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Use Case Descriptions For Homework 2
Systems Modelling (MTAT.03.083)

Use Case Name	Register to the System
Primary Actor	General user
Preconditions	–
Success Guarantee	User has been registered to the system
Main Success Scenario	User specifies username, password, role and submits the request. Database stores the credentials provided by the user.
Extensions	• User with provided username already exists: 　1. System displays an error message with text "User with provided username already exists".

Use Case Name	Login to the System
Primary Actor	General user
Preconditions	User has registered to the system
Success Guarantee	User has logged in to the system
Main Success Scenario	User enters username into the username field, password into the password field and presses 'Log in' button.

Extensions	• Credentials provided by the user do not match with a user in the database: 1. System displays an error message that no matching user can be found with provided credentials.

Use Case Name	Add New Doctor to the System
Primary Actor	Administrative officer
Preconditions	User is logged in into the system.
Success Guarantee	User is able to select the type of the doctor to add to the system.
Main Success Scenario	User enters doctors name, surname and professional-ID. User selects type of doctor either to be 'Surgeon' or 'Oncologist'.

Extensions	• User selected type of doctor 'Surgeon'.
	
	   1. See use case 'Add new Surgeon to the system'.
	
	• User selected type of doctor 'Oncologist'.
	
	   1. See use case 'Add new Oncologist to the system'.

Use Case Name	Add new Oncologist to the System
Primary Actor	Administrative officer
Preconditions	User has filled out the form from the use case 'Add new doctor to the system'.

Success Guarantee	User has added new oncologist to the system.
Main Success Scenario	User confirms the selection of doctor type 'Oncologist' and submits the form.
Extensions	- User with provided professional id already exists: - System displays an error message "Doctor with provided professional ID already exists".

Use Case Name	Add new Surgeon to the System
Primary Actor	Administrative officer
Preconditions	User has filled out the form from the use case 'Add new doctor to the system'.
Success Guarantee	User has added new surgeon to the system.
Main Success Scenario	User confirms the selection of doctor type 'Surgeon' and submits the form.
Extensions	- User with provided professional id already exists: - System displays an error message "Doctor with provided professional ID already exists".

Use Case Name	See All Doctors
Primary Actor	Administrative officer
Preconditions	User is logged in into the system.
Success Guarantee	User is able to see list of either all oncologists or surgeons.
Main Success Scenario	User selects 'View all doctors' option.

Extensions	- User selected type of doctor 'Surgeon'. - See use case 'See list of Surgeons'. - User selected type of doctor 'Oncologist'. - See use case 'See list of Oncologists'.

Use Case Name	See List of Surgeons
Primary Actor	Administrative officer
Preconditions	User has completed use case 'See all doctors'.
Success Guarantee	User is able to see a list of all surgeons.
Main Success Scenario	User selects the type of doctor 'Surgeon'. User submits the query.
Extensions	–

Use Case Name	See List of Oncologists
Primary Actor	Administrative officer
Preconditions	User has completed use case 'See all doctors'.
Success Guarantee	User is able to see a list of all oncologists.
Main Success Scenario	User selects the type of doctor 'Oncologist'. User submits the query.
Extensions	–

Use Case Name	See All Patients
Primary Actor	Receptionist

Preconditions	User is logged in into the system.
Success Guarantee	User is able to see list of all patients and their personal data.
Main Success Scenario	User selects 'View all patients data' option.
Extensions	–

Use Case Name	Open a Patient Folder
Primary Actor	Receptionist
Preconditions	User is logged in into the system.
Success Guarantee	User has created a patient folder with the provided user personal information.
Main Success Scenario	User selects 'Create new patient folder'. User enters patients name, surname, ID-code, date of birth and selects checkbox 'has national medical insurance'. User presses submit. User is redirected to the patient folder view.
Extensions	• Checkbox 'has national medical insurance' was left unchecked: 1. Text field appears in the same view and asks user to enter private insurance code. After code is entered, user presses submit again.

Use Case Name	Assign an Oncologist
Primary Actor	Receptionist
Preconditions	Patient folder has been opened.
Success Guarantee	User has assigned oncologist to the patient folder.

Main Success Scenario	In patient folder view, user selects 'Add oncologist'. User selects an oncologist from the list of available oncologists. User presses save button to save the information.

Extensions	• There is no oncologist available:
	
	  1. System displays an error message with text "No oncologist available".
	
	  2. System notifies the user that navigating away from the view while no oncologist is added will delete the patient folder.
	
	  3. If navigated away system deletes patient folder.

Use Case Name	Set date of the First Visit
Primary Actor	Receptionist
Preconditions	Patient folder has been opened.
Success Guarantee	Date for the first visit has been set to the patient folder.
Main Success Scenario	In patient folder view, user selects 'Select date for first visit'. User selects available date from the popup calendar. User selects save button to save the information.
Extensions	–

Use Case Name	Specify the Team
Primary Actor	Surgeon
Preconditions	User is logged in into the system. Surgeon was selected to perform a surgery. Action is available from 7 to 5 days before the surgery date.
Success Guarantee	User has specified a team that will perform the surgery.

Main Success Scenario	User selects 'create surgery team'. User selects an available date from the calendar. User clicks the button 'specify team'. Selects checkboxes from the table with the personal information of other available doctors. User confirms her selection by pressing save.

