## Progress Report – Smart Coffee Table

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Up to this point, we have completed a fair amount of the graphics work necessary for our final product and essentially all of the raw data collection. We have successfully gathered news via an RSS feed, weather information and forecasts from Weather.com, and calendar events/email from a Google account we created for this assignment. The driver graphics module, "display.py" requests the data and uses it to populate the display.

*What we have now:*

- Background .gif image (of the Earth)

- Emails:
  Displays basic information on 4 most recent emails, including message content

- News:
  News box displaying 3 news headlines gathered from the World RSS feed of NYT

- Weather:
  Weather data from Weather.com for today and tomorrow's conditions and high temperature

- Calendar:
  Displays times of upcoming calendar events and event titles

*What we still need to do:*

- Dragging ability and rearrangement for widgets
  We will edit the different widgets so that the user can rearrange them around the objects on their table. We will also have a "place coffee" button where the user will be able to touch the place where they will put their cup of coffee and the widgets will rearrange themselves

- Improvement of overall look and feel
  We will edit the graphics so the fonts are cleaner looking and everything is sharp. We will also add images for the widgets, such as the logo of the New York Times for the news section and weather icons for the forecast.

- Fleshing out data
  We will add a full week weather forecast, as well as the content of the news stories, and we will format the calendar events more cleanly.

- Addition of case/fingerprint sensor

We need to build our case and configure the fingerprint sensor to activate the program. We will also add a simple push to "wake up" the display and prompt finger print authentication.