Product Requirements

Team: StackOverflowGooglers

Revision Number	Revision Date	Summary of Changes	Author(s)
0.1	9/5/2015	Initial statement of requirements	Doug Gawne
0.2	10/4/2015	Updated Use Case Diagrams as well as completed all use cases present in the R1 release of project. Also updated some of the stakeholders in the project and added a new user story.	Doug Gawne
1.1	10/22/2015	Added several user stories to document to be implemented in R2 (see UC 19/20)	Doug Gawne
1.2	10/24/2015	Updated Use Case Diagrams as well as all use cases for all R1 and R2 features	Doug Gawne

1 Brief problem statement

We represent a funding group (HAccelerator) chartered to create applications for the benefit of health-care across the country. The project we currently want to make a reality will be called **HealthNet**. At its core, HealthNet is meant to enable their hospitals in the US to be able to manage both employees and patients. The successful implementation should make it easy for users to effortlessly sign-up as patients so that the hospital can, without difficulty, manage their procedures and patient related tasks to optimize day-to-day work-flow.

The HealthNet product is intended to improve hospitals by providing an easy mechanism for managing employees, gathering statistical data on the inner workings of the hospital, signing up patients, making appointments, and allowing ease of transfer of both patients and their information between hospitals.

We want a product whose emphasis is on ease of use, whose navigation is straightforward and where the status of any, and all, information shown is clearly

displayed. Ultimately, a system where understanding and communication about hospital and patient matters is improved.

The goal of this software is to provide a medical company with an easy way to keep track of patients and doctors throughout the hospital. It is to be easy to use and have the inbuilt features the hospital needs to function day to day.

2 Stakeholders

HAccelerator Board of Directors – oversee the projects funding and expenses. Have vested interest in the proven success of the product but are not involved in the planning and execution.

HAccelerator Product Owner – will act as principle representative for HealthNet product needs. He/she champions the product with the Board of Directors, helps facilitate product decisions and has the ultimate say on when and what features should be released.

StackOverflowGooglers – responsible for the design and development of the product.

Beta Testing Team – represent the target user base for HealthNet. Will be available in later phases of the project to conduct acceptance testing and provide feedback on product release.

Doctors and Nurses - will be using software on a daily basis to keep track of hospital activities including appointments patient medical information and other key facets of goings on in the hospital.

Patients - will be using software to stay more connected with the hospital staff.

Hospital Network Admins - will be using the software to keep track of statistical data as it applies to the hospital.

3 Users profile

The target user must:

- Have basic experience using computers and browsing the internet. Has filled out online forms or surveys and may have purchased or sold a product.
- Have a computer with access to the internet
- Have an interest in improving their health by using an online way of interacting with their hospital
- Be willing to share information such as home address and contact information as well as more personal information such as medical history

4 System requirements

At a high-level this project will be source controlled in SVN, run on Django using python, sqlite and needs to be compatible with the latest browsers.

Although the application needs to be accessible through the internet, deployments and demonstrations for this phase of the project will take place within the RIT Software Engineering environment. To this end, you must understand and document the target platforms from the perspective of the client browser as well as that of the server. Make sure to capture versions or software dependencies, programming languages and hardware specifications that are available for your use and proceed only after you document and confirm these with the customer.

5 Feature requirements (user stories)

The following list of user stories is neither final nor comprehensive. You must consider it your responsibility to maintain its relevance, clarify any misunderstandings and keep it up-to-date. Any changes must be discussed with the Product Owner for approval.

No	User Story Name	Description	Release
1	Patient Registration	Users sign up to become a Patient by providing their personal contact information, proof of insurance and unique login credentials. Additionally, a patient should provide the system with some basic medical profile information, a choice of preferred hospital and emergency contact information (linked to another patient if they are already in the system).	R1
2	Administrator Registration	Doctors, Nurses, and Administrators will be added to the system by other administrators. All information for creating these new accounts will be done through an administrator account.	R1