Extensions	• Not enough team members available for a given date:
	
	  1. System cancels the surgery.
	  2. System notifies oncologist via email that surgery has been cancelled.
	  3. System notifies the patient via email that surgery has been cancelled.

Use Case Name	Prescribe and Book a Visit
Primary Actor	Privileged doctor
Preconditions	User is logged into the system.
Success Guarantee	User has booked a visit for the patient.
Main Success Scenario	User selects 'book a visit'. User selects an available date from the calendar. User selects an available oncologist. User selects a patient from the patient list. User presses 'book' to book the visit.

Extensions	
	- Booked visit is the first visit for the patient: 1. After selecting available date from the calendar user checks the 'is first visit' checkbox. 2. User fills in information into the appeared form about the patient (name, surname, ID-code). 3. User selects insurance type (public or private). 4. If insurance type is private user fills in the insurance code.

Use Case Name	Book a Test
Primary Actor	Oncologist
Preconditions	User is logged in into the system.
Success Guarantee	User has booked a test for a patient.
Main Success Scenario	User selects 'book a test'. User selects test type (blood / imaging). User selects available date from the calendar. User selects time for the test for specified date. User enters patients ID-code. User selects 'book' to confirm the booking.
Extensions	- Patient with provided ID does not exist: 1. System displays an error message with text "Patient with provided ID does not exist". - User has selected test type 'Imaging': 1. User selects from the drop-down type of the imaging test. 2. User selects book to confirm the booking.

Use Case Name	Write Patient Anamnesis
Primary Actor	Oncologist
Preconditions	User is logged in into the system.
Success Guarantee	User has saved patients anamnesis.
Main Success Scenario	User selects 'add patient anamnesis'. User enters ID-code of the patient. User enters patients anamnesis. User presses 'save'.
Extensions	 • Patient with provided ID does not exist: 1. System displays an error message with text "Patient with provided ID does not exist".

Use Case Name	Copy and Add the Tests to the Folder
Primary Actor	Oncologist
Preconditions	User is logged in into the system.
Success Guarantee	User has copied tests to the patients folder.
Main Success Scenario	User selects option 'see test results'. User enters ID-code of the patient. By checking checkbox user marks which results to copy to the patients folder. User selects 'copy' to finalize result copying.

Extensions	• Patient with provided ID does not exist:
	
	  1. System displays an error message with text "Patient with provided ID does not exist".
	
	• There are no results to display for the patient:
	
	  1. System displays an info message: "No results available for the patient with id id.

Use Case Name	Add Therapy to the Patient Folder
Primary Actor	Oncologist
Preconditions	User is logged in into the system.
Success Guarantee	User has added therapy to the patients folder.
Main Success Scenario	User selects 'add therapy'. User enters ID of the patient. User selects 'view therapy spot availability'. User specifies start date of the therapy. User specifies end date of the therapy. User selects 'book' to book the available spot. User presses 'select medicines' to select medicines. User selects medicines from the available list. User specifies the number of units of medicine to take during the therapy. User presses confirm to confirm selected medicines. User presses 'submit' to submit the therapy to the patients folder.
Extensions	• Patient with provided ID does not exist: 1. System displays an error message with text "Patient with provided ID does not exist".

Use Case Name	Print the Results of the Tests
Primary Actor	Oncologist
Preconditions	User is logged in into the system.
Success Guarantee	User has printed the results of the tests for selected patient.
Main Success Scenario	User selects 'see test results'. User enters ID of the patient. User presses 'print' next to results of the tests.
Extensions	- Patient with provided ID does not exist: - System displays an error message with text "Patient with provided ID does not exist". - There are no results available to print: - System displays an error message with text "No results available to print".

Use Case Name	Add medicine to the hospital system list
Primary Actor	Oncologist
Preconditions	User is logged in into the system.
Success Guarantee	User has added a medicine to the system medicine list.
Main Success Scenario	User selects 'add new medicine'. User enters medicine name. User enters pharmaceutical company. User presses 'submit' to add the medicine to the system.
Extensions	–

Use Case Name	See All Medicines
Primary Actor	Oncologist

Preconditions	User is logged in into the system.
Success Guarantee	User is able to see the list of all medicines in the system.
Main Success Scenario	User selects 'show all medicines'.
Extensions	–

Use Case Name	Retrieve All Information From the Patient Folder
Primary Actor	Oncologist
Preconditions	User is logged in into the system.
Success Guarantee	User can see the information from the patient folder.
Main Success Scenario	User selects 'see patient information'. User enters patients ID-code. User presses 'view patient folder'.
Extensions	• Patient with provided ID does not exist: 1. System displays an error message with text "Patient with provided ID does not exist".

Use Case Name	Book a Surgery
Primary Actor	Oncologist
Preconditions	User is logged in into the system.
Success Guarantee	User has book a surgery for the patient.
Main Success Scenario	User selects 'book a surgery'. User specifies ID of the patient. User selects available date for the surgery. User selects the surgeon for the surgery. User presses 'book' to book the surgery.

Extensions	
	• Patient with provided ID does not exist: 1. System displays an error message with text "Patient with provided ID does not exist".