Hospital Registration System User Manual
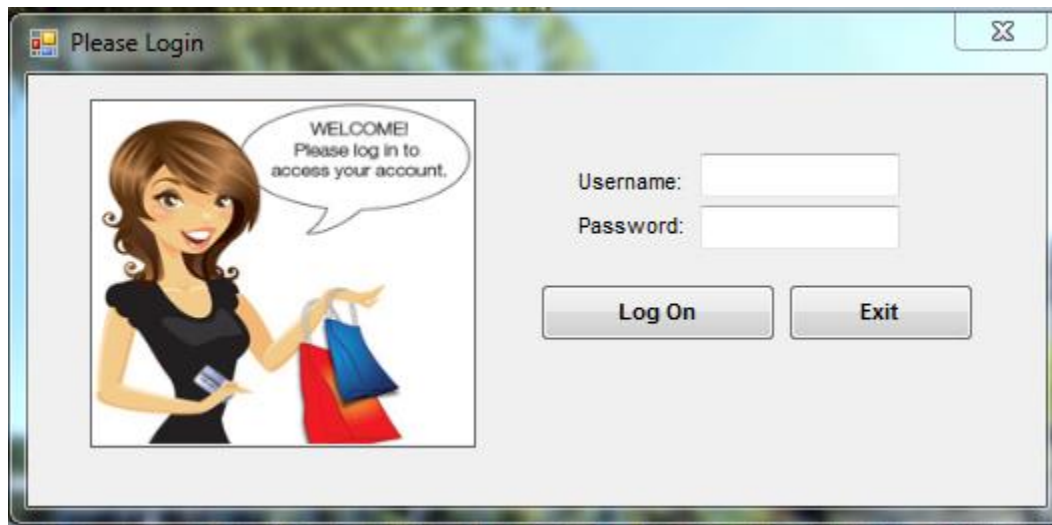
CSIS 3540 - Client Server Systems

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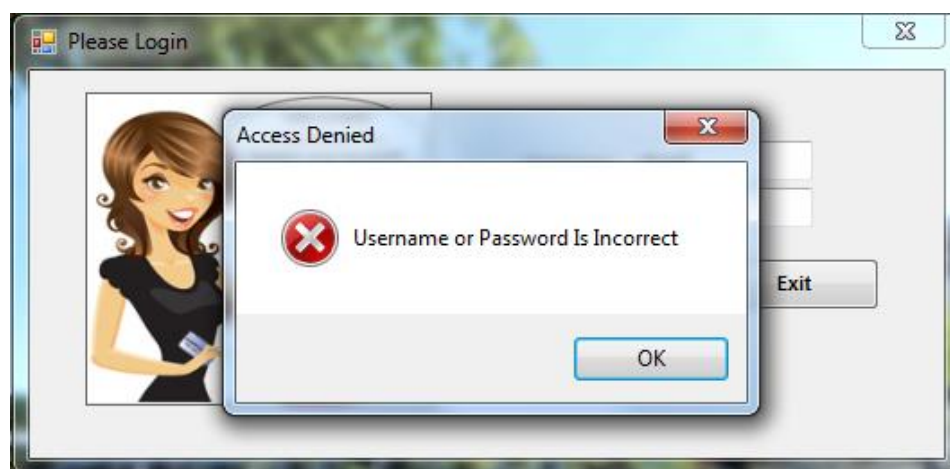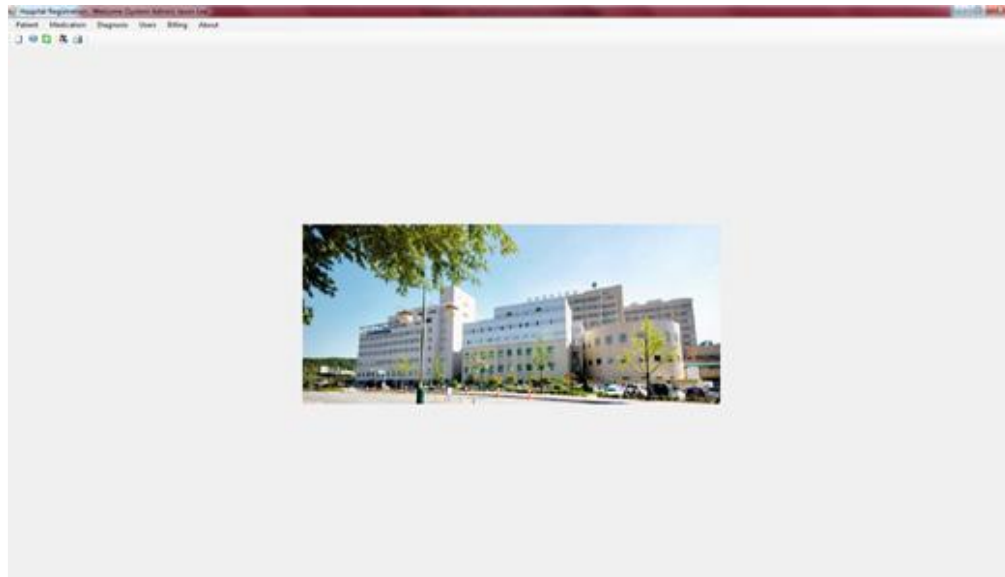# Contents

