

Use case

gggg

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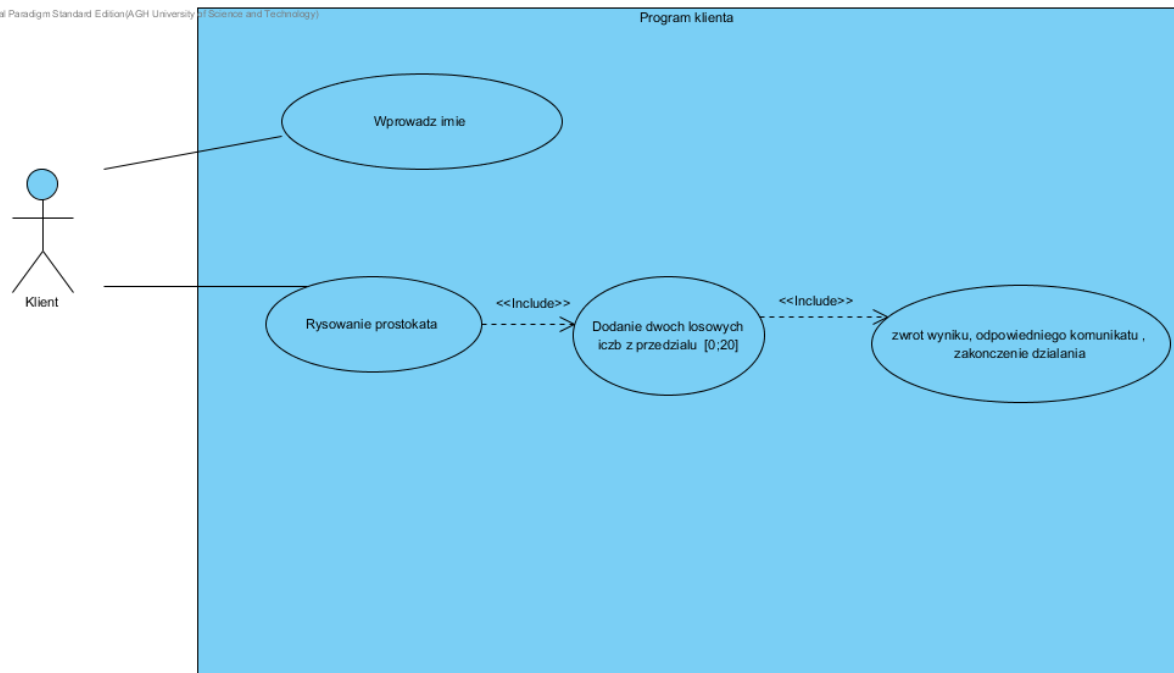
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Use Case Diagram

klient

Visual Paradigm Standard Edition (AGH University of Science and Technology)



Name	Value
Name	klient
Author	gggg
Create Date Time	2015-01-25 14:44:31
Last Modified	2015-01-28 03:57:21

Summary

Name	Documentation
Klient	
Rysowanie prostokata	
Wprowadz imie	
zwrot wyniku, odpowiedniego komunikatu , zakonczenie dzialania	
Dodanie dwóch losowych iczb z przedzialu [0;20]	
Program klienta	



Details



Klient

Name	Value
ID	AC01
Visibility	public

Abstract	false	
Leaf	false	
Root	false	
Business Model	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 14:44:51
	Last Modified	2015-01-27 23:00:08

Relationships

Unnamed Association		
To	Name	Value
	End Model Element	 Rysowanie prostokata
	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	 Rysowanie prostokata
	Project Management	Name
		Value
		Author
		gggg
		Create Date Time
		2015-01-25 16:16:33
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Derived	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:16:33
	Last Modified	2015-01-25 16:21:13
Unnamed Association		




To	Name		Value			
	End Model Element		 Wprowadz imie			
	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		 Wprowadz imie			
	Project Management		Name		Value	
			Author		Mazurion	
			Create Date Time		2015-01-27 22:50:33	
Abstract	false					
Leaf	false					
Visibility	Unspecified					
Derived	false					
Project Management	Name			Value		
	Author			Mazurion		
	Create Date Time			2015-01-27 22:50:33		
	Last Modified			2015-01-27 23:00:08		

Rysowanie prostokata

Name	Value
ID	UC10
Abstract	false
Leaf	false
Root	false
Stereotypes	UseCase
Business Model	false
Status	Identify
Rank	Unspecified

Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:16:09
	Last Modified	2015-01-28 03:15:09



Relationships

Unnamed Include		
To	 Dodanie dwóch losowych iczb z przedzialu [0;20]	
Visibility	Unspecified	
Stereotypes	Include	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:16:45
	Last Modified	2015-01-25 16:21:13
Unnamed Association		
From	Name	Value
	End Model Element	 Klient
	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	 Klient
	Project Management	Name
		Author
		Create Date Time
Abstract	false	
Leaf	false	
Visibility	Unspecified	
Derived	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:16:33
	Last Modified	2015-01-25 16:21:13

Wprowadz imie

Name	Value	
ID	UC09	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Business Model	false	
Status	Identify	
Rank	Unspecified	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:13:08
	Last Modified	2015-01-28 03:15:09

Relationships


Unnamed Association			
From	Name	Value	
	End Model Element	 Klient	
	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	 Klient	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-27 22:50:33
Abstract	false		
Leaf	false		
Visibility	Unspecified		
Derived	false		

Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-27 22:50:33
	Last Modified	2015-01-27 23:00:08

zwrot wyniku, odpowiedniego komunikatu , zakonczenie dzialania

Name	Value	
ID	UC04	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Business Model	false	
Status	Identify	
Rank	Unspecified	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 14:54:02
	Last Modified	2015-01-28 03:15:09

Relationships



Unnamed Include		
From	 Dodanie dwóch losowych iczb z przedziału [0;20]	
Visibility	Unspecified	
Stereotypes	Include	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 14:54:39
	Last Modified	2015-01-25 14:55:52

Dodanie dwóch losowych iczb z przedziału [0;20]

Name	Value
ID	UC03
Abstract	false
Leaf	false
Root	false
Stereotypes	UseCase
Business Model	false

Status	Identify	
Rank	Unspecified	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 14:50:05
	Last Modified	2015-01-28 03:15:09





Relationships

Unnamed Include		
To	 zwrot wyniku, odpowiedniego komunikatu , zakonczenie dzialania	
Visibility	Unspecified	
Stereotypes	Include	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 14:54:39
	Last Modified	2015-01-25 14:55:52
Unnamed Include		
From	 Rysowanie prostokata	
Visibility	Unspecified	
Stereotypes	Include	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:16:45
	Last Modified	2015-01-25 16:21:13