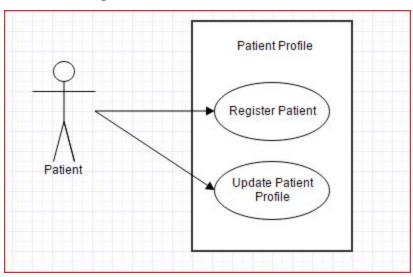
3	Update Patient Profile Information	Patients can update their profile information.	R1
4	Update Patient Medical Information	Doctors and Nurses can update patient medical information.	R2
5	Export Information	Patients will be able to export their information and their test results from the system with relevant privacy warnings.	R2
6	Create or Update Patient Appointment	Patients, doctors and nurses can create or update an appointment with a doctor and at one of the doctor's available locations.	R1
		If the patient or doctor already has an appointment at the time selected, then the system will not allow for the appointment.	
7	Cancel Patient Appointment	Patients can cancel their existing appointments. Doctors can cancel their existing appointments. Nurses cannot cancel (only modify) existing	R1
		appointments.	
8	Appointment Calendar	Doctors and patients will easily be able to view all of their appointments in a calendar view.	R1
		Nurses will be able to see all appointments for the day and week between Patients and Doctors.	
9	Add/Remove Prescriptions	Doctors can add or remove a prescription to a patient record.	R2
		Nurses can view the prescriptions of patients belonging to the same hospital.	
		Patients can view their prescriptions from their account.	

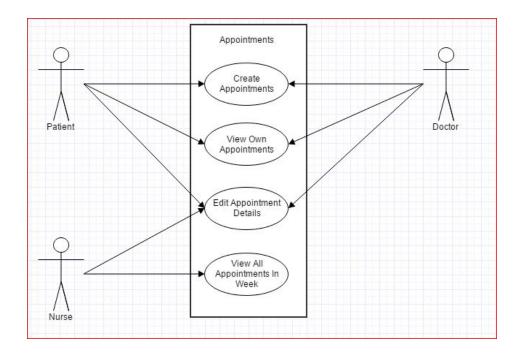
10	Viewing Patient Medical Information, Prescriptions and Tests and Results	Doctors can view all medical information for any patient in the system (regardless of Hospital). Nurses can only view patient medical information in the hospital they work for. Patients can view their tests (pending or completed) and view the corresponding results for those tests that have been released by the doctor. Prescriptions and other non-sensitive information is viewable by the patient without a need for doctor's	R2
11	Release Test Results	release. Doctors (within the patient's hospital) can, upon evaluating a patient's test results, release them for view by that patient. Comments may be added to the specific test result for view by the patient.	R2
12	Logging System Activity	For security, many actions in the system will be logged for review at a later date. Some examples of actions to be logged include but are not limited to updating of a Patient's information, viewing of a Patients information/records, and transfers of a Patient from one hospital to another.	R1
13	Admission and Discharge to/from Hospital	Doctors and Nurses can admit a patient to the hospital for an extended stay (reasons could be: emergency, observation, surgery, etc.). These are typically unexpected visits but can result from a decision made after a scheduled appointment. This event is recorded by the system. Doctors are the only ones to approve a patient's discharge from the Hospital. This event is recorded by the system.	R2

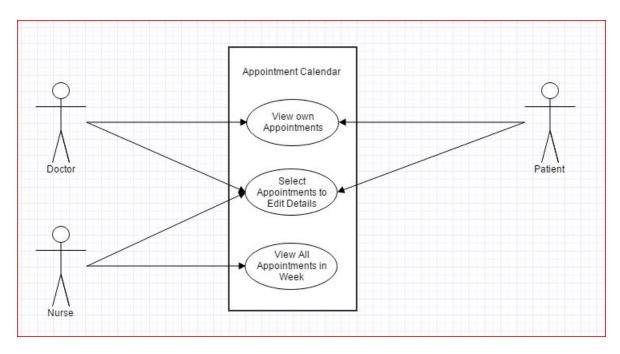
14	Viewing Activity Log	Administrators will be able to view the logs of all system activity for a given time-frame at their hospital. Some examples of this might be: - breakdown of the viewing activity of patient records or by system user - most common system activities (or by user) Other important and informative statistics yet to be determined.	R1
15	Viewing System Statistics	Administrators will be able to view compiled statistics for a given time-frame at their hospital. Some examples of this might be: - number of patients visiting the hospital - average number of visits per patient - average length of stay (from admission to discharge) - most common reasons for being admitted to the hospital - prescription statistics Other important and informative statistics yet to be determined.	R2
16	Patient Transfer	Patient can be transferred between hospitals. Transfers can be carried out by either administrators or by doctors (ones who are at the receiving hospital).	R2
17	Upload Patient Information	Doctors will be able to upload the results of a patient's tests if needed. Doctors will be able to upload images such as those used in X-Rays to update a patient's record. Uploads are considered as updates to a patient's medical information.	R2
18	Send Private Message	Doctors, nurses, patients and administrators can send private messages of limited length via the system.	R2

