JÖNKÖPING UNIVERSITY

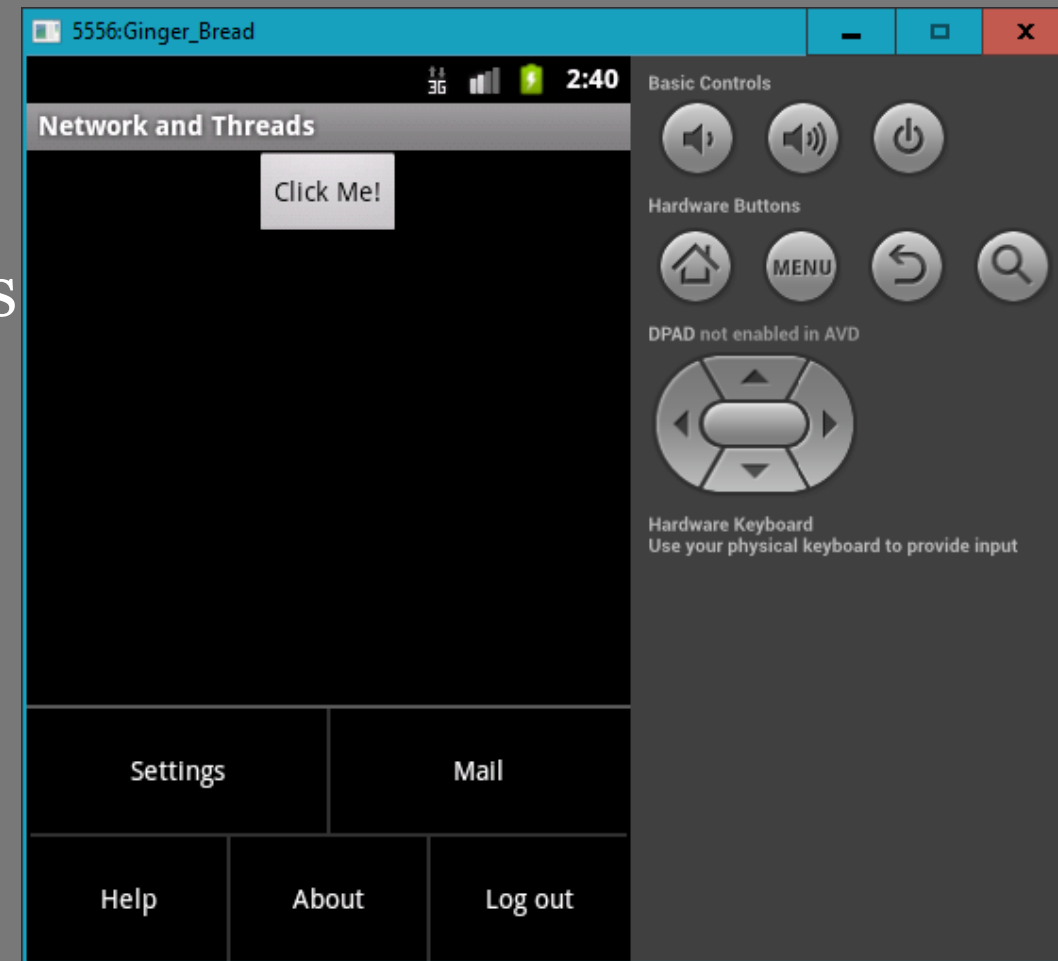*School of Engineering*

ANDROID APP BAR
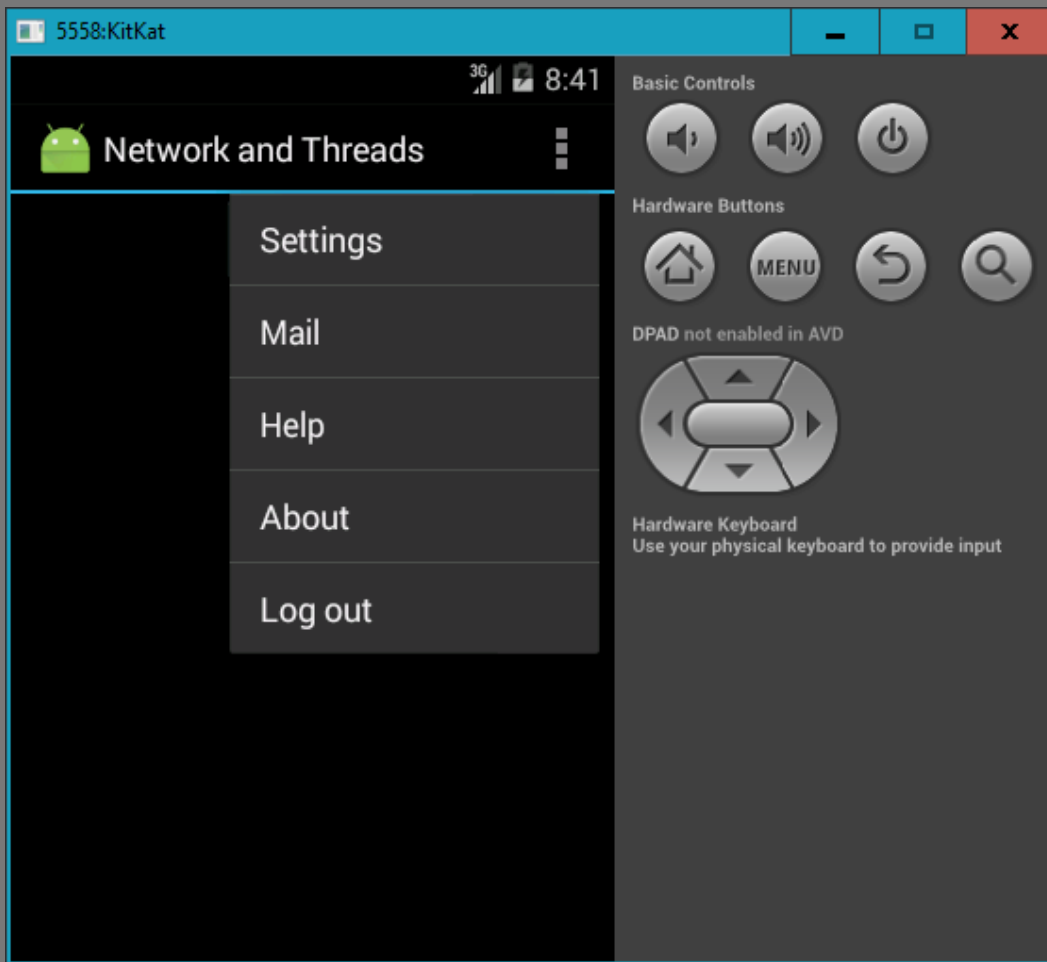
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HISTORY

First Android applications had the *title bar*.