Program klienta

Name	Value	
Abstract	false	
Leaf	false	
Root	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 14:45:10
	Last Modified	2015-01-27 23:00:08

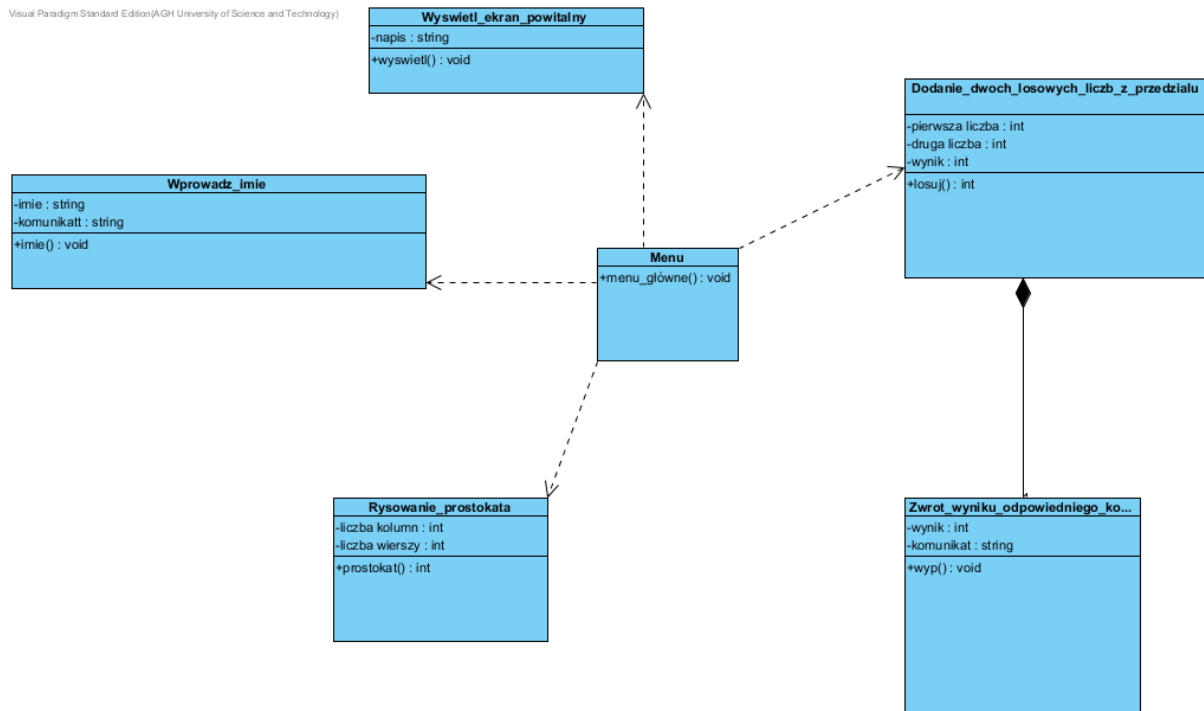
Children

Name	Documentation
 Dodanie dwóch losowych iczb z przedziału [0;20]	
 zwrot wyniku, odpowiedniego komunikatu , zakończenie działania	
 Wprowadz imie	
 Rysowanie prostokata	

Class Diagram







klient - diagram klas

Visual Paradigm Standard Edition (AGH University of Science and Technology)



Name	Value
Name	klient - diagram klas
Author	gggg
Create Date Time	2015-01-25 15:29:04
Last Modified	2015-01-28 03:36:33

Summary

Name	Documentation
 Wyświetl_ekran_powitalny	
 Dodanie_dwoch_losowych_liczb_z_przedzialu	
 Wprowadz_imie	
 Menu	
 Rysowanie_prostokata	
 Zwrot_wyniku_odpowiedniego_komunikatu	


Details

Wyświetl_ekran_powitalny

Name	Value
Active	false
Business Key Mutable	true

Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:17:56
	Last Modified	2015-01-26 14:52:50


Attributes

private napis : string			
Type	 string		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		
Project Management	Name	Value	
	Author	gggg	
	Create Date Time	2015-01-25 16:18:23	
	Last Modified	2015-01-25 16:21:13	

Operations

public wyswietl () : void		
Leaf	false	
Ordered	false	
Unique	true	
Query	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:18:33
	Last Modified	2015-01-25 18:18:39

Relationships


Unnamed Dependency	
From	 Menu
Visibility	Unspecified


Project Management	Name	Value
	Author	student
	Create Date Time	2015-01-26 14:46:49
	Last Modified	2015-01-26 14:52:50

Dodanie_dwoch_losowych_liczb_z_przedzialu


Name	Value	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:21:10
	Last Modified	2015-01-26 14:52:50

Attributes

private pierwsza liczba : int			
Type	 int		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		
Project Management	Name	Value	
	Author	gggg	
	Create Date Time	2015-01-25 16:21:20	
	Last Modified	2015-01-25 16:31:38	

private druga liczba : int			
Type	 int		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		

Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		
Project Management	Name	Value	
	Author	gggg	
	Create Date Time	2015-01-25 16:21:30	
	Last Modified	2015-01-25 16:31:38	




private wynik : int			
Type	 int		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		
Project Management	Name	Value	
	Author	gggg	
	Create Date Time	2015-01-25 16:21:35	
	Last Modified	2015-01-26 14:52:50	

Operations

public losuj () : int		
Leaf	false	
Ordered	false	
Unique	true	
Query	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:21:46
	Last Modified	2015-01-25 18:18:39

Relationships

Unnamed Association


To	Name		Value			
	End Model Element		 Zwrot_wyniku_odpowiedniego_komunikatu			
	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		 Zwrot_wyniku_odpowiedniego_komunikatu			
	Project Management		Name		Value	
			Author		student	
			Create Date Time		2015-01-26 14:51:00	
Abstract	false					
Leaf	false					
Visibility	Unspecified					
Derived	false					
Project Management	Name		Value			
	Author		student			
	Create Date Time		2015-01-26 14:51:00			
	Last Modified		2015-01-26 14:52:50			
Unnamed Dependency						
From	 Menu					
Visibility	Unspecified					
Project Management	Name		Value			
	Author		student			
	Create Date Time		2015-01-26 14:47:20			
	Last Modified		2015-01-26 14:52:50			


Wprowadz_imie

Name	Value
Active	false
Business Key Mutable	true
Business Model	false
Visibility	public