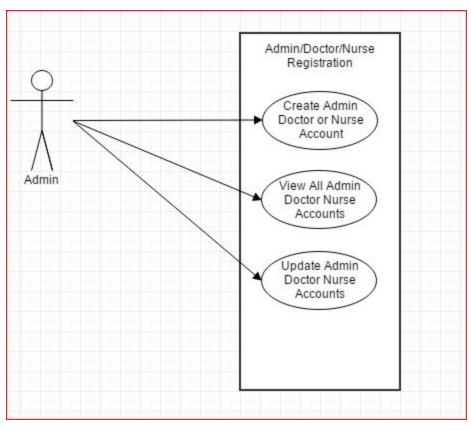
	19	Administrator Message Board	Administrators will be able to post a message of the day of limited length that will be available for viewing by all doctors, nurses, and other administrators.	R2	
2	20	Status Message Indicating Admittance	Patients when admitted to the hospital will have an indicator on log in to indicate they are currently admitted to a hospital.	R2	

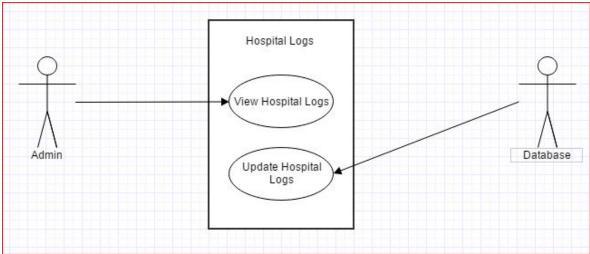
Use case diagram

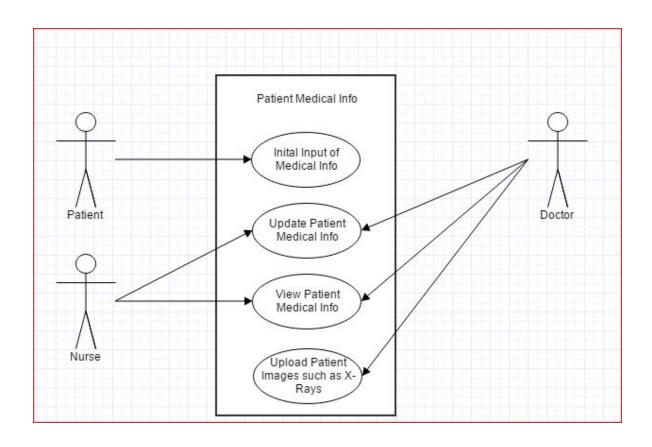


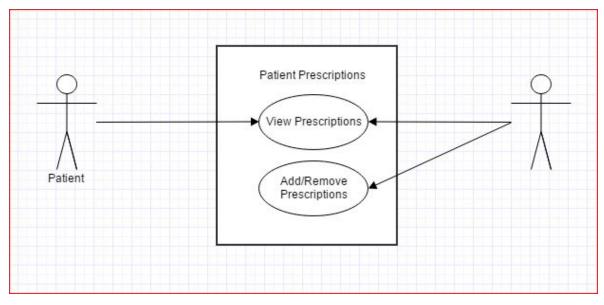


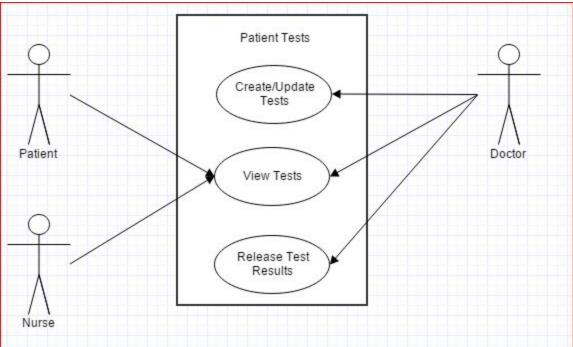


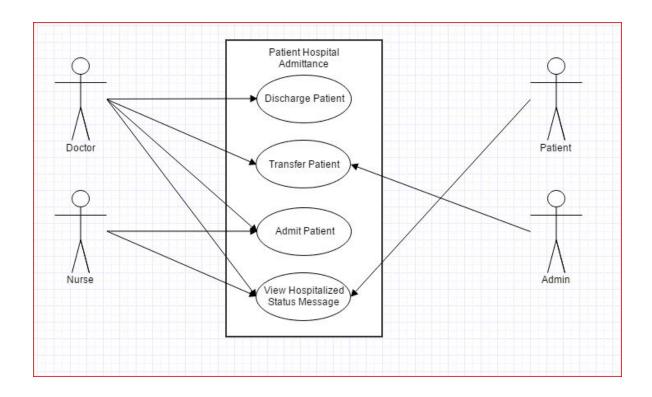


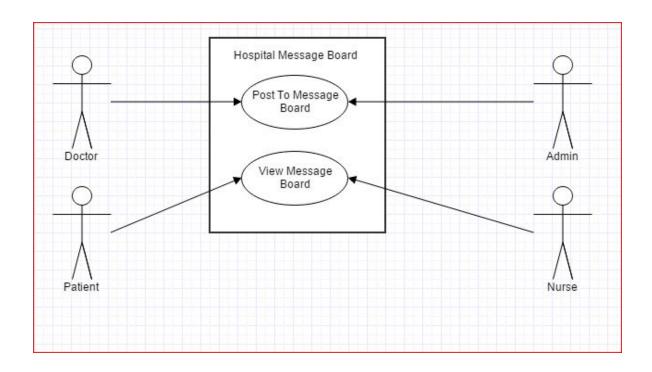












Use case description

Use Case	UC-01
Number:	
Use Case	Registration
Name:	
Overview:	Registrant shall provide personal, medical, and emergency contact
	information to the System upon registering and becoming a Patient.
Actor(s):	Registrant

Pre-conditio	- System has been setup and configured.	
n(s):	- System is running and open for registrations.	
	- Registrant has accessed website via URL	
Scenario	Main (success) Flow:	
Flow:	1. Registrant selects option to register	
	2. System requests <u>personal</u> information	
	3. Registrant provided personal information.	
	4. System verifies required information is provided.	
	If information is invalid System displays message. Return	
	to Step 2	
	5. System requests basic medical information	
	6. Registrant provides medical information	
	7. System verifies required information is provided.	
	If information is invalid System displays message. Return	
	to Step 5	
	8. System requests emergency contact information	
	9. Registrant provides emergency contact information	
	10. System verifies required information is provided	
	 If information is invalid System displays message. Return to Step 8 	

- 11. System requests login information
- 12. Registrant provides login information
- 13. System verifies required information is provided
 - If information is invalid System displays message. Return to
 Step 11
- 14. System displays confirmation of registration

Alternate Flows:

Alternate Flow #1: After Step 2 in success scenario System will display the option to Cancel the registration process. The following steps would occur:

- 1. Registrant selects option to cancel during registration
- 2. System requests confirmation to cancel
- 3. Registrant confirms intent
- 4. System returns to main screen

Alternate Flow #2: The emergency contact information is an existing user in the system. After step 10 the following steps would occur:

- 1. Registrant selects option to select an emergency contact from the system
- 2. System displays a search bar for the Registrant to input the user's name
- 3. Registrant inputs the user's name and presses enter

	4. System returns a list of users with matching names
	5. Registrant chooses intended user
	6. System sets that user as an emergency contact
Post	Registrant did not complete registration. System does not store
Condition:	Registrant's information.

