

Hospital Registration System User Manual

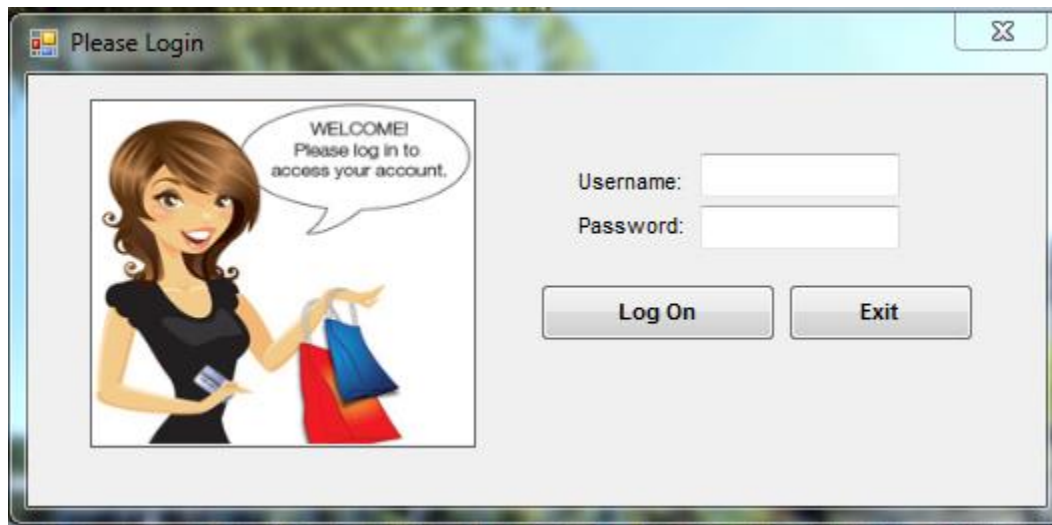
CSIS 3540 - Client Server Systems

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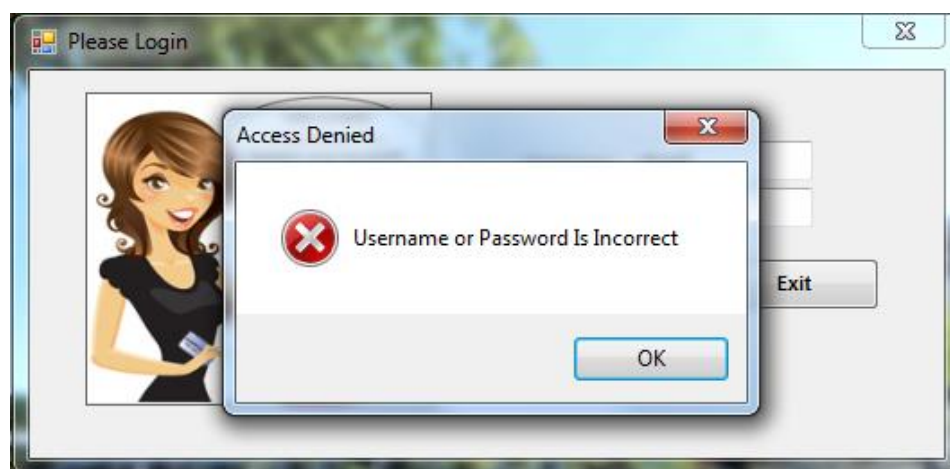
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Intro Login Page