Leaf	false	
Root	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:18:52
	Last Modified	2015-01-27 23:41:01

Attributes

private imie : string			
Type	 string		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		
Project Management	Name	Value	
	Author	gggg	
	Create Date Time	2015-01-25 16:19:12	
	Last Modified	2015-01-25 16:21:13	


private komunikatt : string			
Type	 string		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		
Project Management	Name	Value	
	Author	gggg	
	Create Date Time	2015-01-25 16:25:40	
	Last Modified	2015-01-25 16:31:38	

Operations

public imie () : void			
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Leaf	false	
Ordered	false	
Unique	true	
Query	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:19:23
	Last Modified	2015-01-25 18:18:39

Relationships

Unnamed Dependency		
From	 Menu	
Visibility	Unspecified	
Project Management	Name	Value
	Author	student
	Create Date Time	2015-01-26 14:44:48
	Last Modified	2015-01-26 14:46:19


Menu


Name	Value	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Project Management	Name	Value
	Author	student
	Create Date Time	2015-01-26 14:36:32
	Last Modified	2015-01-28 03:15:09


Operations


public menu_g#ówne () : void		
Leaf	false	
Ordered	false	
Unique	true	
Query	false	
Project Management	Name	Value
	Author	student
	Create Date Time	2015-01-26 14:41:21
	Last Modified	2015-01-28 03:15:09

Relationships

Unnamed Dependency		
To	 Wprowadz_imie	
Visibility	Unspecified	
Project Management	Name	Value
	Author	student
	Create Date Time	2015-01-26 14:44:48
	Last Modified	2015-01-26 14:46:19

Unnamed Dependency		
To	 Wyświetl_ekran_powitalny	
Visibility	Unspecified	
Project Management	Name	Value
	Author	student
	Create Date Time	2015-01-26 14:46:49
	Last Modified	2015-01-26 14:52:50

Unnamed Dependency		
To	 Dodanie_dwoch_losowych_liczb_z_przedzialu	
Visibility	Unspecified	
Project Management	Name	Value
	Author	student
	Create Date Time	2015-01-26 14:47:20
	Last Modified	2015-01-26 14:52:50


Unnamed Dependency		
To	 Rysowanie_prostokata	
Visibility	Unspecified	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-27 23:36:00
	Last Modified	2015-01-27 23:41:01


Rysowanie_prostokata

Name	Value
Active	false
Business Key Mutable	true
Business Model	false
Visibility	public
Leaf	false
Root	false

Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:19:54
	Last Modified	2015-01-27 23:41:01

Attributes

private liczba kolumn : int			
Type	 int		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		
Project Management	Name	Value	
	Author	gggg	
	Create Date Time	2015-01-25 16:20:04	
	Last Modified	2015-01-25 16:21:13	


private liczba wierszy : int			
Type	 int		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		
Project Management	Name	Value	
	Author	gggg	
	Create Date Time	2015-01-25 16:20:11	
	Last Modified	2015-01-26 14:46:19	

Operations

public prostokat () : int	
Leaf	false
Ordered	false

Unique	true	
Query	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:20:28
	Last Modified	2015-01-25 18:18:39


Relationships

Unnamed Dependency		
From	 Menu	
Visibility	Unspecified	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-27 23:36:00
	Last Modified	2015-01-27 23:41:01


Zwrot_wyniku_odpowiedniego_komunikatu

Name	Value	
Active	false	
Business Key Mutable	true	
Business Model	false	
Visibility	public	
Leaf	false	
Root	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:22:15
	Last Modified	2015-01-27 23:41:01

Attributes

private wynik : int			
Type	 int		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		

Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:22:48
	Last Modified	2015-01-25 16:31:38



private komunikat : string			
Type	 string		
Allow Empty Name	false		
Getter	false	Setter	false
Derived	false		
Multiplicity	Unspecified		
Aggregation	None		
Derived Union	false		
Read Only	false		
Is ID	false		
Leaf	false		
Project Management	Name	Value	
	Author	gggg	
	Create Date Time	2015-01-25 16:23:15	
	Last Modified	2015-01-25 16:31:38	

Operations

public wyp () : void		
Leaf	false	
Ordered	false	
Unique	true	
Query	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:23:34
	Last Modified	2015-01-25 18:18:39

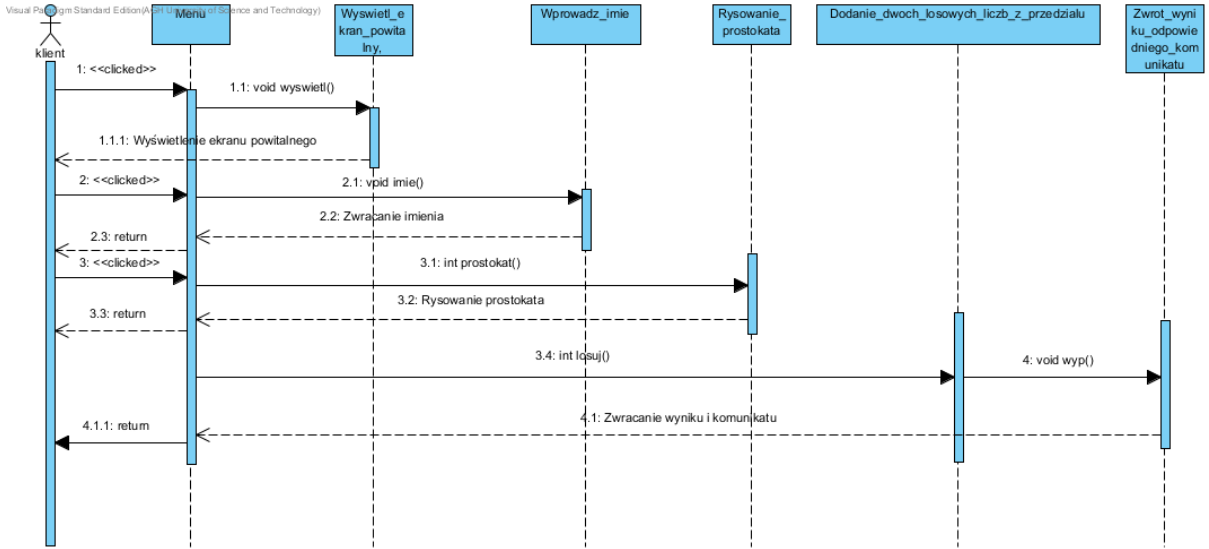
Relationships

Unnamed Association

From	Name		Value		
	End Model Element	 Dodanie_dwoch_losowych_liczb_z_przedzialu			
	Provide Property Getter Method	false			
	Provide Property Setter Method	false			
	Multiplicity	Unspecified			
	Visibility	Unspecified			
	Aggregation Kind	Composited			
	Navigable	Navigable			
	Derived	false			
	Derived Union	false			
	Read Only	false			
	Static	false			
	Leaf	false			
	Type	 Dodanie_dwoch_losowych_liczb_z_przedzialu			
	Project Management	Name		Value	
		Author		student	
		Create Date Time		2015-01-26 14:51:00	
Abstract	false				
Leaf	false				
Visibility	Unspecified				
Derived	false				
Project Management	Name		Value		
	Author		student		
	Create Date Time		2015-01-26 14:51:00		
	Last Modified		2015-01-26 14:52:50		

