Team Meeting

Interview Questionnaires

Designing and Building our Exhibit Space for IPRO Day

IPRO 334 TEAM
Spring 2007

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IPRO 334
Resource Consumption Awareness in the Home

Spring 2007
Problem:

• People are inadequately informed about their energy consumption behaviors in the home.

Objectives:

• Provide real time feedback at the point of decision making
• Helping consumers to be aware of their energy consumption habits.
• Design and evaluate a means of improving energy consumption awareness in the home.
• Determine what metrics are most valuable to consumers and the best means to communicate feedback.

Methodology:

The specific breakdown of the project process:
• Research: Business, Market, People
• Analyze and Synthesize Collected Information
• Develop Design Criteria Informed by Research
• Set Goals for Design
• Make Design for Prototype Meet Goals
• Test the Prototypes in Diverse Home Settings
• Interview Test Participants
• Analyze Test Results
• Determine Design Modifications from Test

Results/Conclusions:

• Initial hypothesis is accurate—people think this type of system is beneficial and desirable.
• Test users saw immediate potential for incorporating this into their lives.
• Iterative user testing helps to incorporate diverse features into a unified whole.

Obstacles:

• User/Consumer Buy-in
• System was undependable
• Lack of computer coding knowledge on team
• Failure of similar projects

Future Plans for the Project:

• Continued IPRO in Spring 2008
• Fix system errors
• Rethink prototype/feedback displays
• Gain insight about the point of decision making in the home
• Consider different types of feedback and their impact