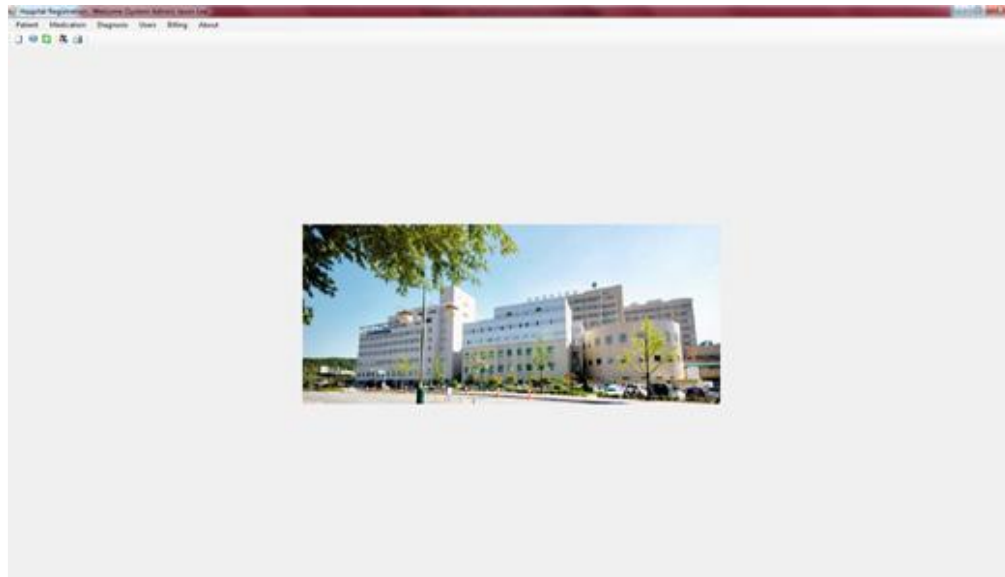


Log in Form:

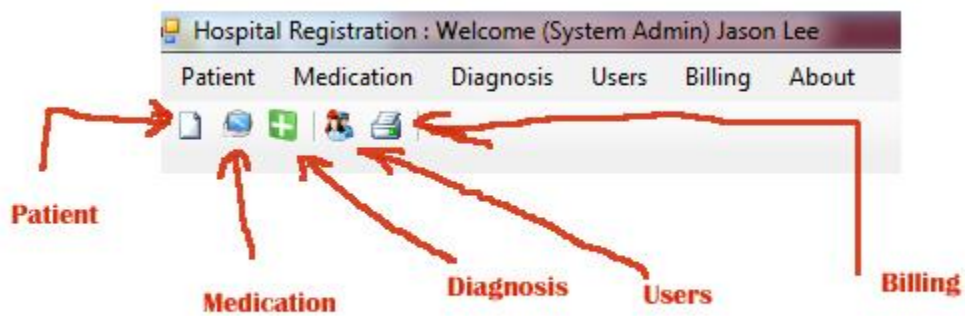
Must have an account to access the application. If a user clicks "Log On" button, a message will pop up if username and password don't exist. If a user clicks "Exit" button, the application closes.



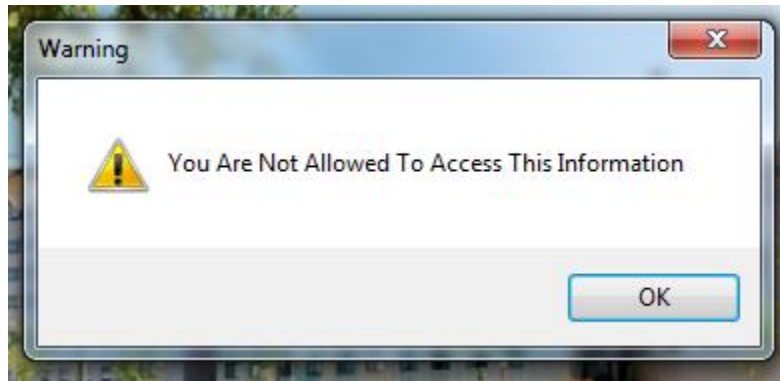
Main Window



Main window will show up, if successful log in.



Menu Strip commands also correspond to tool strip buttons.



Message Box will pop up if a user does not have an access to the menus or tool strips.

Users Access:

- Nurse user type – Can access Patient, Medication and Billing forms. They can also update their personal info. But, cannot view other accounts information
- Doctor user type – Can access Patient, Medication , Billing and Diagnosis forms. They can also update their personal info. But, cannot view other accounts information
- System Admin user type - Access and can view to everything except the Diagnosis form for confidentiality purposes. Only Doctors can add/update/view diagnoses of the patients

A screenshot of a web application window titled "Doctors And Nurses Accounts". The main heading is "User Accounts". Below it, a red error message states "You Dont The Rights To View Users' Information". The form contains several input fields: "First Name" (Rose), "Last Name" (Sims), "License No." (9238064), "Title" (Nurse), "Office No." (86-(229)716-861), "Account Type" (Doctor), "Username" (rose), "Password" (****), and "Re-type Password" (****). There are also "Gender" radio buttons (Male, Female) and a "Mobile No." field (30-(234)689-923). A "Department" field is empty. At the bottom, there are "Edit", "Reset", and "Exit" buttons. A "Note:" label is positioned above the buttons.

Doctor and nurse user types can only view and update their personal information. Some information are restricted to “System Admins” only.