Sequence Diagram

klient - diagram sekwencji



Name	Value
Name	klient - diagram sekwencji
Author	gggg
Create Date Time	2015-01-25 16:32:59
Last Modified	2015-01-28 03:36:33
Show Parameter Types In Message Operation Signature	true

Summary

Name	Documentation
klient	
Menu	
Wyświetl_ekran_powitalny,	
Wprowadz_imie	
Rysowanie_prostokata	
Dodanie_dwoch_losowych_liczb_z_przedzialu	
Zwrot_wyniku_odpowiedniego_komunikatu	



Details

klient


Name	Value
Visibility	public
Abstract	false
Leaf	false
Root	false


Active	false	
Business Model	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:35:22
	Last Modified	2015-01-28 02:03:19

Relationships


<<clicked>> : Message			
To	Name	Value	
	End Model Element	 Menu	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:20:21
Type	Message		
Sequence Number	1		
Asynchronous	false		
Project Management	Name	Value	
	Author	Mazurion	
	Create Date Time	2015-01-28 01:20:21	
	Last Modified	2015-01-28 01:43:15	
<<clicked>> : Message			
To	Name	Value	
	End Model Element	 Menu	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:57:45
Return Message	→ return		
Type	Message		
Sequence Number	2		
Asynchronous	false		
Project Management	Name	Value	
	Author	Mazurion	
	Create Date Time	2015-01-28 01:57:45	
	Last Modified	2015-01-28 02:03:19	


<<clicked>> : Message			
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To	Name	Value	
	End Model Element	 Menu	
	Project Management	Name	Value
		Author	Mazurion
Create Date Time		2015-01-28 02:02:51	
Return Message	→ return		
Type	Message		
Sequence Number	3		
Asynchronous	false		
Project Management	Name		Value
	Author		Mazurion
	Create Date Time		2015-01-28 02:02:51
	Last Modified		2015-01-28 02:03:19

return : Message			
From	Name	Value	
	End Model Element	 Menu	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 02:02:06
Type	Message		
Sequence Number	2.3		
Action Type	Name	Value	
	Name	Return	
	Iteration	false	
	Asynchronous	false	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 02:02:22
Asynchronous	false		
Project Management	Name	Value	
	Author	Mazurion	
	Create Date Time	2015-01-28 02:02:06	
	Last Modified	2015-01-28 02:03:19	
return : Message			
From	Name	Value	
	End Model Element	 Menu	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:27:32
Type	Message		

Sequence Number	3.3		
Action Type	Name	Value	
	Name	Return	
	Iteration	false	
	Asynchronous	false	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:27:32
Asynchronous	false		
Project Management	Name	Value	
	Author	Mazurion	
	Create Date Time	2015-01-28 01:27:32	
	Last Modified	2015-01-28 02:12:25	

return : Message			
From	Name	Value	
	End Model Element	 Menu	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:29:45
Type	Message		
Sequence Number	4.1.1		
Asynchronous	false		
Project Management	Name	Value	
	Author	Mazurion	
	Create Date Time	2015-01-28 01:29:45	
	Last Modified	2015-01-28 02:12:25	

Wyświetlenie ekranu powitalnego : Message					
From	Name		Value		
	End Model Element		 Wyświetl_ekran_powitalny,		
	Project Management	Name		Value	
		Author		Mazurion	
		Create Date Time		2015-01-28 01:26:18	
Type	Message				
Sequence Number	1.1.1				


Action Type	Name		Value		
	Name		Return		
	Iteration		false		
	Asynchronous		false		
	Project Management	Name		Value	
		Author		Mazurion	
		Create Date Time		2015-01-28 01:26:18	
Asynchronous	false				
Project Management	Name		Value		
	Author		Mazurion		
	Create Date Time		2015-01-28 01:26:18		
	Last Modified		2015-01-28 01:53:15		





Menu


Name	Value	
Multiplicity	Unspecified	
Active	false	
Stopped	false	
Multi Object	false	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-27 23:36:50
	Last Modified	2015-01-28 02:03:19


Relationships


return : Message			
To	Name	Value	
	End Model Element	 klient	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:29:45
Type	Message		
Sequence Number	4.1.1		
Asynchronous	false		
Project Management	Name	Value	
	Author	Mazurion	
	Create Date Time	2015-01-28 01:29:45	
	Last Modified	2015-01-28 02:12:25	
void imie() : Message			


To	Name		Value	
	End Model Element		 Wprowadz_imie	
	Project Management		Name	Value
			Author	Mazurion
			Create Date Time	2015-01-28 01:21:25
Return Message	→ Zwracanie imienia			
Type	Message			
Sequence Number	2.1			
Asynchronous	false			
Project Management	Name		Value	
	Author		Mazurion	
	Create Date Time		2015-01-28 01:21:25	
	Last Modified		2015-01-28 02:03:19	


void wyswietl() : Message				
To	Name		Value	
	End Model Element		 Wyswietl_ekran_powitalny,	
	Project Management		Name	Value
			Author	Mazurion
			Create Date Time	2015-01-28 01:20:50
Type	Message			
Sequence Number	1.1			
Asynchronous	false			
Project Management	Name		Value	
	Author		Mazurion	
	Create Date Time		2015-01-28 01:20:50	
	Last Modified		2015-01-28 01:53:15	


int losuj() : Message				
To	Name		Value	
	End Model Element		 Dodanie_dwoch_losowych_liczb_z_przedzialu	
	Project Management		Name	Value
			Author	Mazurion
			Create Date Time	2015-01-28 01:23:57
Type	Message			
Sequence Number	3.4			
Asynchronous	false			
Project Management	Name		Value	
	Author		Mazurion	
	Create Date Time		2015-01-28 01:23:57	
	Last Modified		2015-01-28 02:12:25	