Use Case	UC-02
Number:	
Use Case	Administrator Registration
Name:	
Overview:	Administrators with existing accounts will be able to add doctors,
	nurses, and new administrators to the system with administrative access.
Actor(s):	Prior administrator and a new administrator to be added
Pre-	- System has been setup and configured
condition(s):	- System has a prior administrative account created
	- New admin will be qualified to receive administrative privileges
Scenario	Main (success) Flow
Flow:	

	Administrator logs into the system
	2. Administrator selects option to add a new administrator
	3. Administrator enters new account information
	4. System verifies new administrator information
	5. Status of doctor, nurse or administrator is requested
	6. If nurse hospital of employment is requested
	7. System requests login information
	8. User enters login information
	9. System verifies registration
Alternate	Alternate Flow #1
Flows:	1. User selects cancel
	2. System requests verification of cancel
	3. User confirms cancel
	4. System returns to home screen
Post	Admin does not finish account creation and new account information is
Condition:	not stored

Use Case	UC-03
Number:	
Use Case	Update Patient Profile Information
Name:	
Overview	Patients will be able to update their personal information at any time once
	logged in to the system
Actor(s):	Patient
Pre-	System is set up and configured
	-System is set up and configured
Condition(s)	-Patient has previously created an account
:	-Patient is logged in to system
Oceanonic	Main (august) Flaur
Scenario	Main (success) Flow
Flow:	From patient home page patient selects update information
	System requests personal, medical, and emergency information
	3. Once patient has changed information as desired patient selects
	to submit changes
	4. System verifies that information is valid
	5. System updates database of changes

Alternate Flows:	Alternate Flow #1 1. Patient selects cancel 2. System cancels the update of information and returns patient to home screen
Post Condition:	-Patient information is still in tact except for changed fields

Use Case Number:	UC-04
Use Case Name:	Update Patient Medical Information
Overview	Doctors and Nurses can update patient medical information
Actor(s):	Doctor, Nurse
Pre- Condition(s):	-System is set up and configured -Patient, Nurse, and Doctor all have registered valid accounts -Doctor/Nurse are logged in to account

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Scenario	Main (success) Flow
Flow:	1. From home screen Doctor/Nurse select update Patient Medical
	Info
	2. Doctor/Nurse input and submit relevant information
	3. System verifies information is valid
	4. System updates database and takes Doctor/Nurse back to home
	page
Alternate	Alternate Flow #1
Flows:	1. Doctor/Nurse selects cancel
	2. System takes Doctor/Nurse back to home screen
	Alternate Flow #2
	1. Information entered is invalid
	2. System takes Doctor/Nurse back to re enter information
Post	-Medical information is stored in the database
Condition:	

Use Case Number:	UC-05
Use Case Name:	Export Information
Overview	Patients will be able to export their information and test results from the

	system with relevant privacy warnings.
Actor(s):	Patient
Pre-	-System is set up and configured
Condition(s):	-Patient has a valid account and is logged in
Scenario	Main (success) Flow
Flow:	1. From home screen Patient selects option to export information
	2. System provides verification displaying relevant privacy warnings
	3. Patient selects to continue
	4. System exports patient information
Alternate	Alternate Flow #1
Flows:	Patient cancels upon seeing privacy warnings
	2. System returns Patient to home screen
Post	-Patient information remains in tact in the system with a copy exported to
Condition:	the patient

Use Case	UC-06
Number:	

Use Case	Create Patient Appointment
Name:	
Overview:	Used for patients and doctors to create/update appointments in an
	available time slot.
Actor(s):	Doctor, patient
Pre-	-System has been setup and configured
condition(s):	-Both doctor and patient have an existing accounts
	-Time slot is free for both doctor and patient
Scenario	Main (success) Flow
Flow:	User (can be doctor or patient) logs into the system
	2. User selects option to create a new appointment
	3. User selects a doctor or patient the appointment will be with
	4. User selects time and date for appointment
	5. System verifies that time slot selected is free for both doctor and patient
	6. Appointment is added to both the doctor and patient's account
Alternate	Alternate Flow #1
Flows:	1. User selects cancel

	2. System requests verification of cancel
	3. User confirms cancel
	4. System returns to home screen
	Alternate Flow #2
	1. User selects a time slot that is already occupied
	2. System shows a message saying the time slot is filled
	3. System goes back to screen to select a new time and date
Post	User does not finish creating appointment and the appointment is not
Condition:	stored in either doctor or patient's account.

