Class Name:	Thomson Reuter	ID:	Туре:	Journals
	A specific type of journal managed			
Description:	within the system	1	Associated UC:	Journals search and data retrieval
	Provide journal data for search and			
Responsibilities	retrieval		Collaborators	Journals, Journals Data
Attributes	Journal name, publisher			
Relationships	Part of Journals			
Generalization (is-a)				
Aggregation (has-a)				
Uses/Dependency	Journals Data			

Class Name:	Scopus	ID:	Type:	Journals
	A specific type of journal managed			
Description:	within the system	2	Associated UC:	Journals search and data retrieval
	Provide journal data for search and			
Responsibilities	retrieval		Collaborators	Journals, Journals Data
Attributes	Journal name, publisher			
Relationships	Part of Journals			
Generalization (is-a)				
Aggregation (has-a)				
Uses/Dependency	Journals Data			

Class Name:	Normal	ID:	Type:	Journals
	Represents regular journals not			
	categorized under Thomson Reuters			
Description:	or Scopus	3	Associated UC:	Journals search and data retrieval
	Provide standard journal data for			
Responsibilities	search and retrieval		Collaborators	Journals, Journals Data
Attributes	Journal name, publisher			
Relationships	Part of Journals			
Generalization (is-a)				
Aggregation (has-a)				
Uses/Dependency	Journals Data			

Class Name:	Journals	ID:	Type:	Research Publications
	Represents the collection of all			
Description:	journals within the system	4	Associated UC:	Journals management and search
	Manage, provide data, and facilitate			Thomson Reuters, Scopus, Normal,
Responsibilities	search for journals		Collaborators	Journals Data
Attributes	List of journals			
	Aggregates Thomson Reuters,			
Relationships	Scopus, and Normal			
Generalization (is-a)				
Aggregation (has-a)	Journals Data			
Uses/Dependency				

Class Name:	Journals Data	ID:		Type:	Data
	Contains detailed data related to				
Description:	journals	5	5	Associated UC:	Data retrieval and management
	Store and provide access to journal-				
Responsibilities	specific data			Collaborators	Journals
Attributes	Journal metadata, articles, authors				
Relationships	Associated with Journals				
Generalization (is-a)					
Aggregation (has-a)					
Uses/Dependency	Journals				

Class Name:	Conference	ID:		Type:	Research Publications
	Represents the collection of all				Conference management and
Description:	conferences within the system	6	5	Associated UC:	search
	Manage, provide data, and facilitate				
Responsibilities	search for conferences			Collaborators	
Attributes	List of conferences, dates, locations				
Relationships	Aggregates Conference Data				
Generalization (is-a)					

Harris Decreased and the second secon		Conference Data		Aggregation (has-a)
Juses/Dependency			\Box	Uses/Dependency

Class Name:	Conference Data	ID:	Туре:	Data
	Contains detailed data related to			
Description:	conferences	7	Associated UC:	Data retrieval and management
	Store and provide access to			
Responsibilities	conference-specific data		Collaborators	Conference
	Conference metadata, papers,			
Attributes	speakers			
Relationships	Associated with Conference			
Generalization (is-a)				
Aggregation (has-a)				
Uses/Dependency	conference			

Class Name:	ResearchPublications	ID:	Туре:	General
Description:	Represents all research publications, including journals and conferences	8	Associated UC:	Management of research publications
	Oversee the publication process and			
Responsibilities	data		Collaborators	Journals, Conferences
Attributes	List of publications			
	Aggregates Journals and			
Relationships	Conferences			
Generalization (is-a)				
Aggregation (has-a)	Journals, Conferences			
Uses/Dependency				

Class Name:	search	ID:	Type:	Functionality
	Enables searching within the system			
Description:	for various publications	9	Associated UC:	Search functionality for publications
	Execute search queries and return			Journals, Conference,
Responsibilities	results		Collaborators	ResearchPublications
Attributes	Search criteria, filters			
Relationships	Search criteria, filters			
	Uses Journals, Conference,			
Generalization (is-a)	ResearchPublications			
Aggregation (has-a)				
	ResearchPublications, Journals,			
Uses/Dependency	Conference			

