This application support 2 orientation, Portrait (single-pane), and Landscape (multi-pane). Landscape, when click back button from selected room it will show blank pane on message pane. Portrait, when click back button from message page will return to list of rooms page.

I change "chatrooms.xml" layout of portrait mode by adding IndexFragment to LinearLayout. Then add ChatFragment to this fragment when room is selected.

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
android:orientation="horizontal"
android:layout_width="match_parent"
android:layout_height="match_parent">
        <fragment android:name="edu.stevens.cs522.chat.activities.IndexFragment"
          android:id="@+id/index_fragment"
          android:layout_weight="1"
          android:layout_width="0dp"
          android:layout_height="match_parent" />
</LinearLayout>
```

Also, I create another function in QueryBuilder for receiving bundle data for query. The data is the room name for query only message from specific room from provider.

```java
public static <T> LoaderManager executeQuery(String tag, Context context, Uri uri, int
loaderID,IEntityCreator<T> creator, Bundle bundle, IQueryListener<T> listener)
```

In this function, I have to call restartLoader for updating bundle data.

```java
lm.restartLoader(loaderID, bundle, qb);
lm.initLoader(loaderID, bundle, qb);
```