The screenshot shows a window titled "Doctors And Nurses Accounts". Inside, there is a section labeled "User Accounts" containing a table with the following data:

	First Name	Last Name	Department	Disabled
▶	Frederick	Andrews	Sddasdas	No
	Johnny	Barnes		No
	Samuel	Barnes	Hello	No
	Lisa	Bennett		No
	Norma	Bishop	123	No
	Michelle	Bond		No

Below the table are several input fields and buttons:

- Search section: "First Name" and "Last Name" text boxes with a "Search" button.
- Form section: "License No.", "Title" (dropdown), "Office No.", "Account Type" (dropdown), "Username", "Password", and "Re-type Password" text boxes.
- Gender section: "Gender" label with "Male" and "Female" radio buttons.
- Mobile No. and Department text boxes.
- Disable? section: A blue box containing "Disable?" label and "Yes" and "No" radio buttons.
- Bottom section: "Note:" label and four buttons: "Add", "Edit", "Reset", and "Exit".

If log on as a “System Admin”, all users’ accounts can be updated. System admin can also add new user. However, there’s no delete. System admin can just disable or enable accounts. If the user’s account has disabled by the “System Admin”, the user cannot access the system.

Billing

Search Date Range

From: 2015-12-02 To: 2015-12-02 Submit

Search Name

First Name Last Name Search

freeman

Patient Names

	First Name	Last Name	Birth Date
	Donald	Freeman	1957/08/19
	Amy	Freeman	1967/04/11
▶	Bobby	Freeman	1943/06/11
	Martin	Freeman	1994/07/19

Results: 4 record(s) found

Diagnosis

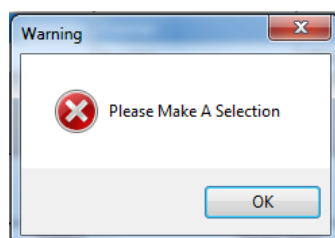
	Main	Subject	Doctor Name	Date
▶	Ams	Bone infect NEC-foream	Joyce King	2015/07/11

Results :1 found.

Print Clear Exit

Users can search using date ranges by clicking the from and to date pickers. User s can also search by patient's firstname and/or lastname. But, upon loading, patients' names are displayed filtered by whatever is the date today(date today is the default).

When clicking the patient's name, the diagnosis/diagnoses related to the patient's name will load up. It can be one or more diagnoses will be displayed arrange according to latest date.




Upon clicking the “Print” button, message box will pop up, if you did not select one of the diagnoses.

If successful, print form or report viewer will be displayed.

Patient Billing / Receipt

1 of 1 100% Find | Next



Douglas Hospital

09-Jul-2015

Diagnosis Code: 527

Name: Bobby Freeman

Address: 603 Saint Paul Street

Medication Name	Quantity	Price / Unit	Sub Total
STANDARDIZED KENTUCKY (JUNE) B	1	24.97	\$24.97
VIAGRA	1	50.55	\$50.55

Consultation: \$500.00

Total: \$575.52

CSIS 3475 (Client Server)

With this form, user has the option to either print the form as a receipt or save to file as pdf file.

Diagnosis Form

The following procedure illustrates the adding of a patient diagnosis:

The image displays two screenshots of the 'frmDiagnosis' application window, illustrating the steps for adding a patient diagnosis.

Left Screenshot (Step 1-4):

- Search Records:** Patient ID: 66, Patient First Name: , Patient Last Name: . (1)
- Search:** Button to execute the search.
- Record Details:**
 - Patient ID: 66, Patient First Name: Jeremy, Patient Last Name: Welch, Height: 153, Weight: 70, Blood Type: A, Blood Pressure: 171, Body Temperature: 37, Doctor ID: 2, Doctor First Name: Nancy, Doctor Last Name: Crawford, Date: 11/30/2015. (3)
 - Diagnosis ID: 1001, Diagnosis Title: new record for diag, Diagnosis Subject: Jimmy is ill, Allergic History: foot allergy, Treatment Description: , Extensive Stay: ☐.
 - Medication Name: , Medication Cost: 0.00, Consultation Fee: , Total Cost: . (4)
- Buttons:** Update, Clear, Add New Record, Exit.

