







Design Exploration - Dos

- Ask users why they do things
- Ask what they expect to happen, before they do it
- Draw out their thoughts
- Find the reasons behind their answers
- Appear interested

Design Exploration – Don'ts Don't teach the user how to do it Don't explain design rationale Don't question the user's judgment Don't appear invested in the design Don't favor one design over another









Installation

- Hardware and software requirements
- Mockup of installation screens and procedure
- Mockup of configuration screens and procedure
- Questions for users
 - What would you normally do first? Next?
 - What are you thinking about as you do that?
 - Do you have the hw and sw requirements?
 - Would you have the necessary config information?

Getting Started

- List of possible learning resources
- Education courses and delivery mechanisms
- Mockup of First Steps wizard, tutorials
- Third-party books and education
- Questions for users
 - What would you normally do first? Next?
 - Would this get you started on your own work?
 - How do you normally learn a new product?
 - Which learning methods do you prefer?





Design Exploration Pitfalls

- Clueless user
- · Genius user
- Silent user
- Dominant user
- Meddling observers

Pitfalls - Clueless User

- Does not fit the user profile
- Does not understand the tasks
- Does not know where to begin

• What to do?

- Make sure it is not your bad design
- Try to make the best of it
- Cut your losses

Pitfalls - Genius User

- Completes all the tasks easily
- Second user does not participate, feels inadequate
- What to do?
 - Save the Champagne until after other users
 - Switch control of the user interface
 - Always have more tasks prepared



Pitfalls – Meddling Observers

- Tips the user
- · Intimidates user
- Makes inappropriate noises, laughs, snorts
- What to do?
 - Educate observers on etiquette and bias
 - Keep observers in a separate room

Inviting Observers Include members of the programming, writing, marketing, support and other teams in planning Send out a general invitation stating time and place, overview of what will be studied Provide personal invitations to key observers

Using Observers

- Provide them with same materials as user
- Provide them with questions being asked
- Ask them to take notes
- Separate room with one-way mirror or video feed, if possible
- Hold a debriefing meeting next day

Controlling Observer Reactions

- Include a usability specialist with observers
 "The user is an idiot" "Not like the users I know" Response: This user meets our profile
 - "This is a disaster users can't use this thing"
 Response: Don't assume all users are like this one
 - "I know how to fix that problem"
 Response: Wait until we see if others have problem
 - "We can put a note in the documentation for that" Response: We don't just want quick fixes

Design Exploration - Results

- General impressions and satisfaction
- Reasoning and approach to tasks
- Expectations and preferences
- Quotes from users
- Satisfaction and importance ratings

What's Important

- Explore early designs paper prototypes
- Ask the user lots of questions
- Focus on the total user experience
- Include lots of observers