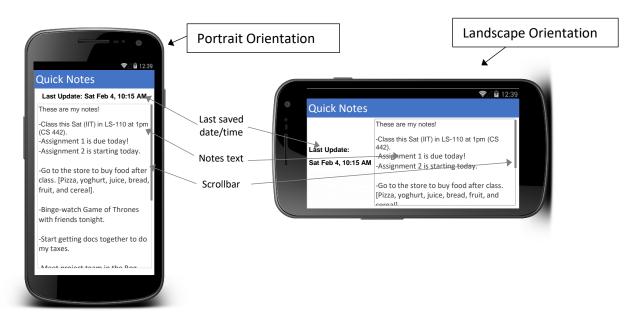ILLINOIS INSTITUTE
OF TECHNOLOGY

CS 442: Mobile Applications Development
Assignment 2 – Note Pad

Your assignment is to create a Note Pad app as described below.

Uses: File System, State Saving, Alternate Landscape Layout

App Requirements

- The app should act as a simple note pad, allowing the user to enter text notes.

- The note pad should display the last update date/time (which is the last save date/time – this should be saved when the note is saved - not entered or editable by the user).

- Note text (and the saved time) should be automatically saved when the user presses the back arrow, home button, etc. – any time the app goes into the Paused state.

- Note text (and the saved time) must be saved to the device's *internal* file system. You can use either XML, JSON or Externalization to do this – the choice is yours but no other options can be used.

- Note text (and the saved time) should be automatically loaded when the app goes into the Resume state.

- If no saved data file is present, the app should start with no text and the current date/time displayed as the Last Update time. This situation should not results in any errors.

- The note text on the screen should have a scroll bar, because the text entered can be longer than the displayed area.

- The app must use a *different layout* for landscape orientation (different than the portrait orientation layout) – shown below. All data content must be present in both portrait and landscape orientations.

- Contents and practices discussed in class must be followed.

- The below is an example of how the app *should* look. Note, you do NOT need to make yours look *exactly* like this, but the content here is limited to try to keep variation minimal.