return : Message			
To	Name		Value
	End Model Element		 klient
	Project Management	Name	
		Value	
		Author	Mazurion
		Create Date Time	2015-01-28 01:27:32
Type	Message		
Sequence Number	3.3		
Action Type	Name		Value
	Name		Return
	Iteration		false
	Asynchronous		false
	Project Management	Name	
		Value	
		Author	Mazurion
		Create Date Time	2015-01-28 01:27:32
Asynchronous	false		
Project Management	Name		Value
	Author		Mazurion
	Create Date Time		2015-01-28 01:27:32
	Last Modified		2015-01-28 02:12:25


return : Message			
To	Name		Value
	End Model Element		 klient
	Project Management	Name	
		Value	
		Author	Mazurion
		Create Date Time	2015-01-28 02:02:06
Type	Message		
Sequence Number	2.3		
Action Type	Name		Value
	Name		Return
	Iteration		false
	Asynchronous		false
	Project Management	Name	
		Value	
		Author	Mazurion
		Create Date Time	2015-01-28 02:02:22
Asynchronous	false		
Project Management	Name		Value
	Author		Mazurion
	Create Date Time		2015-01-28 02:02:06
	Last Modified		2015-01-28 02:03:19


int prostokat() : Message					
To	Name		Value		
	End Model Element		 Rysowanie_prostokata		
	Project Management	Name		Value	
		Author		Mazurion	
		Create Date Time		2015-01-28 01:21:42	
Return Message	→ Rysowanie prostokata				
Type	Message				
Sequence Number	3.1				
Asynchronous	false				
Project Management	Name		Value		
	Author		Mazurion		
	Create Date Time		2015-01-28 01:21:42		
	Last Modified		2015-01-28 02:12:25		

Zwracanie imienia : Message			
From	Name	Value	
	End Model Element	 Wprowadz_imie	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:26:47
Type	Message		
Sequence Number	2.2		
Action Type	Name	Value	
	Name	Return	
	Iteration	false	
	Asynchronous	false	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:26:47
Asynchronous	false		
Project Management	Name	Value	
	Author	Mazurion	
	Create Date Time	2015-01-28 01:26:47	
	Last Modified	2015-01-28 02:03:19	


<<clicked>> : Message			
From	Name	Value	
	End Model Element	 klient	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:20:21


Type	Message	
Sequence Number	1	
Asynchronous	false	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 01:20:21
	Last Modified	2015-01-28 01:43:15

<<clicked>> : Message			
From	Name	Value	
	End Model Element	 klient	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:57:45
Return Message	→ return		
Type	Message		
Sequence Number	2		
Asynchronous	false		
Project Management	Name	Value	
	Author	Mazurion	
	Create Date Time	2015-01-28 01:57:45	
	Last Modified	2015-01-28 02:03:19	

Zwracanie wyniku i komunikatu : Message			
From	Name	Value	
	End Model Element	 Zwrot_wyniku_odpowiedniego_komunikatu	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:25:15
Type	Message		
Sequence Number	4.1		
Action Type	Name	Value	
	Name	Return	
	Iteration	false	
	Asynchronous	false	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:25:15
Asynchronous	false		

Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 01:25:15
	Last Modified	2015-01-28 02:12:25



<<clicked>> : Message			
From	Name	Value	
	End Model Element	 klient	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 02:02:51
Return Message	→ return		
Type	Message		
Sequence Number	3		
Asynchronous	false		
Project Management	Name	Value	
	Author	Mazurion	
	Create Date Time	2015-01-28 02:02:51	
	Last Modified	2015-01-28 02:03:19	

Rysowanie prostokata : Message			
From	Name	Value	
	End Model Element	 Rysowanie_prostokata	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:27:23
Type	Message		
Sequence Number	3.2		
Action Type	Name	Value	
	Name	Return	
	Iteration	false	
	Asynchronous	false	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:27:23
Asynchronous	false		
Project Management	Name	Value	
	Author	Mazurion	
	Create Date Time	2015-01-28 01:27:23	
	Last Modified	2015-01-28 02:12:25	

Wyświetl ekran powitalny,

Name	Value	
Multiplicity	Unspecified	
Active	false	
Stopped	false	
Multi Object	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:39:07
	Last Modified	2015-01-28 01:32:34

Relationships


Wyświetlenie ekranu powitalnego : Message			
To	Name	Value	
	End Model Element	 klient	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:26:18
Type	Message		
Sequence Number	1.1.1		
Action Type	Name	Value	
	Name	Return	
	Iteration	false	
	Asynchronous	false	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:26:18
Asynchronous	false		
Project Management	Name		Value
	Author		Mazurion
	Create Date Time		2015-01-28 01:26:18
	Last Modified		2015-01-28 01:53:15
void wyswietl() : Message			
From	Name	Value	
	End Model Element	 Menu	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:20:50
Type	Message		
Sequence Number	1.1		


Asynchronous	false	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 01:20:50
	Last Modified	2015-01-28 01:53:15

Wprowadz_imie

Name	Value	
Multiplicity	Unspecified	
Active	false	
Stopped	false	
Multi Object	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:42:52
	Last Modified	2015-01-28 01:32:34

Relationships


Zwracanie imienia : Message			
To	Name	Value	
	End Model Element	 Menu	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:26:47
Type	Message		
Sequence Number	2.2		
Action Type	Name	Value	
	Name	Return	
	Iteration	false	
	Asynchronous	false	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:26:47
Asynchronous	false		
Project Management	Name	Value	
	Author	Mazurion	
	Create Date Time	2015-01-28 01:26:47	
	Last Modified	2015-01-28 02:03:19	
void imie() : Message			


From	Name	Value	
	End Model Element	 Menu	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:21:25
Return Message	→ Zwracanie imienia		
Type	Message		
Sequence Number	2.1		
Asynchronous	false		
Project Management	Name	Value	
	Author	Mazurion	
	Create Date Time	2015-01-28 01:21:25	
	Last Modified	2015-01-28 02:03:19	

Rysowanie_prostokata

Name	Value	
Multiplicity	Unspecified	
Active	false	
Stopped	false	
Multi Object	false	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:46:10
	Last Modified	2015-01-28 01:32:34

Relationships


Rysowanie prostokata : Message			
To	Name	Value	
	End Model Element	 Menu	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:27:23
Type	Message		
Sequence Number	3.2		
Action Type	Name	Value	
	Name	Return	
	Iteration	false	
	Asynchronous	false	
	Project Management	Name	Value
		Author	Mazurion
		Create Date Time	2015-01-28 01:27:23