Use Case Number:	UC-07
Use Case Name:	Cancel/Update Patient Appointment
Overview	Patients and Doctors are able to cancel their appointments as desired

Actor(s):	Patient, Doctor
Pre-	-System has been setup and configured
Condition(s)	-User is logged into either a doctor or patient account
	-User has a previously created appointment
Scenario	Main (success) Flow
Flow:	User selects date of appointment from calendar on home page
	2. User selects the appointment on that date they wish to
	update/cancel
	3. System takes user to view appointment details
	4. From this page user can either update the appointment details or
	select cancel appointment
	5. Once appointment is changed or cancel is selected system verifies
	to make sure the new appointment details are valid
	6. System either cancels or updates the appointment in the database
Alternate	Alternative Flow #1
Flows:	User selects cancel while updating appointment details
	2. System returns user to homepage calendar
Post Condition(s)	-Appointment is either removed or updated in database
:	

Use Case Number:	UC-08
Use Case Name:	Appointment Calendar
Overview	From post-login homepage doctors and patients are able to see all appointments they have made on a calendar page. Nurses can see all doctors and patients and select one to see all appointments for the current week.
Actor(s):	Doctor, Nurse, Patient
Pre-	-System is set up and configured
Condition(s):	-User is logged into a valid nurse, doctor, or patient account
Scenario	Main (success) Flow
Flow:	User navigates to a post-login home page
	2. System displays all appropriate details in calendar form
Alternate Flows:	None

Post	None
Condition:	

Use Case	UC-09
Number:	
Use Case	Add/Remove Prescriptions
Name:	Additional
Name.	
Overview	Doctors can add or remove a prescription to the patient record.
	Nurses can view the prescriptions of patients belonging to the same
	hospital.
	Patients can view their prescriptions from their account
	·
Actor(s):	Doctor, Nurse, Patient
Pre-	-System is set up and configured
Condition(s):	-Patient has a valid account
Condition(s):	
	-User accessing/updating information has a valid account and is logged
	in

Main (success) Flow #1 (Doctor)
1. Doctor selects update medical information for desired patient
2. Doctor selects prescriptions from the update medical information
screen
3. Doctor inputs prescription to be added to patient profile
4. System verifies the information is valid
5. System updates prescription in the database
6. System returns Doctor to homepage
Main (success) Flow #2 (Nurse)
1. From home screen Nurse selects to view medical information for
desired patient
2. From the view patient medical information the nurse selects to
view patient prescriptions
3. System displays relevant patient prescriptions
Main (success) Flow #3 (Patient)
1. From home screen Patient selects to view own medical
information
2. From the view patient medical information the patient selects to
view prescriptions
3. System displays relevant patient prescriptions
Alternate Flow #1 (Doctor)
1. Doctor cancels adding a prescription
2. System takes Doctor back to home screen
Alternate Flow #2 (Doctor)
1. Prescription information entered is invalid
2. System returns doctor to add/update prescription screen and
prompts Doctor to re enter information
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Post	-Patient prescriptions are updated in the database when a doctor
Condition:	adds/removes prescriptions
	-Patient prescriptions are unchanged in the database when viewed by a
	nurse/patient

Use Case Number:	UC-10
Use Case Name:	Viewing Patient Medical Information, Prescriptions and Test Results
Overview	Doctors can view all medical information for any patient in the system (regardless of Hospital). Nurses can only view patient medical information in the hospital they work for. Patients can view their tests (pending or completed) and view the corresponding results for those tests that have been released by the doctor. Prescriptions and other non-sensitive information is viewable by the patient without a need for doctor's release.
Actor(s):	Doctor, Nurse, Patient
Pre-	-System is set up and configured

Condition(s):	-Patient has a valid account with Medical/Personal information -User viewing information has a valid account
Scenario Flow:	 Main (success) Flow From home screen user selects to view patient information System verifies user has authority to view that patient's information System verifies information is available and released for that user System displays all relevant released information
Alternate Flows:	None
Post Condition:	None

