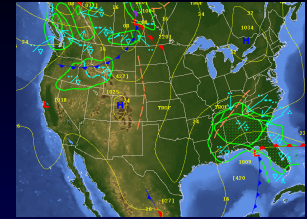


Weather Client – Your AM Profile



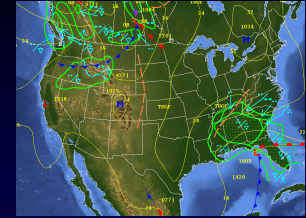
By
Ajay Kang, Varun Verma
CISE - Univ. Of Florida



CIS 6930 - Mobile Computing
Spring 2001



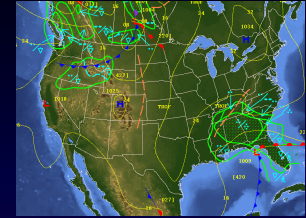
Weather Client?



I. Weather Data

- Any Location – City, State OR Zip.
- Current Conditions – Description, Temperature, High, Low.
- Extra Data – Sunrise, Sunset, Humidity, Apparent Temperature, Dewpoint, Visibility, Barometer, Wind.
- 5 Day Forecast – Description, High, Low

Your AM Profile?

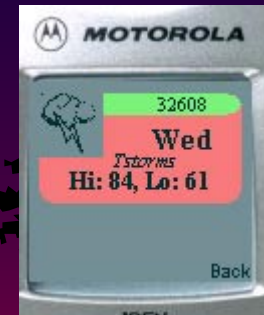
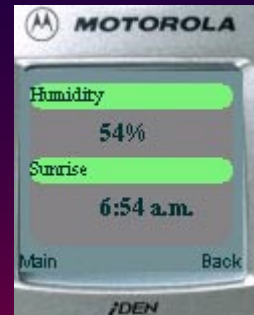
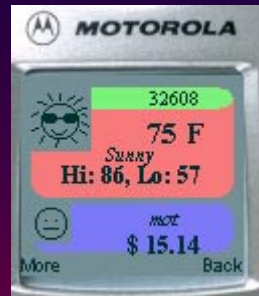


II. The AM Profile

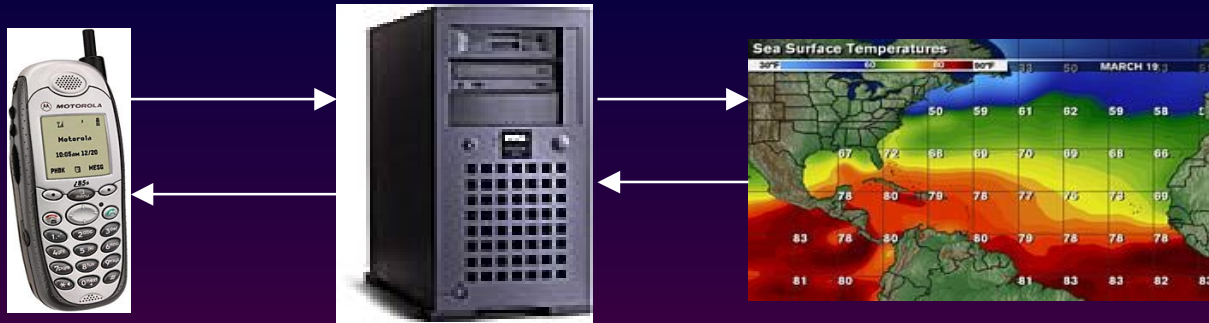
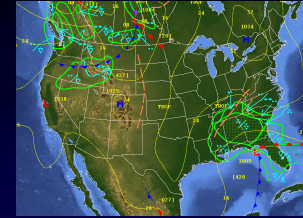
- Default location for weather data.
- Preferred 'extra' weather information.
- Extension of the word 'weather'!
 - ✓Horoscope
 - ✓Favorite Stock Value

III. Personalized Alarms – Notification from server on user specified weather conditions.

Snapshots

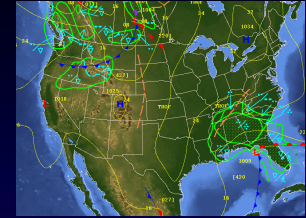


System Architecture



- ✦ Phone stores user Id which is sent from the server.
- ✦ Server retrieves data from information sources on the basis of profile for user Id.
- ✦ Server sends information to phone. Phone displays data, as graphics and numbers.
- ✦ Data pull from client on startup of weather app and on user information request.
- ✦ Server push on user event notification.

