*Working of the application*

*The application consists of five dialogs with desirable properties out of which three get displayed on the front end depending on the user being a customer or a hotel manager. When you press shift f6 or click Run button on toolbar to execute the program, the required dialog(home page) appears.*

*When the user is a customer, on clicking on ‘Proceed to booking’ button, the dialog box pertaining to the room and stay details is displayed which consists of appropriate textfields for the user to enter his details and the user has to select a desirable price range from the combo box displayed ,then on clicking on ‘know details’ button the room details corresponding to the selected price range is displayed in a table. All the records with rooms having prices in the required range are searched from the MySQL database and displayed. ’Empty table’ button clears all the displayed data from the table.*

*On clicking on ‘Proceed’ button, a third dialog appears whose purpose is the booking and billing transactions. Here, the customer enters all his required details along with the number of days for stay and the room number of the desired room .On clicking on ‘Load price’ button, the corresponding price of the room is loaded in the textfield from the MySQL table of the hotel’s database.*

*The dialog displays three radiobuttons for the customer to specify the mode of payment. After he selects any one radiobutton (mode of payment) and clicks on ‘Calculate Net Payable Price’ button, the total price, tax%, tax amount and net payable price is calculated and displayed.*

*On clicking on ‘Book Room’ button, a pop up message appears asking for the confirmation of the room booking. When customer clicks on YES button, another message pops up showing a Thank you message. Clicking NO button will also show another pop up in the same way displaying ‘Thank you’ and then taking to the first frame (home page)of the program. Else, clicking on OK button would close the dialog and take back to the main frame again.*

*When the user is a manager, clicking the ‘Manager’s login’ button,a second dialog pertaining to manager login appears.After the manager enters the correct password and his ID,clicking the ‘LOGIN’ button will open a third dialog for ‘Manager’s work page. In this third dialog,the manager enters a room number and clicks on ‘Search’ button which will load the data (subrooms,room type,additional feature and price) from the MySQL table into the textfields.*

*The ‘UPDATE’ button will modify or change the records from the MySQL table permanently according to the manager’s requirements.The ‘DELETE’ button will delete or remove the records from the database’s table of the hotel. For both UPDATE and DELETE buttons, a JOptionPane dialog appears as pop up message asking for the manager’s confirmation and then a ‘Thank you’ message appears as a pop up again.*

*‘RESET’ button will clear the all data displayed from the textfields thereby allowing the manager to re-enter the data and load again from the MySQL table. ’EXIT’ button closes the dialog and opens the first frame (home page).*