```java
package project;

import java.util.List;

/* This is inherited class from AbstractTableModel and this will act as Model for the Table */
public class MyModel extends AbstractTableModel {

    private static final long serialVersionUID = 1L;
    List<Participant> tableData;
    String[] tableHeaders;

    public MyModel(List<Participant> tableData,String[] tableHeaders){
        this.tableData=tableData;
        this.tableHeaders=tableHeaders;

    }

    public MyModel(){

    }

    public boolean isCellEditable(int rowIndex, int mColIndex) {
        return true;
    }

    public Class<? extends Object> getColumnClass(int c) {
        return getValueAt(0, c).getClass();
    }

    public void setValueAt(Object value, int row, int col) {
        //Participant p=tableData.get(row);
        fireTableCellUpdated(row, col);

    }

    public String getColumnName(int col) {
        return tableHeaders[col].toString();
    }

    @Override
    public void fireTableChanged(TableModelEvent e) {
        // TODO Auto-generated method stub
        super.fireTableChanged(e);
    }

    @Override
    public Object getValueAt(int row, int column) {
        // TODO Auto-generated method stub

        Participant p=tableData.get(row);
        switch (column){
        case 0:
            return new Integer(p.getId());
        case 1:
```

```
58              return new Integer(p.getAge());
59          case 2:
60              return p.getGender();
61          case 3:
62              return p.getEthnicity();
63          case 4:
64              return p.getOccupation();
65          case 5:
66              return p.getCountry();
67          case 6:
68              return p.getOrigin();
69          case 7:
70              return p.getEducation();
71          }
72          return "";
73      }
74
75      @Override
76      public int getRowCount() {
77          // TODO Auto-generated method stub
78          return tableData.size();
79      }
80
81      @Override
82      public int getColumnCount() {
83          // TODO Auto-generated method stub
84          return tableHeaders.length;
85      }
86
87      public void colUpdated(){
88          fireTableDataChanged();
89      }
90
91      public void addRecord(Participant p){
92          int rowCount=getRowCount();
93          p.setId(rowCount+1);
94          tableData.add(p);
95          fireTableRowsInserted(rowCount, rowCount);
96
97      }
98
99      public void addRecord(int rowCount){
100         fireTableRowsInserted(rowCount, rowCount);
101     }
102
103     public void removeRecord(Participant p){
104         int rowCount=getRowCount();
105         tableData.remove(p);
106         fireTableRowsDeleted(rowCount-1, rowCount-1);
107
108     }
109
110     public void removeRecord(Participant p,int rowCount){
111         tableData.remove(p);
112         fireTableRowsDeleted(rowCount, rowCount);
```

```
113
114     }
115
116     public void setTableData(List<Participant> participantList){
117         this.tableData=participantList;
118     }
119
120     public String[] getTableHeaders() {
121         return tableHeaders;
122     }
123
124     public void setTableHeaders(String[] tableHeaders) {
125         this.tableHeaders = tableHeaders;
126     }
127
128     public List<Participant> getTableData() {
129         return tableData;
130     }
131
132
133
134
135 }
136
```