**package** edu.cnm.deepdive.healthtracker.mainfragments;  
  
**import** android.content.Context;  
**import** android.net.Uri;  
**import** android.os.Bundle;  
**import** android.support.v4.app.Fragment;  
**import** android.view.LayoutInflater;  
**import** android.view.View;  
**import** android.view.ViewGroup;  
  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** edu.cnm.deepdive.healthtracker.MainActivity;  
**import** edu.cnm.deepdive.healthtracker.R;  
**import** edu.cnm.deepdive.healthtracker.entities.Allergy;  
**import** edu.cnm.deepdive.healthtracker.entities.Hospitalization;  
**import** edu.cnm.deepdive.healthtracker.entities.Patient;  
**import** edu.cnm.deepdive.healthtracker.helpers.OrmHelper;  
**import** edu.cnm.deepdive.healthtracker.helpers.OrmHelper.OrmInteraction;  
**import** java.sql.SQLException;  
**import** java.text.DateFormat;  
**import** java.text.ParseException;  
  
*/\*\*  
 \*  
 \*/***public class** HospitalizationFragment **extends** Fragment **implements** Button.OnClickListener {  
  
 **private** EditText **reason**;  
 **private** EditText **provider**;  
 **private** Button **admitDate**;  
 **private** Button **dischargeDate**;  
 **private** EditText **note**;  
 **private** EditText **hospital**;  
  
  
  
 **public** HospitalizationFragment() {  
 *// Required empty public constructor* }  
  
  
 @Override  
 **public void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 }  
  
 @Override  
 **public** View onCreateView(LayoutInflater inflater, ViewGroup container,  
 Bundle savedInstanceState) {  
 *// Inflate the layout for this fragment* View view = inflater.inflate(R.layout.***fragment\_hospitalization***, container, **false**);  
 Button addButton = view.findViewById(R.id.***save\_hospital\_record***);  
 addButton.setOnClickListener(**this**);  
 Button deleteButton = view.findViewById(R.id.***delete\_hospital\_record***);  
 deleteButton.setOnClickListener(**this**);  
 Button cancelButton = view.findViewById(R.id.***cancel\_hospital\_record***);  
 cancelButton.setOnClickListener(**this**);  
 **reason** = view.findViewById(R.id.***reason***);  
 **provider** = view.findViewById(R.id.***provider***);  
 **note** = view.findViewById(R.id.***note***);  
 **hospital** = view.findViewById(R.id.***hospital***);  
 **admitDate** = view.findViewById(R.id.***admit\_date***);  
 **dischargeDate** = view.findViewById(R.id.***discharge\_date***);  
 **admitDate**.setOnClickListener(**this**);  
 **dischargeDate**.setOnClickListener(**this**);  
 **return** view;  
 }  
  
  
  
 @Override  
 **public void** onAttach(Context context) {  
 **super**.onAttach(context);  
 }  
  
  
 @Override  
 **public void** onClick(View view) {  
 DatePickerFragment datePickerFragment;  
 Bundle bundle;  
 **switch** (view.getId()) {  
  
 **case** R.id.***admit\_date***:  
 datePickerFragment = **new** DatePickerFragment();  
 bundle = **new** Bundle();  
 bundle.putInt(DatePickerFragment.***DATE\_PICKER\_FIELD\_ID***, view.getId());  
 datePickerFragment.setArguments(bundle);  
 datePickerFragment.show(getFragmentManager(), **"datePicker"**);  
 **break**;  
 **case** R.id.***discharge\_date***:  
 datePickerFragment = **new** DatePickerFragment();  
 bundle = **new** Bundle();  
 bundle.putInt(DatePickerFragment.***DATE\_PICKER\_FIELD\_ID***, view.getId());  
 datePickerFragment.setArguments(bundle);  
 datePickerFragment.show(getFragmentManager(), **"datePicker"**);  
 **break**;  
 **case** R.id.***save\_hospital\_record***:  
 **try** {  
 OrmHelper helper = ((OrmInteraction) getActivity()).getHelper();  
 Hospitalization hospitalization = **new** Hospitalization();  
 hospitalization.setReason(*nullifyEmptyString*(**reason**.getText().toString()));  
 hospitalization.setHospital(*nullifyEmptyString*(**hospital**.getText().toString()));  
 hospitalization.setProvider(*nullifyEmptyString*(**provider**.getText().toString()));  
 hospitalization.setNotes(*nullifyEmptyString*(**note**.getText().toString()));  
 DateFormat format = DateFormat.*getDateInstance*();  
 hospitalization.setAdmitDate(format.parse(**admitDate**.getText().toString()));  
 hospitalization.setDischargeDate(format.parse(**dischargeDate**.getText().toString()));  
 Bundle args = getArguments();  
 **int** patientID = args.getInt(MainActivity.***PATIENT\_ID\_KEY***);  
 Patient patient = ((OrmInteraction) getActivity()).getHelper().getPatientDao()  
 .queryForId(patientID);  
 hospitalization.setPatient(patient);  
 helper.getHospitalizationDao().create(hospitalization);  
  
 } **catch** (SQLException e) {  
 **throw new** RuntimeException(e);  
 } **catch** (ParseException e){  
 **throw new** RuntimeException(e);  
 }  
  
 getFragmentManager().popBackStack();  
 **break**;  
 **case** R.id.***delete\_hospital\_record***:  
 *//****TODO pop up message "Are you sure?"* break**;  
 **case** R.id.***cancel\_hospital\_record***:  
 *//****TODO return to former screen* break**;  
 }  
 }  
 **public static** String nullifyEmptyString(String string){  
 **return** (string.equals(**""**) ? **null**: string);  
  
 }  
}  
  
 */\*\*  
 \* This interface must be implemented by activities that contain this fragment to allow an  
 \* interaction in this fragment to be communicated to the activity and potentially other fragments  
 \* contained in that activity. <p> See the Android Training lesson <a href=  
 \* "http://developer.android.com/training/basics/fragments/communicating.html" >Communicating with  
 \* Other Fragments</a> for more information.  
 \*/  
// public interface OnFragmentInteractionListener {  
//  
// //* ***TODO: Update argument type and name****// void onFragmentInteraction(Uri uri);  
// }  
//}*