Asynchronous	false			
Project Management	Name		Value	
	Author		Mazurion	
	Create Date Time		2015-01-28 01:27:23	
	Last Modified		2015-01-28 02:12:25	
int prostokat() : Message				
From	Name		Value	
	End Model Element		 Menu	
	Project Management	Name		Value
		Author		Mazurion
		Create Date Time		2015-01-28 01:21:42
Return Message	→ Rysowanie prostokata			
Type	Message			
Sequence Number	3.1			
Asynchronous	false			
Project Management	Name		Value	
	Author		Mazurion	
	Create Date Time		2015-01-28 01:21:42	
	Last Modified		2015-01-28 02:12:25	

Dodanie_dwoch_losowych_liczb_z_przedzialu

Name	Value	
Multiplicity	Unspecified	
Active	false	
Stopped	false	
Multi Object	false	
Project Management	Name	
	Value	
	Author	
	gggg	
	Create Date Time	
	2015-01-25 16:46:36	
	Last Modified	
	2015-01-28 01:32:34	

Relationships


void wyp() : Message			
To	Name		Value
	End Model Element		 Zwrot_wyniku_odpowiedniego_komunikatu
	Project Management	Name	
		Value	
		Author	
			Mazurion
			Create Date Time
			2015-01-28 01:24:12
Type	Message		
Sequence Number	4		
Asynchronous	false		


Project Management	Name		Value	
	Author		Mazurion	
	Create Date Time		2015-01-28 01:24:12	
	Last Modified		2015-01-28 02:12:25	
int losuj() : Message				
From	Name		Value	
	End Model Element		 Menu	
	Project Management	Name		Value
		Author		Mazurion
		Create Date Time		2015-01-28 01:23:57
Type	Message			
Sequence Number	3.4			
Asynchronous	false			
Project Management	Name		Value	
	Author		Mazurion	
	Create Date Time		2015-01-28 01:23:57	
	Last Modified		2015-01-28 02:12:25	

Zwrot_wyniku_odpowiedniego_komunikatu

Name	Value		
Multiplicity	Unspecified		
Active	false		
Stopped	false		
Multi Object	false		
Project Management	Name		Value
	Author		gggg
	Create Date Time		2015-01-25 16:49:16
	Last Modified		2015-01-28 01:32:34

Relationships

Zwracanie wyniku i komunikatu : Message					
To	Name		Value		
	End Model Element		 Menu		
	Project Management	Name		Value	
		Author		Mazurion	
		Create Date Time		2015-01-28 01:25:15	
Type	Message				
Sequence Number	4.1				

Action Type	Name		Value		
	Name		Return		
	Iteration		false		
	Asynchronous		false		
	Project Management	Name		Value	
		Author		Mazurion	
		Create Date Time		2015-01-28 01:25:15	
Asynchronous	false				
Project Management	Name		Value		
	Author		Mazurion		
	Create Date Time		2015-01-28 01:25:15		
	Last Modified		2015-01-28 02:12:25		
void wyp() : Message					
From	Name		Value		
	End Model Element		 Dodanie_dwoch_losowych_liczb_z_przedzialu		
	Project Management	Name		Value	
		Author		Mazurion	
		Create Date Time		2015-01-28 01:24:12	
Type	Message				
Sequence Number	4				
Asynchronous	false				
Project Management	Name		Value		
	Author		Mazurion		
	Create Date Time		2015-01-28 01:24:12		
	Last Modified		2015-01-28 02:12:25		

CRC Card Diagram

CRC Card Diagram2

Visual Paradigm Standard Edition (AGI University of Science and Technology)

Wyswietl_ekran_powitalny	
Super Classes:	
Sub Classes:	
Description: Wyświetlenie ekranu powitalnego	
Attributes:	
Name	Description
napis	Wyświetlenie napisu
Responsibilities:	

Wprowadz_imie	
Super Classes:	
Sub Classes:	
Description: Wprowadzenie imienia , wyświetlenie konkretnego powitania	
Attributes:	
Name	Description
imie	Imie uzytkownika
Responsibilities:	

Rysowanie_prostokata	
Super Classes:	
Sub Classes:	
Description: Rysowanie prostokata o podanych wymiarach	
Attributes:	
Name	Description
liczba kolumn	Informacja o liczbie kolumn
liczba wierszy	Informacja o liczbie wierszy
Responsibilities:	







Dodanie_dwoch_losowych_liczb_z_przedzialu	
Super Classes:	
Sub Classes:	
Description: Dodawanie dwóch losowych liczb z przedziału [0;20]	
Attributes:	
Name	Description
pierwsza liczba	pierwszy czynnik sumy
druga liczba	drugi czynnik sumy
wynik	wynik sumy
Responsibilities:	

Zwrot_wyniku_odpowiedniego_komunikatu	
Super Classes:	
Sub Classes:	
Description: Zwrot wyniku sumy , wyświetlenie odpowiedniego komunikatu , zakończenie pracy programu	
Attributes:	
Name	Description
wynik	wynik sumy
komunikat	komunikat
Responsibilities:	

Menu	
Super Classes:	
Sub Classes:	
Description:	
Attributes:	
Name	Description
Responsibilities:	
Name	Collaborator
Responsibilities:	

Name	Value
Name	CRC Card Diagram2
Author	gggg
Create Date Time	2015-01-25 15:19:11
Last Modified	2015-01-28 03:57:33

Summary

Name	Documentation
 Wyswietl_ekran_powitalny	Wyświetlenie ekranu powitalnego
 Wprowadz_imie	Wprowadzenie imienia , wyświetlenie konkretnego powitania
 Rysowanie_prostokata	Rysowanie prostokata o podanych wymiarach
 Dodanie_dwoch_losowych_liczb_z_przedzialu	Dodawanie dwóch losowych liczb z przedziału [0;20]
 Menu	
 Zwrot_wyniku_odpowiedniego_komunikatu	Zwrot wyniku sumy , wyświetlenie odpowiedniego komunikatu , zakończenie pracy programu

Details

Wyswietl_ekran_powitalny

Name	Value
Documentation	Wyświetlenie ekranu powitalnego

Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 17:56:21
	Last Modified	2015-01-28 03:27:41

Attributes

Name	Description
napis	Wyswietlenie napisu

Responsibilities

Name	Collaborator
Wprowadz imie , wyswietlenie napisu	Wyswietlanie napisu

Wprowadz_imie

Name	Value	
Documentation	Wprowadzenie imienia , wyswietlenie konkretnego powitania	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 17:51:53
	Last Modified	2015-01-28 03:27:41

