Property Setter Method	false		
	Multiplicity	Unspecified		
	Visibility	Unspecified		
	Aggregation Kind	None		
	Navigable	Navigable		
	Derived	false		
	Derived Union	false		
	Read Only	false		
	Static	false		
	Leaf	false		
	Type	<input checked="" type="radio"/> Browse Applications		
	Project Management	Name		Value
Author		Frederick		
Create Date Time		Nov 26, 2015 3:22:05 PM		
Abstract	false			
Leaf	false			
Visibility	Unspecified			
Derived	false			
Project Management	Name		Value	
	Author	Frederick		
	Create Date Time	Nov 26, 2015 3:22:05 PM		
	Last Modified	Jan 3, 2016 8:28:08 PM		

Unnamed Association

To	Name		Value	
	End Model Element	 View Slides		
	Provide Property Getter Method	false		
	Provide Property Setter Method	false		
	Multiplicity	Unspecified		
	Visibility	Unspecified		
	Aggregation Kind	None		
	Navigable	Navigable		
	Derived	false		
	Derived Union	false		
	Read Only	false		
	Static	false		
	Leaf	false		
	Type	 View Slides		
	Project Management	Name		Value
Author		Frederick		
Create Date Time		Nov 25, 2015 11:56:45 AM		
Abstract	false			
Leaf	false			
Visibility	Unspecified			
Derived	false			
Project Management	Name		Value	
	Author	Frederick		
	Create Date Time	Nov 25, 2015 11:56:45 AM		
	Last Modified	Jan 3, 2016 8:28:08 PM		

Unnamed Generalization	
To	 Administrative User
Substitutable	false
Visibility	Unspecified

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Project Management	Name	Value
	Author	Frederick
	Create Date Time	Feb 8, 2016 4:27:24 PM
	Last Modified	Feb 8, 2016 4:27:57 PM

Administrative User

Name	Value	
Description	The Administrative User - is a specialization of the basic user - who has administrator privileges with which to maintain the site, adding, modifying or deleting articles . The Administrative User may also add user logins and add them to roles in order to provide security.	
ID	AC02	
Visibility	public	
Abstract	false	
Leaf	false	
Root	false	
Business Model	false	
Project Management	Name	Value
	Author	Frederick
	Create Date Time	Feb 8, 2016 4:24:55 PM
	Last Modified	Feb 16, 2016 12:12:46 PM

Relationships

Unnamed Association

To	Name		Value	
	End Model Element	● Login		
	Provide Property Getter Method	false		
	Provide Property Setter Method	false		
	Multiplicity	Unspecified		
	Visibility	Unspecified		
	Aggregation Kind	None		
	Navigable	Navigable		
	Derived	false		
	Derived Union	false		
	Read Only	false		
	Static	false		
	Leaf	false		
	Type	● Login		
	Project Management	Name		Value
Author		Frederick		
Create Date Time		Feb 8, 2016 4:25:31 PM		
Abstract	false			
Leaf	false			
Visibility	Unspecified			
Derived	false			
Project Management	Name		Value	
	Author	Frederick		
	Create Date Time	Feb 8, 2016 4:25:31 PM		
	Last Modified	Feb 8, 2016 4:27:57 PM		
Unnamed Generalization				
From	♀ User			
Substitutable	false			
Visibility	Unspecified			

Project Management	Name	Value
	Author	Frederick
	Create Date Time	Feb 8, 2016 4:27:24 PM
	Last Modified	Feb 8, 2016 4:27:57 PM

View Slides

Name	Value	
Description	When applicable to any particular article , the user may watch a slide show or video that relates to the process of building any particular model or code. In this case of usage of the system , the user watches a series of pages or a video - about the topic.	
ID	UC04	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Business Model	false	
Status	Identify	
Rank	Unspecified	
Project Management	Name	Value
	Iteration	Iteration 2
	Phase	Inception
	Discipline	Requirements
	Author	Frederick
	Create Date Time	Nov 25, 2015 11:56:18 AM
	Last Modified	Feb 16, 2016 12:51:01 PM

Relationships

Unnamed Association

From	Name		Value
	End Model Element	User	
	Provide Property Getter Method	false	
	Provide Property Setter Method	false	
	Multiplicity	Unspecified	
	Visibility	Unspecified	
	Aggregation Kind	None	
	Navigable	Navigable	
	Derived	false	
	Derived Union	false	
	Read Only	false	
	Static	false	
	Leaf	false	
	Type	User	
	Project Management	Name	
Author		Frederick	
Create Date Time		Nov 25, 2015 11:56:45 AM	
Abstract	false		
Leaf	false		
Visibility	Unspecified		
Derived	false		
Project Management	Name		Value
	Author	Frederick	
	Create Date Time	Nov 25, 2015 11:56:45 AM	
	Last Modified	Jan 3, 2016 8:28:08 PM	

Scenario

1. The **system** is displaying an **article** and may present an available slide show to illustrate the key points of the **article**.
2. The **user** selects the option to view the slide show.