Use Case Number:	UC-11
Use Case Name:	Release Test Results

Overview	Doctors (within the patient's hospital) can, upon evaluating a patient's test results, release them for view by that patient. Comments may be added to the specific test result for view by the patient.
Actor(s):	Doctor
Pre-	-System is set up and configured
Condition(s):	-Patient with test has a valid account
	-Doctor updating/adding tests has a valid account
Scenario	Main (success) Flow
Flow:	From home screen doctor selects to update patient medical
	information
	2. Doctor selects what patient they want to add/update tests for
	3. Doctor selects to release the desired test
	4. Doctor is prompted to input test results
	5. System verifies test results are valid
	6. System prompts Doctor to add a comment to the test results
	7. System verifies comment is valid
	8. System updates test results in database
Alternate	Alternate Flow #1
Flows:	Doctor selects cancel while inputting test information
	System does not save test results and returns doctor to home page
	Alternate Flow #2
	1. Information input is not valid

	System returns doctor to input test information page and prompts doctor to input valid information
Post	-Test results are saved in the database
Condition:	

Use Case	UC-12
Number:	
Use Case	Logging Activity
Name:	
Overview:	System logs all activity within the system for later viewing by an admin
Actor(s):	Any
Pre-	-System has been set up and configured
condition(s)	
:	-User account(s) exist
Scenario	Main (success) Flow
Flow:	
	Activity is performed within the system
	2. At end of activity the logger is called to keep track of the activity

	3. Logger saves activity for later viewing
Alternate	Alternate Flow #1
Flows:	Activity is canceled Logger is not called and does not save action
Post	Activity is saved within the logger.
Condition:	

Use Case Number:	UC-13
Use Case Name:	Admission and Discharge to/from Hospital
Overview	Doctors and Nurses can admit a patient to the hospital for an extended stay (reasons could be: emergency, observation, surgery, etc.). These are typically unexpected visits but can result from a decision made after a scheduled appointment. This event is recorded by the system. Doctors are the only ones to approve a patient's discharge from the Hospital. This event is recorded by the system.
Actor(s):	Doctor/Nurse

Pre-	-System is set up and configured
Condition(s):	-Patient has a valid account in the system
	-Doctor/Nurse admitting has a valid account in the system
	-Doctor discharging patient has a valid account in the system
Scenario	Main (success) Flow #1 (Admission)
Flow:	1. Doctor/Nurse selects the admit patient from the home screen
	2. Doctor/Nurse select the patient to be admitted
	3. System updates patient's admittance in the database
	Main (success) Flow #2 (Discharge)
	Doctor selects the discharge patient option from the home
	screen
	2. Doctor selects the patient to be discharged
	3. System prompts Doctor to verify decision
	4. System updates the patient's discharge in the database
Alternate	Alternate Flow #1
Flows:	Doctor/Nurse selects cancel during the admission/discharge
	process
	2. System returns Doctor/Nurse to home page
Post	-Patient's admittance status is updated in the database
Condition:	

Use Case Number:	UC-14
Use Case Name:	Viewing Activity Log
Overview	Administrators of the system are able to see all activity that has happened within the system
Actor(s):	Administrators
Pre- Condition(s):	-System is set up and configured -Administrator is logged into a valid account that has administrator privileges -Some activity has occurred within the system
Scenario Flow:	Main (sucess) Flow 1. Administrator selects the logs link from the administrator home page 2. Logs of system activity are displayed
Alternate Flows:	None
Post Condition:	None

Use Case Number:	UC-15
Use Case Name:	Viewing System Statistics
Overview	Administrators will be able to view compiled statistics for a given time-frame at their hospital. Some examples of this might be: - number of patients visiting the hospital - average number of visits per patient - average length of stay (from admission to discharge) - most common reasons for being admitted to the hospital - prescription statistics Other important and informative statistics yet to be determined.
Actor(s):	Admin
Pre-	-System is set up and configured
Condition(s):	-Admin has a valid account in the system
	-Activity has occurred within the system
Scenario	Main (success) Flow

Flow:	From home page admin selects the view system statistics option System displays all relevant system statistics
Alternate Flows:	None
Post Condition:	None

Use Case Number:	UC-16
Use Case Name:	Patient Transfer
Overview	Patient can be transferred between hospitals. Transfers can be carried out by either administrators or by doctors (ones who are at the receiving hospital).
Actor(s):	Doctor, Admin
Pre-	-System is set up and configured

