Exporting data

Information

Rank   Unspecified

ID

Status   Unspecified

Justification

Primary Actors   Health Care Provider

Suppporting Actors

Scenarios
Scenario

1. User selects the information that they wish to import
2. System highlights the selected information
3. User will select the export button
4. System will prompt the user to select the type of file that will be generated
5. User selects the type of file to export the information to
6. System will prompt the user to select the name of the file
7. User enters the desired name of the file
8. System will prompt the user to select the file system location to export the file to
9. User selects the file system location to save the file to
10. System will prompt for confirmation of the file type, file name, and export location
11. User will confirm the file type, file name, and export location
12. File is exported in the desired format to the determined location

Extensions

5.a. Desired file type is not available
  1. User will select cancel on the export
7.a. Desired file name is not available
  1. System will notify the user that the file name is not available
9.a. Desired file location is not available
  1. User will select cancel on the export
12.a. Error in saving the file
  1. System will notify the user of the error
  2. System will not export to the file
#.a. At any point the system fails
  1. User will exit and restart the application

Details

Level	User
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	Initial Visit (Record Info) Provider Notes
Post-conditions	Desired file will be exported to the specified location Desired file will be in the specified format
Author	Jordan Hurt
Assumptions	N/A

Requirements

Patient Database

Data consistency

Easy file sharing

Different fields for different types of patient visits

Referral Letter

Information

Rank   Unspecified

ID

Status   Unspecified

Justification

Primary Actors   Health Care Provider, Other Healthcare providers

Suppporting Actors

Scenarios

Scenario

1. User will select the "Referral" button
2. System will prompt the user for the reason for the referral
3. User will select in the reason for the referral
4. User will select continue
5. System will prompt the user to select the provider to refer the patient to
6. User will select the provider to refer to
7. User will select continue
8. System will prompt the user for a file name
9. User will enter the file name to save the referral to
10. System will prompt the user for a location to save the file to
11. User will select a location to save the referral to
12. System will prompt the user to select the type of file to generate
13. User will select the the type of file to generate
14. User will select continue
15. System will display a confirmation page with the all of the entered information
16. User will select create
17. System will save the referral letter to the entered location

Extensions

3.a. If there are multiple reasons for referral
  1. User will select all reasons for referral

6.a. Provider that is desired is not an option
  1. User will select other
  2. System will prompt the user for the name of the provider
  3. User will enter in the name of the into the system's prompt

9.a. If the file name is not valid
  1. System will prompt the user to enter a valid file name

11.a. If the location is not avalible
   1. System will notify the user that the location is not available

13.a. Desired file type is not available
   1. User will select cancel

17.a. Error in saving the file
   1. System will display that there was an error in generating the file

#.a. User decides not to finish creating the referral letter
   1. User will select cancel

#.b. The system fails
   1. User will exit and restart the application

Details

Level	User
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	Pre-formatted referral letters saved into the system
Post-conditions	Desired file will be exported to the specified location Desired file will be in the specified format Desired file will have the correct name Desired file will be formatted correctly
Author	Jordan Hurt
Assumptions	Logged into the system User is a Doctor

Requirements

Access

Input

Easy file sharing

Simple to use UI for Doctor

Provider Notes

Information

Rank   Unspecified

ID

Status   Unspecified

Justification

Primary Actors   Health Care Provider

Suppporting Actors

Scenarios
Scenario

1. User selects the "Patient Visit" tab
2. System displays the patient visit form to the user
3. User enters the patient's chief complaints into the input box labeled "Chief Complaint"
4. User enters the vitals into the appropriate input boxes
5. User enters in notes from the physical exam into the "Physical Exam Notes" input box
6. User enters in their recommendations for the patient in the "Next Steps" input box
7. User selects the save button
8. System will display a notification that the information was saved

Extensions

2.a. Error in displaying the form
  1. System will display an error message
  2. User refreshes the page to reload the form
3.a. A complaint is not the reason for the visit
  1. User will enter the reason for the visit labeled "Chief Complaint"
5.a. No physical exam is needed
  1. User will enter in a summary of the conversations had between the provider and the patient
8.a. System is not able to save the information
  1. System will display an error message to the user
#.a. The system fails
  1. User will exit and restart the application
#.b. After step 1, all other steps may be done in any order

Details

Level	User
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	N/A
Post-conditions	Information will be saved to the patient's file
Author	Jordan Hurt
Assumptions	User is already within the patient's profile User is a Doctor

Requirements

Input

Easy file sharing

Login/Credential Verification

Information

Rank   Unspecified

ID

Status   Unspecified

Justification

Primary Actors   Health Care Provider, Patient

Suppporting Actors

Scenarios

Scenario

1. User opens the application
2. System prompts client to enter their credentials
3. User enters their credentials
4. System checks e-mail username to see if an account is associated
5. Account is associated
6. System checks password to see if it matches the account password
7. Password is correct
8. System redirects User to their home page