Right Screenshot (Step 5-7):

- Search Records:** Patient ID: 50, Patient First Name: , Patient Last Name: .
- Search:** Button to execute the search.
- Record Details:**
 - Patient ID: 50, Patient First Name: Kimberly, Patient Last Name: Hayes, Height: , Weight: , Blood Type: , Blood Pressure: , Body Temperature: , Doctor ID: 2, Doctor First Name: Nancy, Doctor Last Name: Crawford, Date: 12/3/2015.
 - Diagnosis ID: , Diagnosis Title: , Diagnosis Subject: , Allergic History: , Treatment Description: . (5)
 - Extensive Stay: ☐.
 - Medication Name: , Medication Cost: 0.00, Consultation Fee: 0.00, Total Cost: 0.00. (6)
- Buttons:** Update, Clear, Save New Record, Exit. (7)

- 1- First start with Searching for the Patient in question. Search can be performed either by patient ID, Patient FirstName and LastName. or a combination of the First and Last Name only.
- 2-Clicking on "Search" will result in the population of the Datagrid above. This will list that patient with past diagnoses if applicable.
- 3-Choosing either of these Diagnosis records will copy all the fields to the record details section.
- 4-Clicking on "Add new record" will clear the records: Height, Weight, Bloodtype, Blood Pressure and Body Temperature.
- 5-Diagnosis Title, Diagnosis Subject, Allergic History and Treatment Description. Extended stay will be unchecked, Consultation fee and Total Cost will be reset to "0.00". The user is able to enter the diagnosis specific information in these fields. Furthermore the Update button will be disabled and the "Add New record" will disappear.
- 6-The user can select the medicine name that is applied to that diagnosis using the medication form button displayed with " . . . " on it.

*Additional note: Instead of adding a new record the user can choose to update an existing one. After clicking on an existing record in the search results the values will be copied to the form and the user can choose to change the values and click on “Update”. After clicking on “Update” the new values will overwrite the previous ones.

The following procedure illustrates the adding of medications to the Diagnosis form.

[illegible]

- 10

- additional notes: When “done” is clicked the medications are copied to the diagnosis form. the medication cost is automatically copied to the form so that the user can calculate the costs. if a multiple medications are selected these will be displayed as a comma separated string in the “Medication Name” field. The user can fill in the consultation fee and the total cost for the diagnosis will be calculated.
- After clicking “Save new record” on the Diagnosis form a new record will be created.

Patient Registration Form

Patient Registration

Patient ID	First Name	Last Name	Gender	BirthDate	Phone Number	Emergency Contact	Emergency Contact Number	Blood Type	Address
1	Jesse	Hayes	M	5/19/1932	1-(502)394-8214	George	54-(192)372-7245	AB	781 Portage Alley
120	Jesse	West	M	8/28/1972	48-(750)897-1834	Steven	351-(684)844-0880	A	35 McBride Cent
217	Jesse	Conner	M	3/6/1988	61-(332)787-2275	Paul	267-(454)56-2057	A	6571#... Cent

6 records found..

Search ID, FirstName And/Or LastName Add Update Clear Exit

Form Fields:

- Patient ID: 1
- First Name: Jesse
- Last Name: Hayes
- Birthdate: 1932/05/19
- Phone Number: 1-(502)394-8214
- Emergency Contact: George
- Emergency Contact Number: 54-(192)372-7245
- Blood Type: AB
- Address: 781 Portage Alley
- Email: ghayes0@google.co.uk
- Insurance Number: 49348-266
- Insurance Company: 65692-0273
- Nationality: United States
- Government Benefits ID: 107-43-0084
- Gender: ☒ Male ☐ Female
- Government Benefits: ☒ Yes ☐ No
- Status: ☒ Active ☐ Inactive

- 1 - double click on row header in datagridview to select wanted patient and data will be retrieved from datagridview and fill into textfields. So it will be ready for edit and update to the database.
- 2 - Information retrieved from database into datagridview when user enter patient ID, or First Name, or Last Name in those textfields and click search.
- 3 - Buttons control, when user enter all the fields except the ID field and click add, a new record will be added into database. Clear button will clear all the textfields and reset radio buttons to their default.

Add/Edit Medication Form

The screenshot shows a window titled "Medication" with a green title bar. Inside, there is a data grid and a form below it.

	Medication ID	Medication Name	Dosage	Prescribed	Stock Level	Cost
▶	4	Flounder	Two (2x) A Day	False	7	88.66
★						

Below the grid is a form with the following fields and controls:

- Medication ID:
- Medication Name:
- Dosage:
- Stock Level:
- Cost:
- Prescribed: ☐ True, ☒ False
- Connected:

At the bottom of the form are four buttons: Search, Add, Update, and Clear.

Numbered annotations in the image:

- 1: Points to the Cost field in the form.
- 2: Points to the first row of the data grid.

1 - Enter Medication ID, or name and click search to retrieve data of that medication from database into datagridview.

2 - double click on the row header in datagridview to choose the record that you wanted, and it will fill all the textfields with data. From there you can edit the information in the textfields then click update to update the information into database. fill all the textfields except the ID field and click add to add new record of medication into medication table in the database.