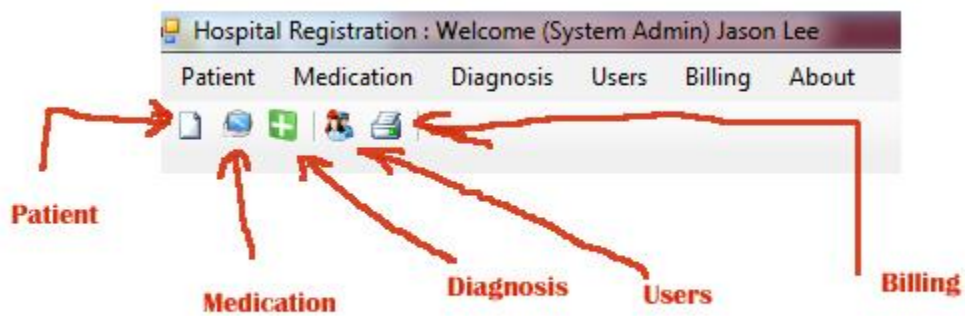# Intro Login Page

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 exists. If a user clicks "Exit" button, the application closes.
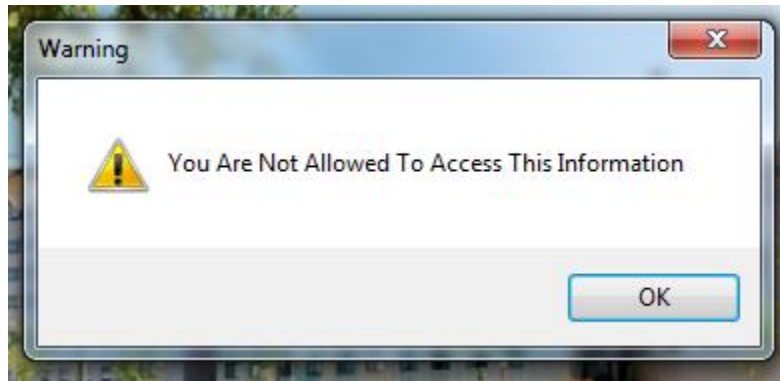
Main Window

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
- Syste 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

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

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.

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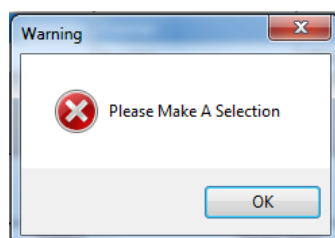
Upon clicking the "Print" button, message box will pop up, if you did not select one of the diagnoses.

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

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:

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.

7-The "Save New Record" will appear instead and the user will be able to save the filled in information to the database.

*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.

Medication Form

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

-1 The user can choose the medication from this list. The user can also search for medication alphabetically.

-2 Once medication is selected it will appear here. The user can double check if the medication is in stock and specify the quantity. When the user is done the button "add" can be clicked and the items will be listed in the "Items Ordered" list.

3- in this list the currently ordered items can be viewed.

4- The user has the option to remove the selected item and add a new one.

5- When the user is done the order can be confirmed by clicking the "done" button.

6- The user can begin from the start or exit the form.

- 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

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

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.