Dialogs

For completeness and awareness (not needed for project)

Dialogs are “pop ups” that demand attention and input from the user. They are displayed on top of the current activity.

Demo CriminalIntent(12) and show dialog for changing crime date

Menus

Person Activity (Go to Top)

Right-click on “app/src/main/res/menu” folder and select New -> Menu resource file

Show menu resource

Activity.onCreateOptionsMenu

Inflate menu, find items, configure items

Item.setTitle(“Title Text”);

Item.setEnabled(true/false);

```
public static void setIcon(Context context, MenuItem item,
                           Iconify.IconValue icon) {
       item.setIcon(new IconDrawable(context, icon)
                      .colorRes(R.color.menu_icon)
                      .actionBarSize()
       );
}
```

Activity.onOptionsItemSelected

Main Activity (Search, Filter, Settings)

Map Activity (Go to Top)

Map Fragment

```
public void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setHasOptionsMenu(true);
}
```

Fragment.onCreateOptionsMenu (different menus based on which activity it’s used in)

Fragment.onOptionsItemSelected

Navigation

Temporal navigation (Back button) vs. Hierarchical navigation (Toolbar Up Button)

Up Button: Go to previous activity in the activity stack (like Back button)

"Go to Top" menu item in MapActivity and PersonActivity: Pop activity stack all the way to the MainActivity (do not start new MainActivity instance, use the existing one)

"Re-sync Data" and "Logout" Operations: Pop activity stack all the way back to the MainActivity (start a new MainActivity instance instead of using the existing one)

Up Button

Display "Up" button:

1. Activity onCreate():
    a. `getSupportActionBar().setDisplayHomeAsUpEnabled(true);`

"Up" button clicks handled in onOptionsItemSelected:

```
public boolean onOptionsItemSelected(MenuItem item) {
     switch (item.getItemId()) {
          case android.R.id.home:
               finish();
               return true;
```

Calling finish() terminates the current activity, pops it off the activity stack, and returns to the previous activity on the stack.

Go to Top

Return to MainActivity, do not start a new MainActivity instance

```
Intent intent = new Intent(context, MainActivity.class);
intent.setFlags(Intent.FLAG_ACTIVITY_SINGLE_TOP |
                Intent.FLAG_ACTIVITY_CLEAR_TOP);
context.startActivity(intent);
```

See Javadocs for Intent.FLAG_ACTIVITY_CLEAR_TOP and the following Stack Overflow article:

http://stackoverflow.com/questions/3217942/android-intent-flag-activity-single-top-and-intent-flag-activity-clear-top

"Re-sync Data" and "Logout"

Return to MainActivity, start a new MainActivity instance

```
Intent intent = new Intent(context, MainActivity.class);
intent.setFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
context.startActivity(intent);
```