Extensions

3.a. User to does not yet have an account
  1. User selects option to create an account
  2. System redirects user to account creation

5.a. E-mail entered does not match an account
  1. System prompts user to re-enter credentials
    1.1. User re-enters credentials until correct
    1.2. User does not have an account
      1.2.1. User chooses to create an account

7.a. Password entered does not match account password
  1. System prompts user to re-enter password
    1.1. User re-enters credentials until correct
    1.2. User does not have an account
      1.2.1. User chooses to create an account

#.a. The application fails
  1. User will exit and restart the application

Details

Level	User
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	N/A
Post-conditions	Patient gains access to the system
Author	John Harrison
Assumptions	Emails are used as user names

Requirements

Patient – User Interface

Look up

Input

Patient Database

Billing

Information

Rank   Unspecified

ID

Status   Unspecified

Justification

Primary Actors   Health Care Provider, Insurance agent

Suppporting Actors

Scenarios
Scenario

1. User selects display bill
2. System displays billing information to the user, including total cost and services rendered
3. User selects the day which the bill must be paid by
4. User selects send bill
5. System prompts the user for bill recipients
6. User selects the recipients to send the bill to
7. User selects the send bill button
8. System sends the bill to the specified parties
9.

Extensions

2.a. Invalid cost values are entered
  1. System signals error and rejects entry
  2. Staff responses to error
     2.1. Data for charging is saved in human readable format
        2.1.1. Office accountant manually enters data
        2.1.2. System recalculates and displays results
     2.2. Necessary data is not saved
        2.2.1. Accountant reports error
        2.2.2. Operation is put on hold until correct data is recovered
2.b. Services rendered are not available
  1. System reports error
  2. Accountant responds to errors
     2.1. Services are locatable
        2.1.1. Account enters data by hand
     2.2. Services are not locatable
        2.2.1. Accountant reports error

      2.2.2. Operation halted until correct data is recovered

3.a. Patient receives payment extension for extenuating circumstances

    1. User notes the extension and the reason for the extension on the bill

    2. System saves the updated due date

    3. System notifies the other bill recipients of the extension

6.a. Desired recipient is not listed

    1. User will select other

    2. System will prompt the user to enter the name and email of the recipient

    3. User enters in the recipient's information

    4. User selects add recipient

8.a. Bill is unable to be sent due to extenuating system errors

    1. System reports error

    2. System displays which recipients did not receive the bill

    3. User manually sends data

#.a. System fails

    1. User will exit and restart the application

Details

Level	User goal
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	Patient recives a service from a provider
Post-conditions	Listed recipiants will recive the bill Bill due date will be saved
Author	Katie Wokwoek
Assumptions	User is a staff member

Requirements

Different fields for different types of patient visits

Doctor Database

insurance code

Look up

Access

Data consistency

Easy file sharing

Schedule Patient

Information

Rank   Unspecified

ID

Status   Unspecified

Justification

Primary Actors   Health Care Provider

Suppporting Actors

Scenarios

Scenario

1. Patient asks to schedule appointment
2. Staff asks patient for credentials
3. Patient provides correct credentials to staff
4. Staff asks patient which time is convenient for appointment
5. Patient gives staff valid time for appointment
6. Staff enters new appointment into schedule at requested time
7. Schedule updated with new appointment

Extensions

2.a. This is patient's first visit
  1. Proceed with first visit protocol

3.a. Patient provides incorrect credentials
  1. If patient does not have account, patient signs up for one
  2. Patient tries again until correct credentials are provided

5.a. Appointment time given is invalid
  1. Patient is prompted for a new, available time until correct time is provided.

Details

Level	User
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	N/A
Post-conditions	Patient appointment added to schedule
Author	John Harrison
Assumptions	N/A

Requirements

Different fields for different types of patient visits

Doctor Database

Time sheet

insurance code

Patient – User Interface

Input

Signing up for patient

Information

Rank   Unspecified

ID

Status   Unspecified

Justification

Primary Actors   Health Care Provider, Patient

Suppporting Actors

Scenarios
Scenario

1. Patient arrives to sign up page.
2. System requests patient's full name, email, DOB, sex, height, and weight.
3. Patient enters in the prompted information.
4. System requests for patient contact number, marital status, and address.
5. Patient enters in the prompted information.
6. System requests for patient emergency contact information.
7. Patient enters emergency contact information.
8. System asks whether patient is taking any medication.
9. Patient enters in current medication.
10. System asks whether patient has any current or past health conditions.
11. Patient enters in health conditions.
12. System request patient for an email address.
13. Patient provides email address.
14. System requests patient to make password.
15. Patient provides password.
16. System saves the patient information.
17. System displays a sign-up completion window.