Condition(s):	-Patient being transferred has a valid account in the system -Doctor/Admin transferring patient has a valid account in the system
Scenario	Main (success) Flow
Flow:	From home screen Doctor/Admin select the transfer patient option
	2. Doctor/Admin select patient to be transferred
	3. System prompts Doctor/Admin asking what hospital patient will be transferred to
	4. System prompts Doctor/Admin to verify decision
	5. System updates patient's hospital in the database
Alternate	Alternate Flow #1
Flows:	Doctor/Admin selects cancel while transferring patient
	2. System returns Doctor/Admin to home page
Post	-Patient hospital field still exists in the database whether changed or
Condition:	unchanged

Use Case Number:	UC-17
Use Case Name:	Upload Patient Information

Overview	Doctors will be able to upload the results of a patient's tests if needed.
	Doctors will be able to upload images such as those used in X-Rays to update a patient's record.
	Uploads are considered as updates to a patient's medical information.
Actor(s):	Doctor
Pre-	-System is set up and configured
Condition(s):	-Doctor has a valid account in the system
	-Patient has a valid account in the system
Scenario	Main (success) Flow
Flow:	From home page Doctor selects to update/view Patient information
	2. Doctor selects the option to update patient medical information
	Doctor selects the patient whose information they wish to update
	4. Doctor selects upload patient information
	5. Doctor is prompted to select a file to upload
	6. System verifies the file is of relevant type
	7. System updates the information in the database
Alternate	Alternate Flow #1
Flows:	1. Doctor selects cancel while updating the patient's information
	2. System does not update database and returns Doctor to home

	page
Post Condition:	-Patient's medical information remains in a valid state in the database

Use Case Number:	UC-18
Use Case Name:	Send Private Message
Overview	Doctors, nurses, patients, and admins can send private messages of limited length via the system
Actor(s):	Doctor, Nurse, Patient, Admin
Pre-	-System is set up and configured
Condition(s):	-User sending message has a valid account in the system
	-User receiving message has a valid account in the system
Scenario	Main (Success) Flow #1 (Send message)
Flow:	From home page user selects the messages option
	2. From the messages screen user selects recipient of the

	message
	3. User inputs message and selects send
	4. System verifies message is of valid length
	5. System stores the message in the database for viewing
	Main (Success) Flow #2 (Receive message)
	From home screen recipient of a message selects the messages option
	2. On this screen the messages received are displayed
	3. User selects message to view
	4. System displays message
Alternate	Alternate Flow #1
Flows:	User selects cancel while inputting message
	2. System does not store message and returns user to relevant
	home page
	Alternate Flow #2
	1. Message is not of valid length
	2. System prompts user to shorten message and returns user to
	the input message screen
Post	-Messages are stored in a valid state in the database
Condition:	

Use Case	UC-19
Number:	

Use Case Name:	Administrator Message Board
Overview	Administrators will be able to post a message of the day of limited length that will be available for viewing by all doctors, nurses, and other administrators.
Actor(s):	Administrator
Pre- Condition(s):	-System is set up and configured -Admin has a valid account in the system
Scenario Flow:	Main (success) Flow 1. From admin home page admin selects to add a message to the home screen of all users 2. Admin is prompted to input message 3. System verifies the validity of the input message 4. System stores message and makes it viewable to anyone with an account
Alternate Flows:	Alternate Flow #1 1. Admin selects cancel while adding message 2. Message is not stored in the database and Admin is returned to home page Alternate Flow #2 1. Message is not valid

	Relevant validity warning is displayed and admin is prompted to enter a new message
Post Condition:	-Message is stored in a valid state within the database

Use Case Number:	UC-20
Use Case Name:	Status Message Indicating Admittance
Overview	Patients when admitted to the hospital will have an indicator on log in to indicate they are currently admitted to a hospital.
Actor(s):	Patient
Pre-	-System is set up and configured
Condition(s):	-Patient has a valid account in the system
Scenario	Main (success) Flow
Flow:	Upon admittance to a hospital an indicator appears on the patient's home page indicating they are currently admitted to the hospital

	2. Upon discharge the indicator is removed
Alternate Flows:	None
Post Condition:	None