Attributes

Name	Description
imie	Imie uzytkownika

Responsibilities

Name	Collaborator
Wyswietl ekran powitalny,	Wyswietlanie napisu

Rysowanie_prostokata

Name	Value	
Documentation	Rysowanie prostokata o podanych wymiarach	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 17:59:55
	Last Modified	2015-01-28 03:27:41

Attributes

Name	Description
liczba kolumn	Informacja o liczbie kolumn
liczba wierszy	Informacja o liczbie wierszy

Responsibilities

Name	Collaborator
Dodanie dwóch losowych iczb z przedziału [0;20]	liczenie sumy

Dodanie_dwoch_losowych_liczb_z_przedzialu

Name	Value	
Documentation	Dodawanie dwóch losowych liczb z przedzia#lu [0;20]	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 18:02:05
	Last Modified	2015-01-28 03:27:41

Attributes

Name	Description
pierwsza liczba	pierwszy czynnik sumy
druga liczba	drugi czynnik sumy
wynik	wynik sumy

Responsibilities

Name	Collaborator
zwrot wyniku, odpowiedniego komunikatu , zakonczenie dzialania	Udostepnienie wyniku

Menu

Name	Value	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 01:05:18
	Last Modified	2015-01-28 01:11:02

Zwrot_wyniku_odpowiedniego_komunikatu

Name	Value	
Documentation	Zwrot wyniku sumy , wyswietlenie odpowiedniego komunikatu , zakonczenie pracy programu	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 18:04:46
	Last Modified	2015-01-28 01:11:02

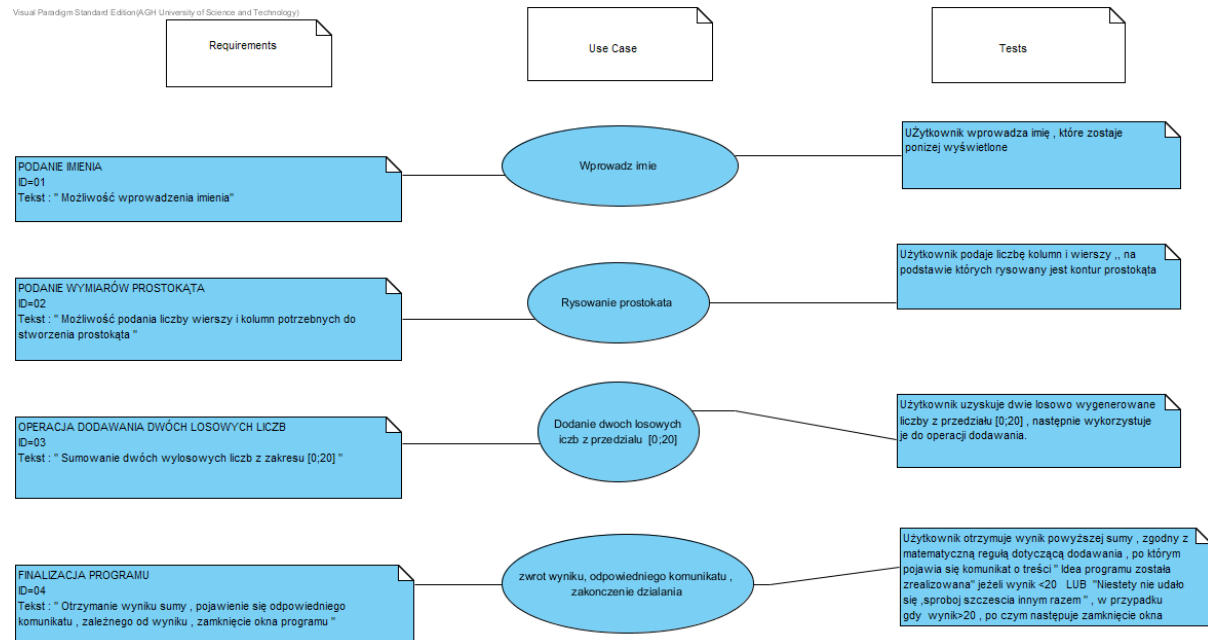
Attributes

Name	Description
wynik	wynik sumy
komunikat	komunikat

Requirement Diagram

klient - diagram wymaga#







Visual Paradigm Standard Edition (AGH University of Science and Technology)



Name	Value
Name	klient - diagram wymaga#
Author	gggg
Create Date Time	2015-01-25 17:31:50
Last Modified	2015-01-28 03:36:33

Summary

Name	Documentation
Wprowadz imię	
Rysowanie prostokata	
Dodanie dwóch losowych iczb z przedziału [0;20]	
zwrot wyniku, odpowiedniego komunikatu , zakończenie działania	
N/A	Use Case
N/A	Tests
N/A	Requirements
N/A	U#ytkownik wprowadza imi# , które zostaje ponizej wy#wietlone
N/A	PODANIE IMIENIA



	ID=01 Tekst : " Mo#liwo## wprowadzenia imienia"
 N/A	U#ytownik podaje liczb# kolumn i wierszy ,, na podstawie których rysowany jest kontur prostok#ta
 N/A	PODANIE WYMIARÓW PROSTOK#TA ID=02 Tekst : " Mo#liwo## podania liczby wierszy i kolumn potrzebnych do stworzenia prostok#ta "
 N/A	U#ytownik uzyskuje dwie losowo wygenerowane liczby z przedzia#u [0;20] , nast#pnie wykorzystuje je do operacji dodawania.
 N/A	OPERACJA DODAWANIA DWÓCH LOSOWYCH LICZB ID=03 Tekst : " Sumowanie dwóch wylosowych liczb z zakresu [0;20] "
 N/A	U#ytownik otrzymuje wynik powy#szej sumy , zgodny z matematyczn# regu## dotycz#c# dodawania , po którym pojawia si# komunikat o tre#ci " Idea programu zosta#a zrealizowana" je#eli wynik <20 LUB "Niestety nie uda#o si# ,sproboj szczescia innym razem " , w przypadku gdy wynik>20 , po czym nast#puje zamkni#cie okna
 N/A	FINALIZACJA PROGRAMU ID=04 Tekst : " Otrzymanie wyniku sumy , pojawienie si# odpowiedniego komunikatu , zale#nego od wyniku , zamkni#cie okna programu "