Implementation

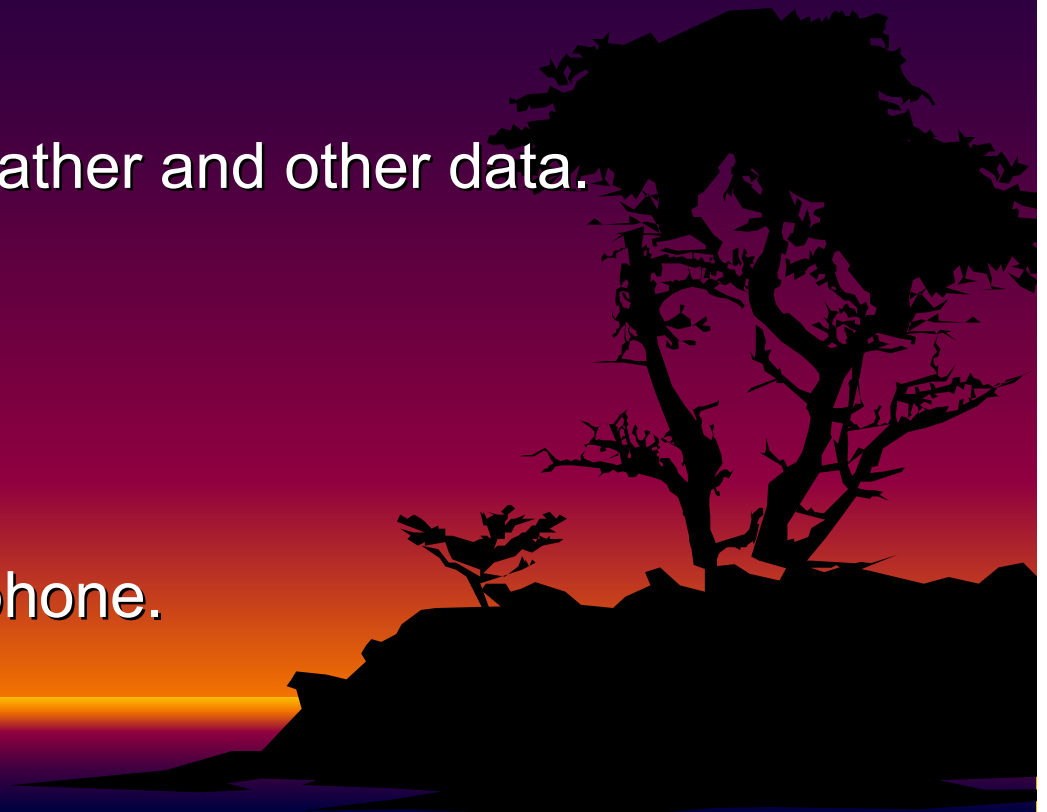


Man Hours – 350

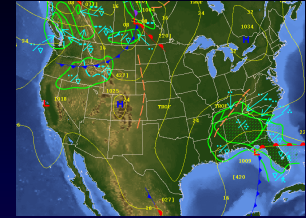
Code Size – 5000 lines.

Challenges –

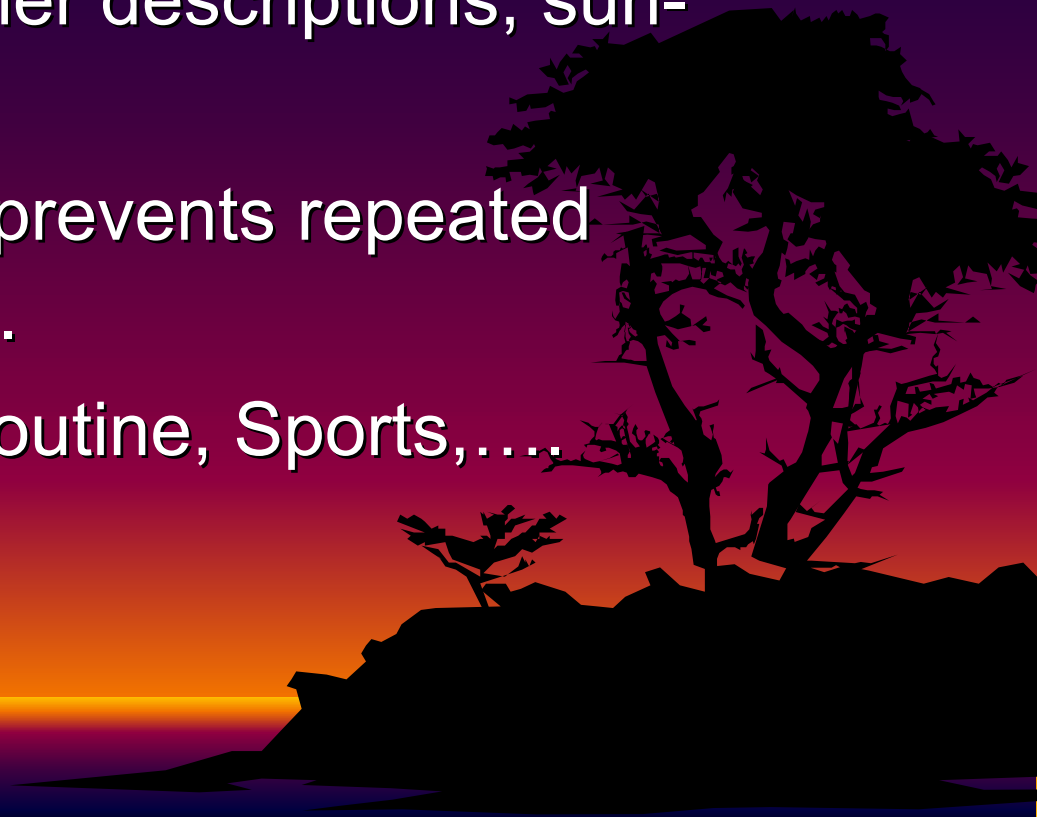
- Getting sources for weather and other data.
- Limited API of J2ME.
- Emulator vs. Phone.
- Graphics.
- Communication with phone.



USPs



- Its ALL Live! – Weather data, stock values, horoscope.
- Pretty Pictures! – Weather descriptions, sun-signs.
- User Friendly! – Profile prevents repeated data entry on the phone.
- Plan your activities! – Routine, Sports,....
- Be forewarned!



Watch the action!