- | |
|--|
| 3. The system presents verbiage and graphics that take the user through the key points of the article . |
| 4. The user navigates through the slides from beginning to end, sometimes going back to previous slides to gain understanding on the topic presented. |
| 5. The Use Case ends when the user has either completed the slide show or has opted to exit the slide show or video. |
| 6. |

Browse Applications

Name	Value	
Description	Eventually, I will have several web-based applications available for review under this domain. For now, it is only in the vision for this project and will remain on the back burner until more time is de-allocated from other projects...	
ID	UC03	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Business Model	false	
Status	Identify	
Rank	Low	
Project Management	Name	Value
	Iteration	Iteration 2
	Phase	Inception
	Discipline	Business Modeling
	Author	Frederick
	Create Date Time	Nov 23, 2015 4:11:43 PM
	Last Modified	Feb 16, 2016 12:51:01 PM

Relationships

Unnamed Association

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From	Name	Value	
	End Model Element	User	
	Provide Property Getter Method	false	
	Provide Property Setter Method	false	
	Multiplicity	Unspecified	
	Visibility	Unspecified	
	Aggregation Kind	None	
	Navigable	Navigable	
	Derived	false	
	Derived Union	false	
	Read Only	false	
	Static	false	
	Leaf	false	
	Type	User	
	Project Management	Name	Value
Author		Frederick	
Create Date Time		Nov 26, 2015 3:22:05 PM	
Abstract	false		
Leaf	false		
Visibility	Unspecified		
Derived	false		
Project Management	Name	Value	
	Author	Frederick	
	Create Date Time	Nov 26, 2015 3:22:05 PM	
	Last Modified	Jan 3, 2016 8:28:08 PM	

View Articles

Name	Value
Description	This specific instance of the use of the system - is about articles . How does the user get to articles , filter them by

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	key words, select an article and then possibly view model documentation that may accompany the article - and also view a slide show that shows a step-by-step creation of the model - and the software that reflects it.	
ID	UC02	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Business Model	false	
Status	Identify	
Rank	Unspecified	
Project Management	Name	Value
	Iteration	Iteration 1
	Phase	Transition
	Discipline	Testing
	Author	Frederick
	Create Date Time	Nov 23, 2015 4:11:28 PM
	Last Modified	Feb 16, 2016 2:02:25 PM

Relationships

Unnamed Association

From	Name		Value
	End Model Element	User	
	Provide Property Getter Method	false	
	Provide Property Setter Method	false	
	Multiplicity	Unspecified	
	Visibility	Unspecified	
	Aggregation Kind	None	
	Navigable	Navigable	
	Derived	false	
	Derived Union	false	
	Read Only	false	
	Static	false	
	Leaf	false	
	Type	User	
	Project Management	Name	
Author		Frederick	
Create Date Time		Nov 26, 2015 3:21:24 PM	
Abstract	false		
Leaf	false		
Visibility	Unspecified		
Derived	false		
Project Management	Name		Value
	Author	Frederick	
	Create Date Time	Nov 26, 2015 3:21:24 PM	
	Last Modified	Jan 3, 2016 8:28:08 PM	

Scenario

- | |
|---|
| 1. The system is ready |
| 2. The user selects the option to look at software engineering articles |

3. The system presents an interface that allows the user to search articles by keywords and a way to page through the articles .
4. The user enters the search term(s)
5. The system presents the results of the search
6. The user selects an article
7. The system shows the article
8. The user may select the option - from the article - to view a slide show (if available) that illustrates the key points of the article .
9. The user finishes with the article .
10. The system presents a link to Model Documentation near the bottom of the page.
11. The user may select the option to view Model Documentation. If selected, a new browser window is opened and a .PDF version of the published model appears.
12. When the user is done with the article , any available slide shows and Model Documentation, they may select "Back to List".
13. The system presents the full article list, minus any selection filters.
14. The use case ends when the user is finished viewing articles , slideshows and Model Documentation.

