**3. Subsystem Services**

3.1. Design Patterns

3.2. User Interface Subsystems

3.3. Reservation Subsystem Interface

3.4. Detailed System Design

3.2. User Interface Subsystems

User interface subsystem provides our software system with graphical system components.

Main Panel Class

Attributes:

Private JButton customer:When the user first enter the system by the help of this button user can indicate that he is a customer.

Private JButton manager: When the user first enter the system by the help of this button user can indicate that he is a manager.

Constructor:

public mainPanel(): This method initializes the first interface sttaing two buttons in the system which indicates the user is a customer or a manager.

Methods:

public void actionPerformed(ActionEvent e): This method determines what is going to happen when customer selects “customer” button or “manager” button.

Manager Sign Panel Class

Attributes:

Private JLabel password: This label shows just a text that in the next JTextField user should enter his password.

Private JTextField pw: This text field helps manager to enter his password to take action in the system.

Private JButton next: This button evaluate the trueness of the password, and if its true pass the manager to the next page.

Constructor:

public managerSignPanel(): This panel shows the password text place and the informative text inside.

Methods:

public void actionPerformed(ActionEvent e): This method determines what is going to happen when customer selects “next” button after writiring the password correctly.

Finding Room Panel Class

Attributes:

Private JLabel checkin: This label shows just a text that in the next JTextField user should enter his check-in day, month and year.

Private JLabel checkout: This label shows just a text that in the next JTextField user should enter his check-out day, month and year.

Private JLabel numberOfCustomer: This label shows just a text that in the next JTextField user should enter his number of customer that is going to accommodate in the room.

Private JTextField day: This text field offer to the user to sekect the day that isgoing to check-in/out in the hotel.

Private JTextField month: This text field offer to the user to select the month that isgoing to check-in/out in the hotel.

Private JTextField year: This text field offer to the user to select the year that isgoing to check-in/out in the hotel.

Private JButton search: When the user complete all the check-in/out and number of customer information this button starts the search process.

Private JButton main:When the user complete or does not complete the seacrh criterias he can turn back to main menu by the help of this buton.

Consturctor:

public findingRoomPanel(): This panel shows the criterias and the selection options to the user to ask.

Methods:

public void actionPerformed(ActionEvent e): This method determines what is going to happen when customer selects “next” button after writiring the password correctly.

NotFound Panel Class

Attributes:

Private JLabel text: This label includes necessary information about the the search process.

Private JButton main: This button helps user the turn bak to main menu after the search process competed unsuccesfully.

Consturctor:

public notFoundPanel(): This panel holds the information in the text to inform the user and holds a button insace the user wants to turn back to menu.

Methods:

public void actionPerformed(ActionEvent e): This method determines what is going to happen when customer selects “main” buttonthe seacrh process completed unsuccesfully.