

IPRO 317: Pervasive Training



*We're gonna train
the \$#%& out of you!*

Team Objectives

- *Understand current corporate training systems and how they could be improved*
- *Develop an innovative program of training that:*
 - *eliminates concerns with traditional programs*
 - *is innovative*
 - *is self-sustained and fully automated*

Traditional Training

- *Seminars*



Traditional Training

- *Retreats*



Traditional Training

- Online

The screenshot shows the BizLibrary website homepage. At the top is a navigation menu with links for Home, Courses, LMS, Services, About Us, Free Demo, Contact Us, BizBlog, and a Client Login button. Below the menu is a hero banner featuring a woman in a white blazer looking at a laptop. A quote from a VP of Human Resources states: "We increased our annual average profit per unit by strengthening management skills through our learning program." Below the banner, the main content area includes a paragraph about BizLibrary's role as a leading online training partner, a list of training categories (Business skills, Professional skills, Computer & IT skills, Online IT classes, Microsoft Office 2010, Health & safety, Legal compliance, Sexual harassment, Sales, Leadership, and New manager & supervisor training), and a mention of LMS and custom e-Learning content. On the right side, there is a video player for a client testimonial, a section for upcoming webinars (including "How to Convert Classroom Training Into e-Learning" and "Building Bench Strength: Trends in Leadership Development"), and social media links. At the bottom, there are three call-to-action buttons: "VIEW OUR COURSE CATALOG" with a stack of books, "SCHEDULE YOUR FREE DEMO" with a man on a phone, and "JOIN our E-NEWSLETTER" with a laptop.

Home Courses LMS Services About Us Free Demo Contact Us BizBlog Client Login

“ We increased our annual average profit per unit by strengthening management skills through our learning program. ”
VP of Human Resources

BizLibrary is the nation's leading online training and e-Learning partner for small and mid-sized organizations. Our affordable and flexible solutions deliver real business results.

Click on the links below to see how our online training and e-Learning solutions can help your organization with:

- Business skills training
- Professional skills training
- Computer & IT skills training
- Online IT classes
- Microsoft Office 2010
- Health & safety training
- Legal compliance training
- Sexual harassment training
- Sales training
- Leadership training
- New manager & supervisor training

We also provide technology solutions through our Learning Management System (LMS) and custom developed e-Learning content.

Listen to What Our Clients Have to Say

Upcoming Webinars
Upcoming FREE Webinars and CE Credit for Certified HR Professionals
1:00 p.m. Central Time:
How to Convert Classroom Training Into e-Learning 4-27-11
Building Bench Strength: Trends in Leadership Development 5-4-11
> view more events

Follow us at:

VIEW OUR COURSE CATALOG

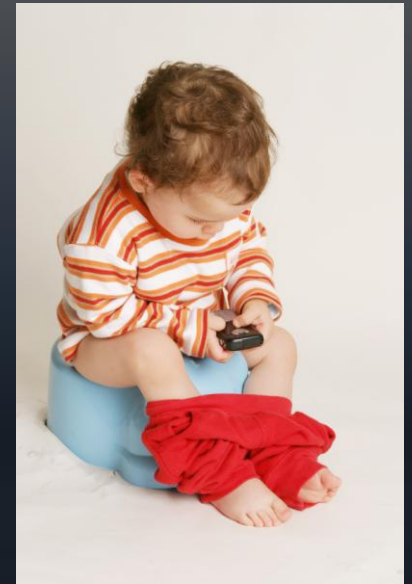
SCHEDULE YOUR FREE DEMO

JOIN our E-NEWSLETTER

Traditional Training

- *Restrictive*
Traditionally restricted to supervisor and management positions
- *Costly*
Thousands of dollars for off site training
- *Time consuming*
Takes workers away from their jobs for extended time periods.
- *General*
Not specifically targeted to an individual's needs.

Easy Access



Pervasive Training

- *Very low cost*
Due to web-based design of training program
- *Time efficient*
Training delivered through PDA devices and email
- *Available*
Open to all employees
- *Specific*
Tailored to the individual, based on anonymous co-worker and supervisory feedback.