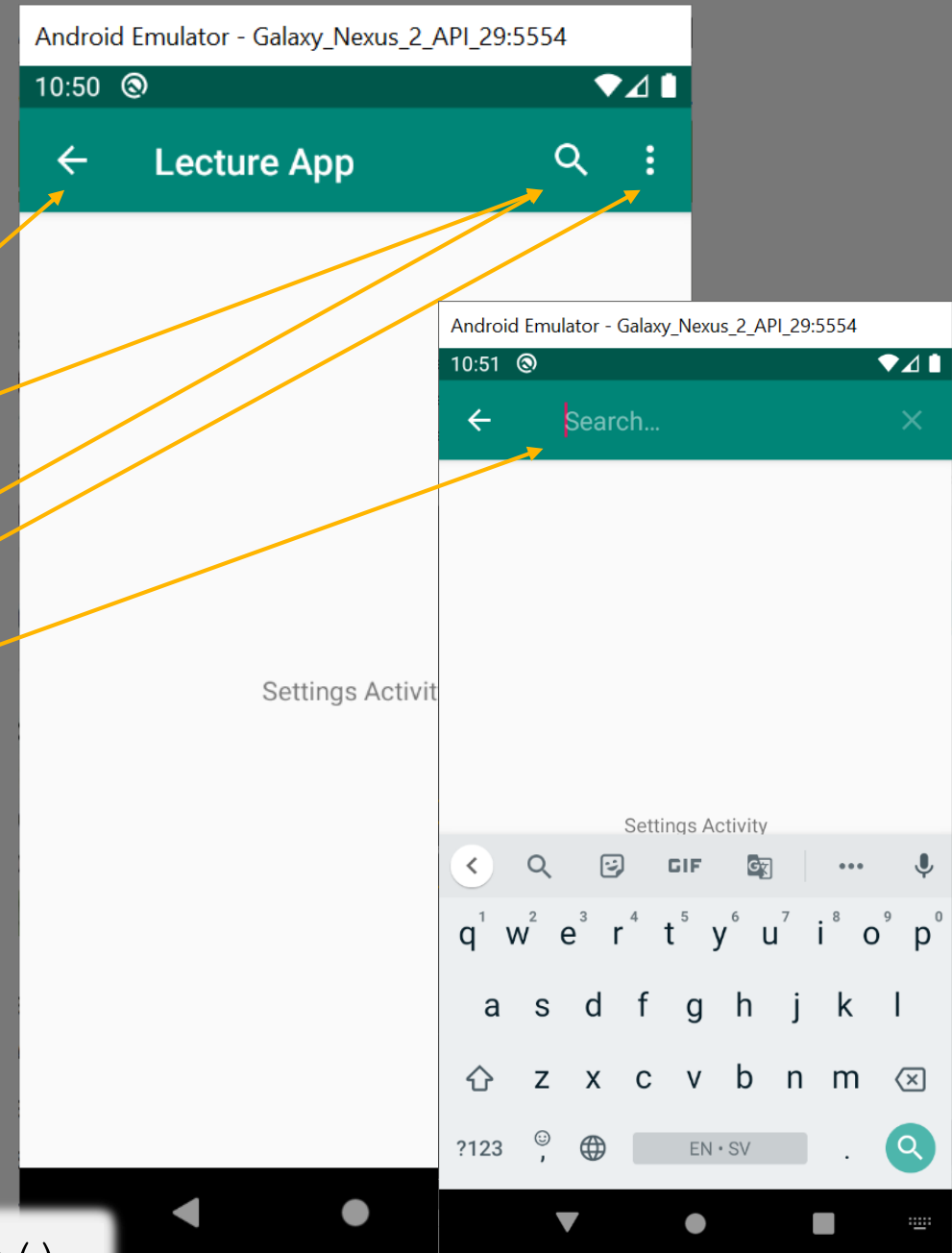In Android 3, the title bar was replaced by the *app bar*.

THE APP BAR

Can contain:

- The options menu:
  - Menu items as "buttons".
  - Menu items in the overflow menu.
- The ← ("up") action.
- Action Views, e.g.:
  - SearchView

Get reference to it:

```
anActivity.getActionBar()
```

```
anAppCompatActivity.getSupportActionBar()
```

THE ← ("UP") ACTION

Should take the user to the "parent" activity.

- Should not exist in the main activity.

- Clicking on it repeatedly should take the user to the main activity.