Details

Wprowadz imie

Name	Value	
ID	UC09	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Business Model	false	
Status	Identify	
Rank	Unspecified	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:13:08
	Last Modified	2015-01-28 03:15:09

Relationships

Unnamed Generic Connector		
To	 N/A	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 03:07:41
	Last Modified	2015-01-28 03:15:09
Unnamed Generic Connector		
From	 N/A	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 03:09:33
	Last Modified	2015-01-28 03:15:09

 N/A


Name	Value	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 02:12:03
	Last Modified	2015-01-28 02:12:25

Rysowanie prostokata

Name	Value	
ID	UC10	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Business Model	false	
Status	Identify	
Rank	Unspecified	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 16:16:09
	Last Modified	2015-01-28 03:15:09

Relationships



Unnamed Generic Connector		
To	 N/A	

Project Management	Name		Value
	Author		Mazurion
	Create Date Time		2015-01-28 03:08:09
	Last Modified		2015-01-28 03:15:09
Unnamed Generic Connector			
From	 N/A		
Project Management	Name		Value
	Author		Mazurion
	Create Date Time		2015-01-28 03:07:53
	Last Modified		2015-01-28 03:15:09

Dodanie dwóch losowych iczb z przedziału [0;20]

Name		Value	
ID		UC03	
Abstract		false	
Leaf		false	
Root		false	
Stereotypes		UseCase	
Business Model		false	
Status		Identify	
Rank		Unspecified	
Project Management	Name		Value
	Author		gggg
	Create Date Time		2015-01-25 14:50:05
	Last Modified		2015-01-28 03:15:09



Relationships

Unnamed Generic Connector		
From	 N/A	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 03:08:28
	Last Modified	2015-01-28 03:15:09
Unnamed Generic Connector		
From	 N/A	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 03:11:47
	Last Modified	2015-01-28 03:15:09

zwrot wyniku, odpowiedniego komunikatu , zakonczenie dzialania

Name	Value	
ID	UC04	
Abstract	false	
Leaf	false	
Root	false	
Stereotypes	UseCase	
Business Model	false	
Status	Identify	
Rank	Unspecified	
Project Management	Name	Value
	Author	gggg
	Create Date Time	2015-01-25 14:54:02
	Last Modified	2015-01-28 03:15:09

Relationships

Unnamed Generic Connector		
From	 N/A	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 03:10:46
	Last Modified	2015-01-28 03:15:09
Unnamed Generic Connector		
From	 N/A	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 03:11:00
	Last Modified	2015-01-28 03:15:09

 N/A

Name	Value	
Documentation	Use Case	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 02:17:50
	Last Modified	2015-01-28 02:27:09

 N/A

Name	Value	
Documentation	Tests	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 02:19:19
	Last Modified	2015-01-28 02:27:09


 N/A

Name	Value	
Documentation	Requirements	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 02:13:34
	Last Modified	2015-01-28 02:27:09

 N/A

Name	Value	
Documentation	U#ytkownik wprowadza imi# , które zostaje ponizej wy#wietlone	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 02:45:54
	Last Modified	2015-01-28 03:15:09

Relationships


Unnamed Generic Connector		
From	 Wprowadz imie	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 03:07:41
	Last Modified	2015-01-28 03:15:09

 N/A

Name	Value
Documentation	PODANIE IMIENIA ID=01

	Tekst : " Mo#liwo## wprowadzenia imienia"	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 02:13:08
	Last Modified	2015-01-28 03:15:09


Relationships

Unnamed Generic Connector		
To	 Wprowadz imie	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 03:09:33
	Last Modified	2015-01-28 03:15:09

 **N/A**

Name	Value	
Documentation	U#ytkownik podaje liczb# kolumn i wierszy ,, na podstawie których rysowany jest kontur prostok#ta	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 02:49:15
	Last Modified	2015-01-28 03:15:09


Relationships

Unnamed Generic Connector		
From	 Rysowanie prostokata	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 03:08:09
	Last Modified	2015-01-28 03:15:09

 **N/A**

Name	Value	
Documentation	PODANIE WYMIARÓW PROSTOK#TA ID=02 Tekst : " Mo#liwo## podania liczby wierszy i kolumn potrzebnych do stworzenia prostok#ta "	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 02:30:57
	Last Modified	2015-01-28 03:15:09


Relationships

Unnamed Generic Connector		
To	 Rysowanie prostokata	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 03:07:53
	Last Modified	2015-01-28 03:15:09

 N/A

Name	Value	
Documentation	U#ytkownik uzyskuje dwie losowo wygenerowane liczby z przedzia#u [0;20] , nast#pnie wykorzystuje je do operacji dodawania.	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 02:55:16
	Last Modified	2015-01-28 03:15:09


Relationships

Unnamed Generic Connector		
To	 Dodanie dwóch losowych iczb z przedziału [0;20]	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 03:11:47
	Last Modified	2015-01-28 03:15:09

 N/A

Name	Value	
Documentation	OPERACJA DODAWANIA DWÓCH LOSOWYCH LICZB ID=03 Tekst : " Sumowanie dwóch wylosowych liczb z zakresu [0;20] "	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 02:34:00
	Last Modified	2015-01-28 03:15:09

Relationships

Unnamed Generic Connector		
To	 Dodanie dwóch losowych iczb z przedziału [0;20]	

Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 03:08:28
	Last Modified	2015-01-28 03:15:09



Name	Value	
Documentation	Użytkownik otrzymuje wynik powyższej sumy , zgodny z matematycznym regułą dotyczącą dodawania , po którym pojawia się komunikat o treści " Idea programu została zrealizowana" jeżeli wynik <20 LUB "Niestety nie udało się , spróbuj szczęścia innym razem " , w przypadku gdy wynik>20 , po czym następuje zamknięcie okna	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 02:57:00
	Last Modified	2015-01-28 03:15:09

Relationships

Unnamed Generic Connector		
To	zwrot wyniku, odpowiedniego komunikatu , zakończenie działania	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 03:11:00
	Last Modified	2015-01-28 03:15:09



Name	Value	
Documentation	FINALIZACJA PROGRAMU ID=04 Tekst : " Otrzymanie wyniku sumy , pojawienie się odpowiedniego komunikatu , zależnego od wyniku , zamknięcie okna programu "	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 02:39:48
	Last Modified	2015-01-28 03:15:09

Relationships

Unnamed Generic Connector		
To	zwrot wyniku, odpowiedniego komunikatu , zakończenie działania	
Project Management	Name	Value
	Author	Mazurion
	Create Date Time	2015-01-28 03:10:46
	Last Modified	2015-01-28 03:15:09