Pervasive Training

- *Self-awareness based*
Employees receive feedback from the people who know them the best
- *Individually driven*
Employees determine what is important for their job

Pervasive Training

- *Helping companies become Learning Organizations where employee training and development are part of their everyday working life.*
- *Once a participating employee receives feedback training "nuggets" are sent via e-mail to hand held devices or laptops.*
- *Training nuggets provide encouragement in areas where the employee is doing well and tips on how to do better in areas where improvement is needed.*

Group Breakdown

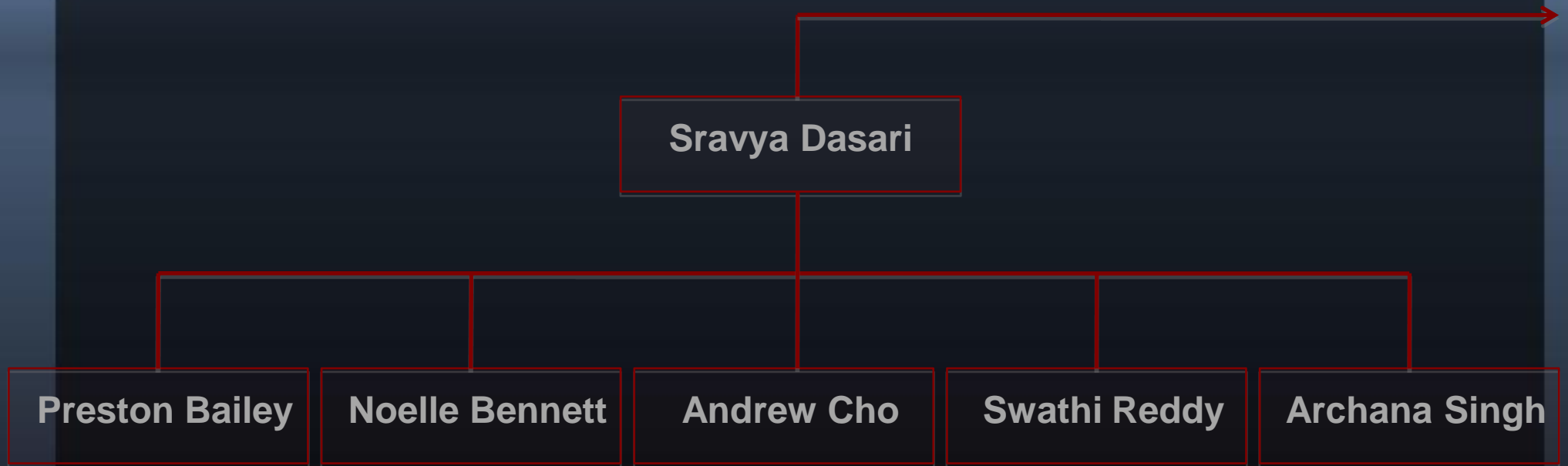


Research

Group Breakdown



Research Team Breakdown



Research Progress

- ❖ *Talk to individuals in the field of corporate training.*
- ❖ *Survey training procedures in close to 10 companies and compare our method of 'Pervasive Training'.*

Next...

- ❖ *Brainstorm and come up with the 10 themes of utmost importance.*
- ❖ *Figure out sub -themes for each theme and hence complete the questionnaire.*

And finally...

- ❖ *We came up with a set of Training 'nuggets' for each subtheme, supportive and constructive nuggets.*

Survey

Lets get started!

1.) Is a good listener?

Strongly Dissagree Dissagree Neutral Agree Strongly Agree

2.) Communicates openly and honestly with others?

Strongly Dissagree Dissagree Neutral Agree Strongly Agree

3.) Is condescending when dealing with others?

Strongly Dissagree Dissagree Neutral Agree Strongly Agree

4.) Thinks things through before speaking?

Strongly Dissagree Dissagree Neutral Agree Strongly Agree

5.) Talks too much?

Strongly Dissagree Dissagree Neutral Agree Strongly Agree

6.) Helps coworkers when needed?

Strongly Dissagree Dissagree Neutral Agree Strongly Agree

Areas of development:

Trust

Teamwork

Comm.

