

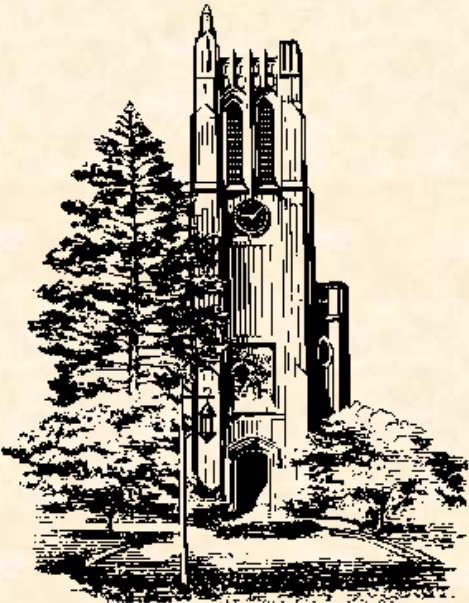
Technical Specification / Schedule People Finder Mashup Project

Team 6: GM
CSE 498, Collaborative Design

Jason Danielson
Mike Figurski
Kira Johns
Jim Karnes
Dan Sherman

Department of Computer Science and Engineering
Michigan State University

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Project Overview

- Develop a **Proof of Concept** application for expanding GM's current People Finder
- Develop and demonstrate a Java-based LDAP Lookup API
- Implement a pop-up API to extend the usability of People Finder
- Expand to auto-complete search functionality with LDAP Lookup
- Extend pop-up API to be applied through portal environments (if time permits)

