

CARLETON UNIVERSITY

Department of Systems and Computer Engineering

SYSC 3101

Programming Languages

Group Presentation

Due date: Friday March 30th 2012 in class.

A common design for a web server is to have an application layer sitting on top of a database. The application layer services requests from browsers and creates web pages based on data in the database. <http://www.ottawaminorhoc> is a local site used to serve up schedules and results for house and competitive hockey teams in the Ottawa region. Alas, it was flash-based¹, so it wouldn't work on an *iPhone*, nor did it work particularly well on non-windows machines. It was also glacially slow.

Your job is to revamp the web server and replace the application layer with a new one². You have chosen _____ as your implementation language with MySQL as the backend database using Apache as the Web Server (i.e, the [WL]AMP stack³). Your task is to argue the superiority of this language for this task with particular reference to the language criteria from Chapter 2 of the text.

Time Table

March 16: <ul style="list-style-type: none">• Identification of learning issues.• Workload distribution.	March 21: <ul style="list-style-type: none">• Group Reporting.• Identification of new learning issues.• Workload distribution.
March 23: <ul style="list-style-type: none">• Recommendations.• Preparation of Handouts.• Workload distribution.	March 28: <ul style="list-style-type: none">• Finalize Presentations.
March 30 <ul style="list-style-type: none">• Presentations (10 mins each)	April 4: <ul style="list-style-type: none">• Review.

¹They saw the light and rewrote it all in PhP.

²You **do not** have to implement any code!

³[http://en.wikipedia.org/wiki/LAMP_\(software_bundle\)](http://en.wikipedia.org/wiki/LAMP_(software_bundle))

Group Process Document

Group Name: _____

Date: _____

Group Member	Contribution	Other Notes