UC 03	Enter a lecturer		
Scope	PC with local network at the institute		
System boundary	Hardware, network and server already exist		
Level	Subfunction		
Primary actor	Secretary, administration of the institute		
Stakeholder and interests	Secretary	Reduce effort and use of paper	
	Lecturer	Comfortable overview of own lectures	
	Institute	Electronic administration of lecturers	
Preconditions	User with read and write permission is signed in. The system is ready to capture data sets.		
Guarantee	The client system will not be affected. A consistent state of the database will be guaranteed.		
Case of success	System saves the entered data of a lecturer in the database-		
Trigger	User selects the function "Enter a lecturer"		
Main success scenario	1	User selects the function "Enter a lecturer"	
	2	System shows a window for entering the data	
	3	User enters the data	
	4	User selects the function "Save"	
	5	System saves the data	
	6	System shows a confirmation message	
Extensions	4a	IF the entered data is incomplete THAN the system shows an error message	
	4b	IF the lecturer is already in the database THAN the system shows a selection dialog	
		4b.1	IF the user selects "Replace data", THAN the system overrides the old data (5)
		4b.2	IF the user selects "Edit data", THAN the system switches to Edit a lecturer
		4b.3	IF the user selects "Cancel", THAN the system aborts the process (2)
	5a	IF the server is not available THAN the system shows an error message and tries to create a new connection	
Technology	None		
Associated Requirements	[R101], [R103], [R107], [107.1], [R108], [R401], [R502], [R601], [R602]		

ID	Requirements
	Functional requirements
R101	The system shall provide the user with the ability to enter a lecturer.
R102	The system shall provide the user with the ability to delete a lecturer.
R102.1	A lecturer can only be deleted if he is not assigned to any lecture.
R103	The system shall provide the user with the ability to edit a lecturer.
R104	If the system requires data from the database, the system shall request the actual data from the server.
R104.1	All requested data from the server is encoded and the system shall decode the data.
R105	The system shall provide the user with the ability to search for a lecturer by surname, forename, or phone number.
R106	The system shall provide the user the ability to create all lectures that a assigned to one lecturer.
R107	The data set of one lecturer shall at least consist of surname, forename, and gender.
R107.1	The data set of one lecturer should contain additionally the degree, address, email address, phone number, consultation-hour, and room.
R108	The data element gender has the characteristic f for female or m for male.
	Technical requirements
R201	The system shall be developed by using the programming language Java.
R202	The database system shall use MySQL Version 5.1.
R203	The interface between Java and MySQL shall be JDBC.
	Portability
R301	The system shall be compatible with the current Windows versions.
	Efficiency
R401	A request resulting from a function call by a user, shall deliver the results within 5 seconds.
	Usability
R501	The graphical user interface shall be clear and easy-to-learn to facilitate the work of novice users.
R502	In case of erroneous inputs, the system shall provide a message with a description of the error. Such errors shall not crash the system.
R503	The user shall be able to find and edit the relevant information fast and easy.
R504	The navigation shall be clear and comprehensible so that the typical workflows are supported.
	Integrity
R601	The system shall require a login with user name and password to ensure that only authorized user access the data.
R602	The database shall be consistent all time.