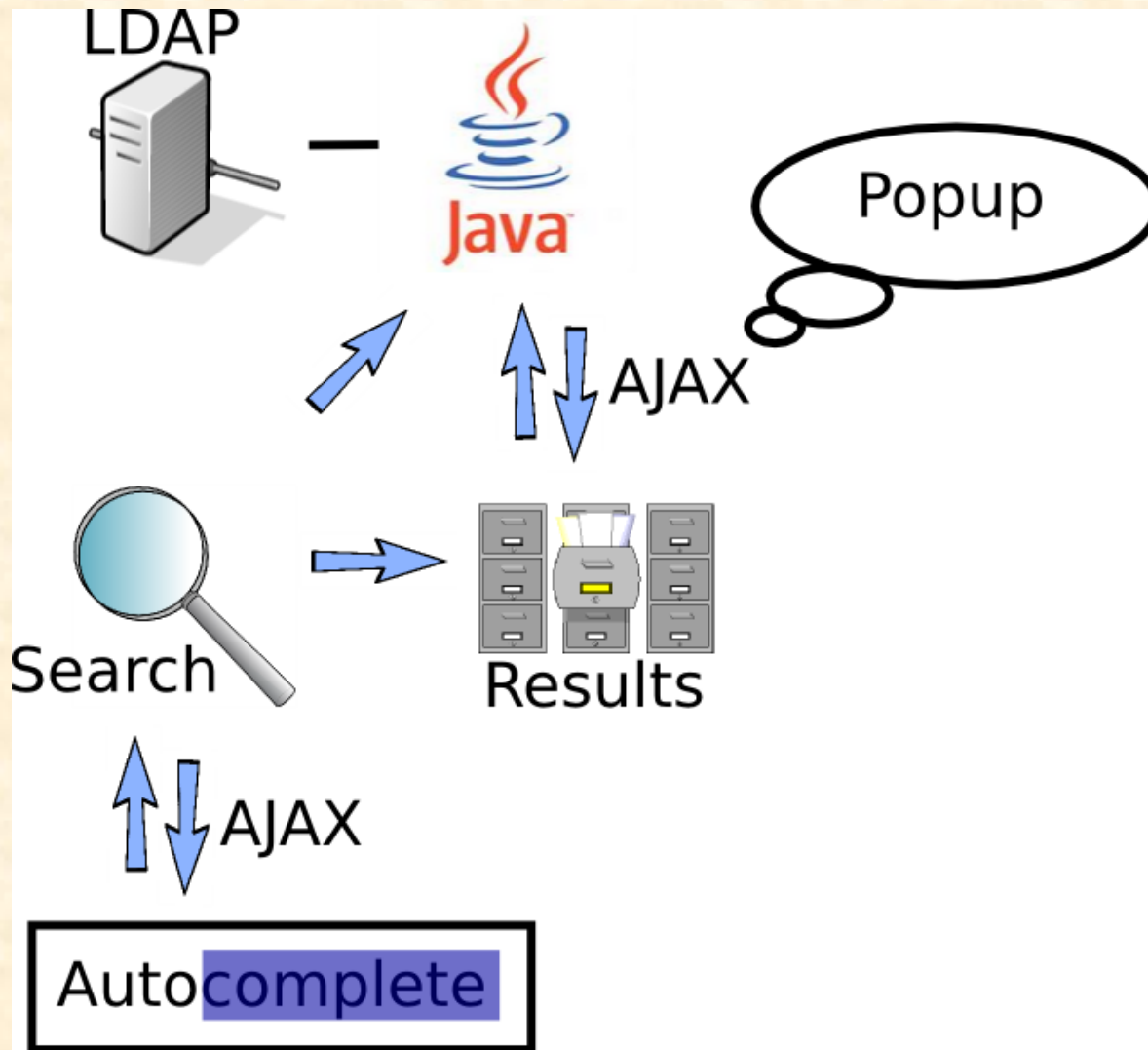


Architecture Components

- Hardware Platforms
 - Dual-CPU, 2x Pentium 4 2.8ghz
 - 1gb RAM
 - 80gb SATA hard drive.
 - Debian OS
- Software Platforms / Technologies
 - Sun Java System Directory Server (for LDAP)
 - Java
 - Apache Tomcat
 - AJAX
 - Sun Portal Server 7.x
 - Java Portlet APIs



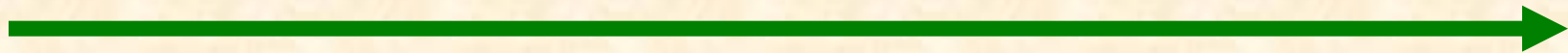
Architecture Illustrated



Team 6: GM



Risks



- TIME
- Learning Java / AJAX / JavaScript / XML successfully
- Integrating API's and individual functionalities
- Applying the developed API's to other external applications
- Applying the pop-up API configuration to a portal / portlet environment (if time allows)



Project Schedule

1. Elicitation of Requirements

Gather Specifications and Install needed technologies

Completed: 1.26.07

2. Requirements Document

Create an early version of the Requirements Document

Completed: 2.2.07

3. Develop LDAP Lookup API

Retrieve information from LDAP and return in HTML / XML

Goal: 2.9.07

4. Design and Develop Pop-up API

Request information from LDAP and utilize returned XML format from Java-based LDAP Lookup API

Goal: 2.16.07



Project Schedule

5. First Prototype

Demonstrate Java-based LDAP Lookup API through pop-up
Due Date: 2.19.07

6. Develop Auto-Complete Search

Query the LDAP to return the top 10 suggestions on each
character input
Goal: 3.2.07

7. Extend Functionality of Pop-up API to Portlets

Apply pop-up API / LDAP Lookup API to portlet environment
****if time allows****
Goal: 3.2.07

8. Second Prototype

Demonstrate auto-complete search that returns pop-up-on-
mouse-over results
Due Date: 3.19.07



Project Schedule

9. Finalize Project Functionality

Smooth over all functionalities

Goal: 3.30.07

10. Proof of Concept Demonstration

Demonstrate auto-complete search and pop-up functionality

Due Date: 4.9.07

11. Documentation

User manual, finalized technical specification, video demonstration

Goal: 4.20.07

12. Final Project Video Demonstration

Showcase usability of final product

Due Date: 4.23.07