Class Name:	staff	ID:	Туре:	User
Description:	Represents the academic or administrative staff using the system	10	Associated UC:	Profile management, publication entry, search
	Enter and manage publication			ResearchPublications, search,
Responsibilities	details, use system resources		Collaborators	updateexisting data
Attributes	Staff ID, name, department			
	Interacts with ResearchPublications,			
Relationships	search			
Generalization (is-a)				
Aggregation (has-a)				
Uses/Dependency	login			

Class Name:	student	ID:	Туре:	User
	Represents students using the			
Description:	system for research purposes	11	Associated UC:	Search publications, view details
	Use system to access research			
Responsibilities	publications		Collaborators	ResearchPublications, search
Attributes	Student ID, name, course			
	Interacts with ResearchPublications,			
Relationships	search			
Generalization (is-a)				
Aggregation (has-a)				
Uses/Dependency	login			

Class Name:	login	ID:	Type:	Functionality
	Authentication mechanism for users			User authentication and session
Description:	to access their profiles	12	Associated UC:	management
	Validate user credentials and			
Responsibilities	manage sessions		Collaborators	staff, student, Admin
Attributes	Username, password, role			
Relationships	Initiates user sessions			
Generalization (is-a)				
Aggregation (has-a)				_
Uses/Dependency				

Class Name:	updateexisting data	ID:	Туре:	Functionality
	Allows users, especially admins, to			
	update existing records in the			
Description:	system	13	Associated UC:	Data update and management
	Update and maintain the accuracy of	of		Admin, ResearchPublications,
Responsibilities	publication data		Collaborators	Journals Data, Conference Data
Attributes	Details of the data being updated			
	Modifies data in			
	ResearchPublications, Journals Data	,		
Relationships	Conference Data			
Generalization (is-a)				
Aggregation (has-a)				
Uses/Dependency	Admin Login			

Class Name:	Admin login	ID:	Type:	Functionality
	Specialized login functionality for			Administrator authentication and
Description:	administrators	14	Associated UC:	session management
	Validate admin credentials and			
	provide access to admin			
Responsibilities	functionalities		Collaborators	Admin, updateexisting data
Attributes	Username, password			
Relationships	Initiates admin sessions			
Generalization (is-a)	Generalizes login			
Aggregation (has-a)				
Uses/Dependency	updateexisting data			

Class Name:	Admin	ID:	Type:	User
	Represents administrators who			System management, data update,
Description:	manage the system	15	Associated UC:	user management
	Oversee the system, manage user			updateexisting data, Admin login,
Responsibilities	accounts, update data		Collaborators	ResearchPublications
Attributes	Admin ID, name			
	Uses Admin login, updateexisting			
Relationships	data			
Generalization (is-a)				
Aggregation (has-a)				
Uses/Dependency	Admin Login			

Class Name:	ResearchPublications Details	ID:	Туре:	Data
	Contains the metadata and			
	comprehensive details of research			Detailed view and management of
Description:	publications	16	Associated UC:	research publications
	Store and present detailed			ResearchPublications, Journals,
Responsibilities	information about publications		Collaborators	Conferences
	Publication title, authors, abstract,			
Attributes	publication date			
	Detailed view of			
Relationships	ResearchPublications			
Generalization (is-a)				
Aggregation (has-a)				
Uses/Dependency	ResearchPublications			

Class Name:	system	ID:	Type:	Core
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	The main system that encapsulates			
	all functionalities of the Research			System-wide management and
Description:	Publication Management System	17	Associated UC:	operation
	Facilitate all interactions and			
Responsibilities	functionalities within the system		Collaborators	All other classes
	System settings, user data,			
Attributes	publication data			
	Central entity that integrates all			
Relationships	other classes			
Generalization (is-a)				
Aggregation (has-a)	All other classes			
Uses/Dependency				

Class Name:	webpage	ID:	Туре:	Interface
	Represents the user interface of the			User interaction and display of
Description:	system where users interact	18	Associated UC:	system data
	Display information and provide			system, ResearchPublications,
Responsibilities	interaction interface to users		Collaborators	search
Attributes	UI components, layout, content			
Relationships	Displays system and publication dat	a		
Generalization (is-a)				
Aggregation (has-a)				
Uses/Dependency	system			