- Enable it in the activity's `onCreate()`:

  ```
  actionBar.setDisplayHomeAsUpEnabled(true)
  ```

- Specify the parent activity in the Manifest file:

  ```
  <activity android:name=".LifecycleActivity"
      android:parentActivityName=".MainActivity">

  </activity>
  ```

  ```
  <meta-data
      android:name="android.support.PARENT_ACTIVITY"
      android:value=".MainActivity" />
  ```

Android Emulator - Galaxy_Nexus_2_API_29:5554

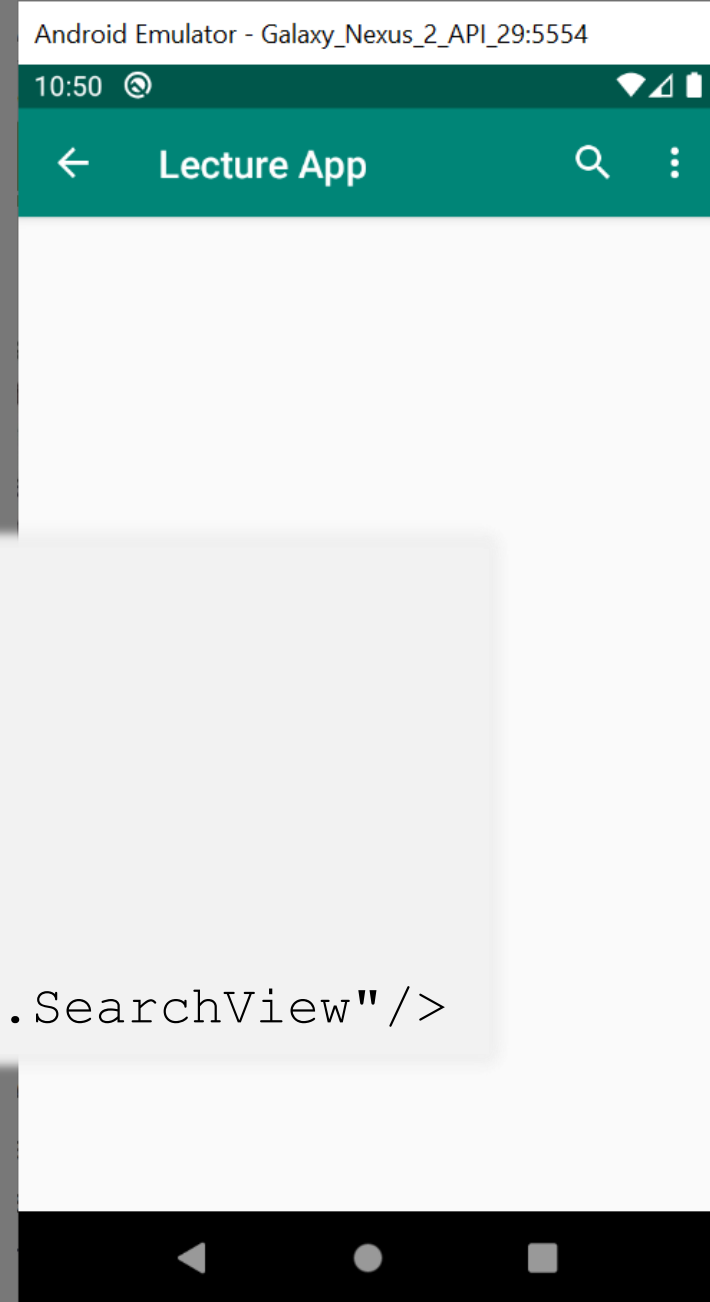10:50

← Lecture App

Settings Activity

THE SEARCH VIEW

Convenient search widget for the user:

- Enable it in a menu resource file:

```
<item
    android:title="Search"
    android:id="@+id/search"
    app:icon="@drawable/ic_search_black_24dp"
    app:showAsAction="ifRoom|collapseActionView"
    app:actionViewClass="androidx.appcompat.widget.SearchView"/>
```

THE SEARCH VIEW

Convenient search widget for the user:

- Enable it in a menu resource file.
- Configure it in `onCreateOptionsMenu()`:

```
MenuItem searchItem = menu.findItem(R.id.search)
SearchView searchView = (SearchView) searchItem.actionView
searchView.setQueryHint("Search something")
searchView.setOnQueryTextListener(new SearchView.OnQueryTextListener{
    boolean onQueryTextChange(String newText){ }
    boolean onQueryTextSubmit(String query){
        searchItem.collapseActionView()
    }
})
```