Extension

9.a. The user may, from this point close the article and exit " Articles ", or they may choose to view the other articles that turned up in the search they initiated.
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Sub Diagrams

Name	Description
 ViewArticlesActivity	

Login

Name	Value
Description	<p>Priority is high for this. Already implemented locally, still in process of implementing on the host.</p> <p>This use case covers the detailed flow of a login scenario - where the user inputs a user name and password to gain access to secure areas of the system.</p>

ID	UC01	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Business Model	false	
Status	Identify	
Rank	High	
Project Management	Name	Value
	Status	Implemented
	Difficulty	Medium
	Priority	High
	Version	1.0
	Iteration	Iteration 1
	Phase	Construction
	Discipline	Implementation
	Author	Frederick
	Create Date Time	Nov 23, 2015 4:10:58 PM
	Last Modified	Feb 16, 2016 12:51:01 PM

Relationships

Unnamed Association

From	Name	Value	
	End Model Element	Administrative User	
	Provide Property Getter Method	false	
	Provide Property Setter Method	false	
	Multiplicity	Unspecified	
	Visibility	Unspecified	
	Aggregation Kind	None	
	Navigable	Navigable	
	Derived	false	
	Derived Union	false	
	Read Only	false	
	Static	false	
	Leaf	false	
	Type	Administrative User	
	Project Management	Name	Value
Author		Frederick	
Create Date Time		Feb 8, 2016 4:25:31 PM	
Abstract	false		
Leaf	false		
Visibility	Unspecified		
Derived	false		
Project Management	Name	Value	
	Author	Frederick	
	Create Date Time	Feb 8, 2016 4:25:31 PM	
	Last Modified	Feb 8, 2016 4:27:57 PM	

Scenario

1. The [system](#) is ready
2. The [Administrative User](#) selects the option to do administrative work on the [System](#), adding [articles](#), published models, creating new [users](#) and assigning [system](#) roles.

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3. The system presents a "Login" interface.
4. The Administrative User supplies an administrator name and password.
5. The system checks the supplied credentials and either grants access or denies entry, depending on what the user enters.
6. If the User has correctly entered and valid credentials and they exist as an administrator in the system , The system provides an interface for to administer articles or users and user roles.
7. The use case ends when the Administrative User has logged in.

System

Name	Value
Description	<p>On Use Cases in general: Properly formulated, Use Cases capture the users' workflow (the users' behavior) AND the behavior of the system as it responds to the user. So, the Use case captures the behavior of the user, the system - and what must go into the system to provide the behavior of the system. Thus, Use Cases capture everything users expect from a system that enables them to do their jobs - in the manner they prefer.</p> <p>One man's opinion on why he still finds use cases useful: Why I still use use cases.</p> <p>This system, BlumeSoftwareEngineering.com - is my company website that displays basic information about what the company does, providing different articles - with accompanying UML models - to illustrate how the system was conceived, what behaviors are expected from both users and the system itself - to get the user's requirements met. In the case of the "View Articles" Use Case, it shows the "back and forth" between the user and the system which helps the user gain an understanding about what the company does and why it uses this particular approach.</p> <p>Modeling done with Visual Paradigm</p>

	<p>For more information about use cases, please refer to these resources:</p> <p>The Unified Modeling Language User Guide Use Case Modeling Advanced Use Case Modeling: Software Systems Building Web Applications with UML UML Applied</p>	
Abstract	false	
Leaf	false	
Root	false	
Project Management	Name	Value
	Author	Frederick
	Create Date Time	Nov 23, 2015 4:10:45 PM
	Last Modified	Feb 16, 2016 3:19:06 PM

Children

Name	Description
 View Slides	When applicable to any particular article , the user may watch a slide show or video that relates to the process of building any particular model or code. In this case of usage of the system , the user watches a series of pages or a video - about the topic.
 View Articles	This specific instance of the use of the system - is about articles . How does the user get to articles , filter them by key words, select an article and then possibly view model documentation that may accompany the article - and also view a slide show that shows a step-by-step creation of the model - and the software that reflects it.
 Browse Applications	Eventually, I will have several web-based applications available for review under this domain. For now, it is only in the vision for this project and will remain on the back burner until more time is de-allocated from other projects...
 Login	Priority is high for this. Already implemented locally, still in process of implementing on the host.

This use case covers the detailed flow of a login scenario
- where the **user** inputs a **user** name and password to gain
access to secure areas of the **system**.