Extensions

9.a. Medication is not listed
  1. Patient selects other
  2. System prompts for medication name and dose
  3. Patient enters in name and dose of medication

11.a. Health condition is not listed
  1. Patient selects other
  2. System prompts for health condition name
  3. Patient enters in the name of the condition

13.a. Patient enters invalid email address

1. The system request patient to enter a correct email
2. Patient enters correct email

15.a. Patient provides invalid password
1. System requests patient to enter a valid password
2. Patient enters correct password

#.a. The system fails
1. User exits and restarts the education

Details

Level	User Goal
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	N/A
Post-conditions	Patient account created
Author	Alejandro Navarro
Assumptions	Patient does not have a preexisiting account

Requirements

Different fields for different types of patient visits

Patient – User Interface

Access

Input

Data consistency

Easy file sharing

Initial Visit (Record Info)

Information

Rank   Unspecified

ID

Status   Unspecified

Justification

Primary Actors Patient, Health Care Provider

Suppporting Actors

Scenarios
Scenario

1. Patient walks into doctor's office for their appointment
2. Patient checks in and identifies themselves with to the staff
3. Staff check to see whether customer health sheet is complete
4. Staff will check doctor's availability
5. Doctor is available
6. Patient is sent to doctor
7. Doctor evaluates the patient
8. Doctor documents encounter following the Provider Notes procedure
9. Doctor orders test following the Order Test procedure
10. Doctor diagnosis the patient following the Diagnosis procedure
11. Doctor prescribes medication following the Patient Prescribe procedure
12. Doctor refers patient to another provider following the Referral Letter procedure

Extensions

2.a. Patient cannot identify themselves
  1. Patient is refused
2.b. Patient cannot identify themselves but has an appointment
  1. Patient logs into the system
  2. Patient checks into appointment through the system
2.c. Patient is a walk in
  1. Patient makes an appointment with the staff members
3.a. Customer health sheet is not complete
  1. Staff asks the patient to fill out the health sheet
  2. Patient logs onto the system and completes the health sheet
3.b. Patient health sheet is empty/incomplete
  1. Patient logs into system
  2. Patient fills any empty/incomplete sections of health sheet

5.a. Doctor is unavailable
  1. Staff gives patient estimate as to when doctor will be available
  2. Staff asks patient to wait in waiting room
9.a. No test are needed
  1. Doctor skips the order test procedure
10.a. No diagnosis is made
  1. Doctor skips the diagnosis procedure
11.a. No prescription is needed
  1. Doctor skips the patient prescribe procedure
12.a. No referral is needed
  1. Doctor skips the referral letter procedure
#.a. anytime system does not respond
  1. User will restart system

Details

Level	User goals
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	Login/Credential Verification
Post-conditions	Patient information is recorded.
Author	John Harrison
Assumptions	N/A

Requirements

Doctor-to-Patient

insurance code

Patient – User Interface

Input

Data consistency

Request patient information from another doctor

Information

Rank	Unspecified
ID	
Status	Unspecified
Justification	
Primary Actors	Health Care Provider, Other Healthcare providers
Suppporting Actors	

Scenarios
Scenario

1. System requests for other Doctor's name or id.
2. User enters in the doctor's information.
3. System displays the users found and asks whether the doctor the user are trying to access is correct.
4. User approves of the displayed information.
5. System retrieves the doctor information.
6. System prompts user for information that they want from the other provider.
7. User selects the information that they want from the other provider.
8. System displays the information requested from the other provider for confirmation from the user.
9. User selects confirm.
10. System send a request to the other provider asking for the desired information.

Extensions

2.a. User enters incorrect information
  1. Reply with an error message and to try again.
  2. User enters correct information.
  3. Go to 3 in main scenario.
4.a. User does not approve of the displayed information.
  1. Take user back to the number 1 of the main scenario
5.a. An error occurs retrieving the information
  1. Send error message to technician.
  2. Tell user to try again later.
7.a. Information desired is not an option
  1. User selects other
  2. System prompts user for the information

3. User enters in the desired information
9.a. Information displayed is not correct
   1. User selects restart
   2. Go to step 1
10.a. System cannot fulfil the request
   1. System displays error message to the user
   2. User can try again later
#.a. The system fails
   1. User exits and restarts the application.

Details

Level	user goals
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	Login/Credential Verification
Post-conditions	N/A
Author	Alejandro Navarro
Assumptions	User is a doctor

Requirements

Different fields for different types of patient visits

Doctor-to-Patient

Doctor Database

Look up

Access

Easy file sharing