



WHO IS PARSONS BRINCKERHOFF?

Parsons Brinckerhoff (PB) is an engineering, construction, technical, and management services firm that provides diverse solutions to private industrial customers worldwide, as well as to federal, regional, and local government agencies. Gathering requirements and feedback from each of these stakeholders are imperative, but can be a challenge due to the stakeholders' diversity and location constraints.

OUR IPRO GOALS

Leveraging the existing technologies currently available in the marketplace enables the IPRO to create a team-networking solution that reaches more stakeholders and provides a richer, more enhanced venue for project collaboration.

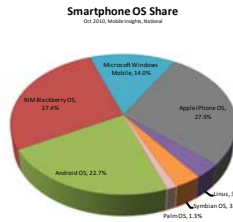
To provide a successful solution, this IPRO will storyboard the concept over the summer, prototype the concept during the fall and execute usability studies the prototype during the spring semesters.



FUTURE OF IPRO 320

- Create a working prototype
- Proceed coding

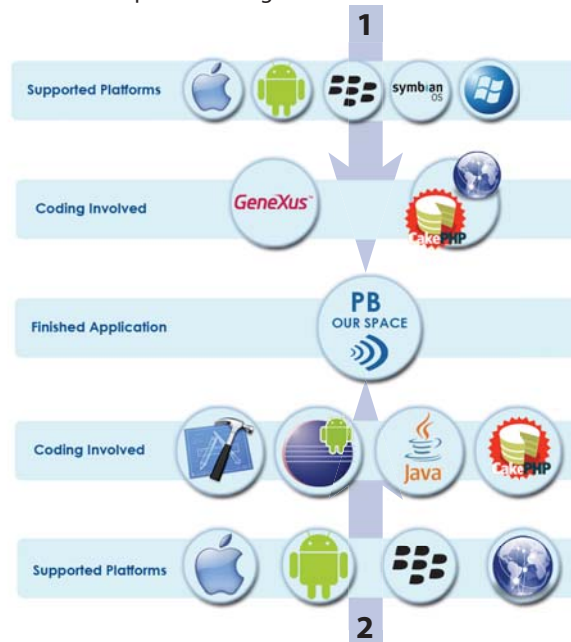
SMART PHONE MARKET



Our IPRO recommends designing for at least Apple (grey), Black Berry (red) and Andriod (green) because it continues to grow in the cell phone market as well as covers 80 percent of the market.

TWO CODING APPROACHES

- 1
 - Genexus + PHP
 - Codes for 93% marketshare smartphone (+symbianOS, Windows)
 - 2 separate codings



- 2
 - Xcode, Eclipse, Java, PHP
 - Coding for 80% of market share smartphone (BB, Android, Apple)
 - Four individual codings

A SPECIAL THANKS TO:

- Every member for their hard work and dedication throughout this semester.
- Tom Coleman and Parsons Brinckerhoff for their assistance.

IPRO 320

On-Line Dynamic Information Management
for Large-Scale Infrastructure Projects

PB OUR SPACE

GIVING EVERYONE A VOICE

Instructor: Laura Batson
PB Liason: Tom Coleman

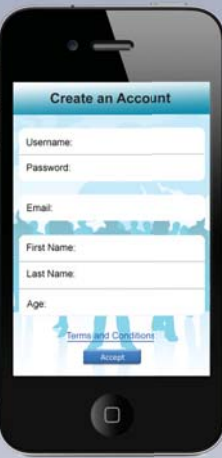
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APPLICATION

User Process:

- Recieve an access code
- Downloads App
- Logs in/ creates an account



Users Can:

- Take surveys
- Browse PB's current projects
- Contact PB via email, website, or customer services
- Post to blog/forum



Blog/Forum Allows Users To:

- See one another's opinions
- Post text, image, video, and audio files
- Reply to one another's comments

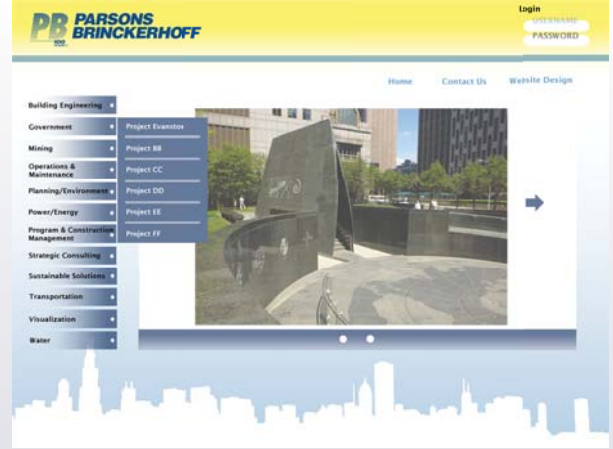
Similar to the PB Application, the website allows users to access the same functionality.

The forum for both the website and application are linked. If someone posts on the one device, other users can reply through a different access method.



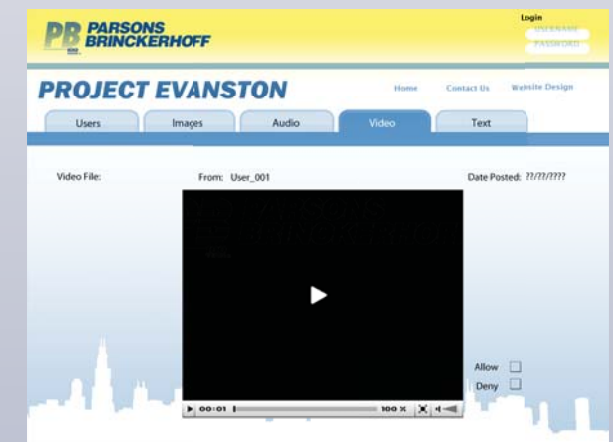
WEBSITE

The website allows for feedback from a range of users. Unlike the application, the website can be viewed on a personal computer. This provides more access to the public.



Database Stores:

- All projects by category
- All users connected with each project
- All multimedia posts by format



Administrative Website Allows:

- Moderator to view posts before they are put on the forum
- All media to be viewed and either accepted or rejected

DATABASE