Ethics

People Skills

Communication to Raters

Ratings

2

3

2

1

1

Results
(All Raters)

14.5

20

13

10

7

KEY:

Green Zone = 17.6 – 25

Yellow Zone = 12.6 – 17.5

Red Zone = 5 – 12.5

Yellow Zone

Green Zone

Yellow Zone

Red Zone

Red Zone

No Improvement needed at this time

Show each item:
Green = 3.6 – 5
Yellow = 2.6 – 3.5
Red = 1 – 2.5

Items become training tidbits

LADDER

- * **Look at the other person.**
- * **Ask questions.**
- * **Don't interrupt.**
- * **Don't change the subject.**
- * **Express emotion with control.**
- * **Respond appropriately**

OTHER SAMPLE NUGGETS

Emerson said: 'Every man is my superior in some way. In that, I learn of him.' If that was true of Emerson, isn't it to be a thousand times more true of you and me?"



MAJOR ETHICAL ISSUES

- *GATHERING ACCURATE DATA*
- *MAINTAINING ANONYMITY OF INDIVIDUALS INVOLVED*
- *OBTAINING AN HONEST RESPONSE FROM INDIVIDUALS TAKING A SURVEY*
- *COPYRIGHT INFRINGEMENT WHEN USING LINKS AS NUGGETS*

WHAT WE DID ABOUT IT...

- *ADDRESSED AS RATER 1, RATER 2... TO MAINTAIN ANONYMITY.*
- *THE RATINGS ARE STORED IN A SPECIFIC FORMAT, AGAIN TO MAINTAIN ANONYMITY.*
- *NOBODY HAS ACCESS TO THE DATA COMPILED EXCEPT THE DATABASE ADMINISTRATOR.*
- *PERSON BEING SURVEYED IS ALLOWED TO CHOOSE WHO SHOULD SURVEY THEM.*
- *WE DOUBLE CHECK THAT ALL THE LINKS WE USE ARE NOT VIOLATING ANY COPYRIGHT LAWS.*

WHAT NEXT?

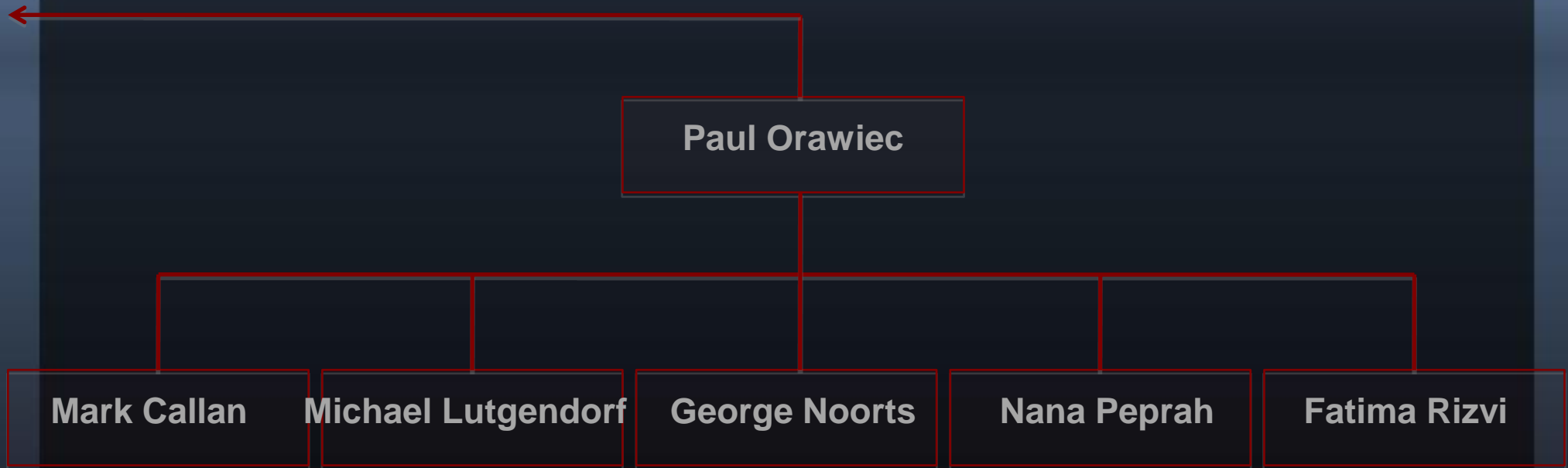
- *RESEARCH TO DEVELOP MORE TRAINING NUGGETS.*
- *GET MORE PARTICIPATION FROM BIGGER COMPANIES.*
- *MODEL IT FURTHER FOR EVEN LARGER SCALE INVOLVEMENT.*

