

CSCI 188 Project Proposal

[NFL Box Score Parser]

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Project Abstract

The NFL Box Score Parser is a J2ME MIDlet that pulls NFL data from an online server (in XML format) , parses the data and displays the box scores for a particular week (e.g week 4). Box scores are displayed with colorful graphics/images that mimic the look and feel of popular sports news franchises such as ESPN.

Strategy

The first step would be to create the application to run on a WTK 3.0 emulator and the port the application to one of the latest versions of Nokia phones. The application will developed using MIDP 2.0 built upon CLDC 1.1.

Unknowns & Problems

The major challenge in the development of this application will be getting live/recent box scores. In the event that live box scores cannot be accessed, previous season box scores will be uploaded (in XML) to a private server for use until live scores can be accessed. Once live scores are secured, the io pattern can be re-routed to the server with the live scores with minimal coding.

Implementation Plan

Steps for implementation are as follows:

1. Set up sever
2. Obtain and upload XML Box Scores
3. Code Sample MIDlets to test XML parsing from server
4. Develop helper classes for parsing
5. Design user Interface
6. Create MIDlet Suite
7. Integrate MIDlet Suite with helper classes
8. Developing IO connection classes
9. Test environments
10. Deploy MIDlet

Optional API's

1. Wireless Messaging API
2. XML API
3. KMXL API