Development

GROUP BREAKDOWN



Development Team Breakdown



Initial Goals

- *Collection and Implementation of user data.*

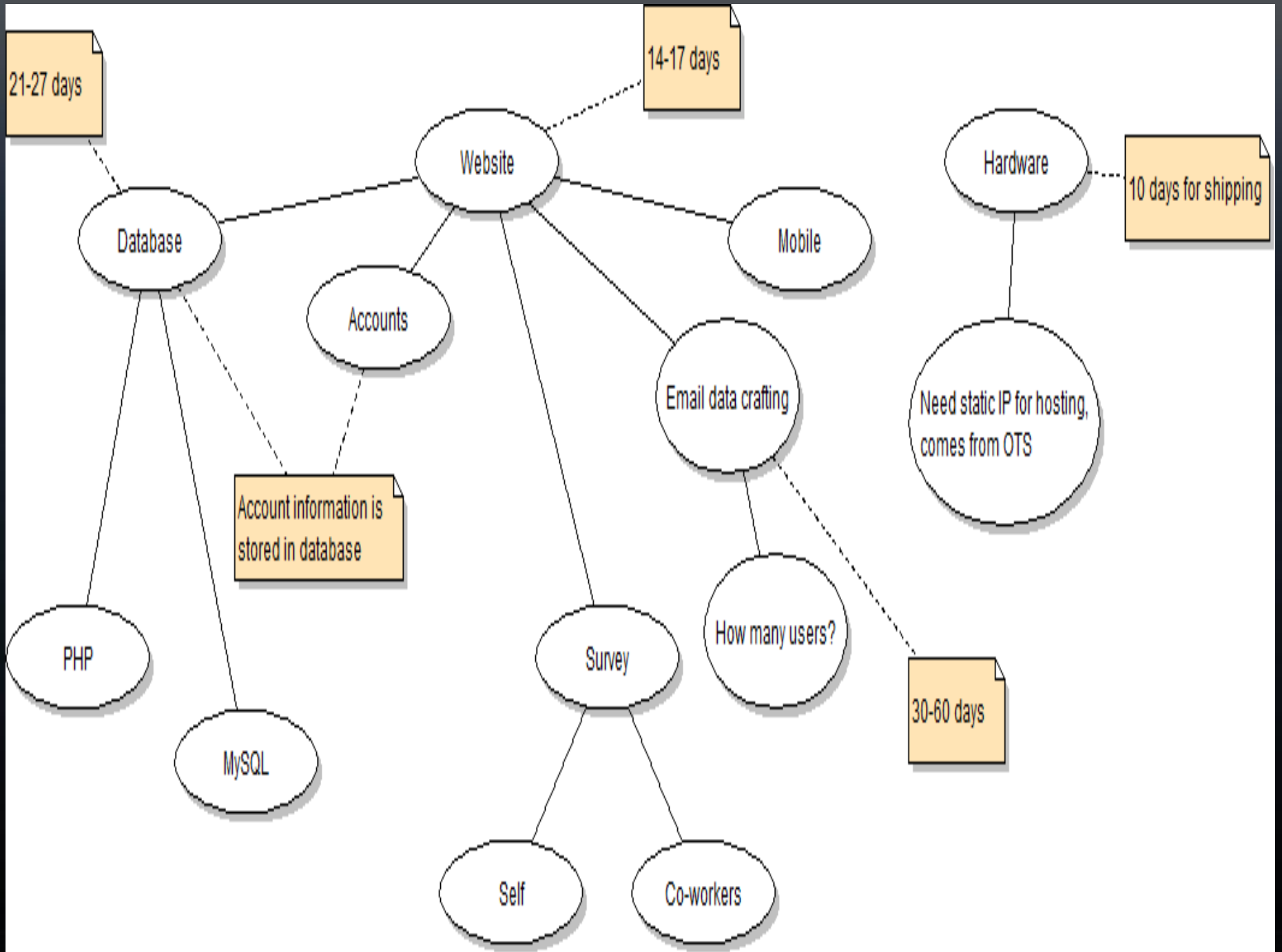
- *Integration of web functions with Database.*

- *Displaying user data as simplistically and seamlessly as possible.*

- *Figure out the best method of distribution. Mobile? E-mail? Just web?*

- *Field Tests- Epstein Global and an IIT Fraternity.*

- *Improvement of user experience from feedback.*



What We Accomplished

A near feature complete website running on Linux (Built entirely from scratch, and only begging for help mercifully once!) using:

MYSQL (a database language)

.php (A scripting language to produce dynamic web pages)

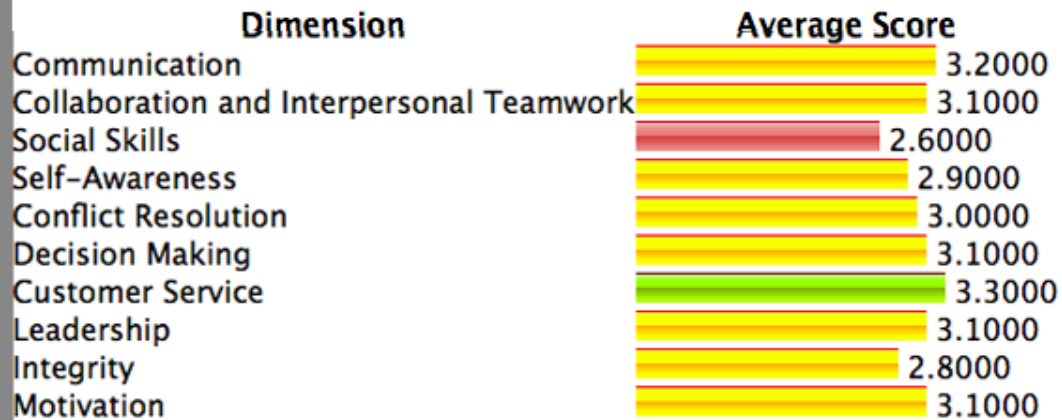
Various web development languages.

An e-mail distribution system in which people can send feedback for clients scoring, and a way to distribute client training "nuggets".

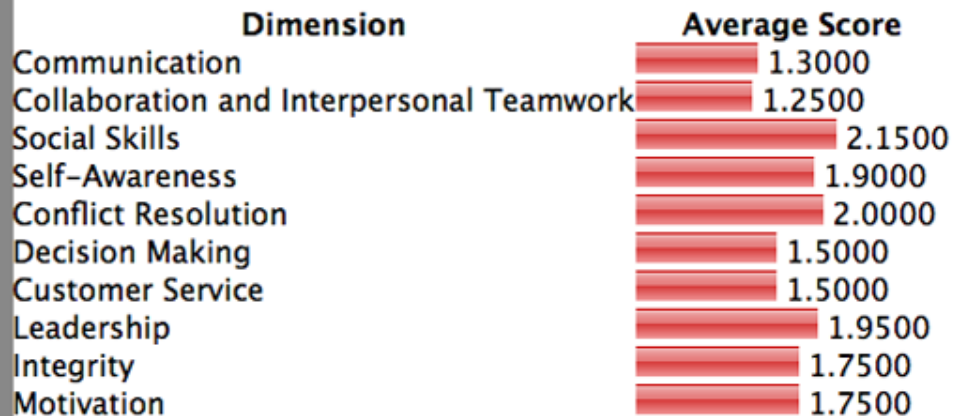
Results for Easter Bunny

Below shows an average score of how you were rated by peers.

Graph illustrated below show an average of your ratings per dimension.



Graph illustrated below show an average of how your peers rated you per dimension.



IMPACT

Web based distribution for training opportunities. (Ease of access)

Open to all levels for employees rather than just the top.

Tailored to the individual.

Lower cost.

Tracking of subjective quantifiable data. (The user can see if they've made any progress over time.)

Questions?