Generative walkthrough

Worksheet

Activity:

You are now ready to shoot the redesigned version of your first Video Prototype. You should add at least six new interaction points that illustrate the use of socio-technical principles. Be sure to include co-adaptation and at least one, ideally more, of the other principles: situated action, rhythms and routines, peripheral awareness and distributed cognition.

Situated Action:

Users go beyond planned activities; and act in unforeseen circumstances

1. Emergent action: User behavior emerges in specific situations, regardless of the plan.

2. Co-located artifacts: Objects next to each other offer opportunities for situated action.

Rhythms & Routines:

Build upon routine activities and spatial patterns that affect users' daily lives

1. Biological rhythms: External factors influence when we are hungry and feel sleepy.

2. Temporal routines: We often perform the same activities at the same times of day.

3. Spatial routines: We often perform the same activities in the same places.

Peripheral awareness:

Design for both focus and context; assume varying degrees of awareness and engagement.

1. Focused attention: People may concentrate on highlighted or important information.

2. Peripheral awareness: People remain aware of background information.

Distributed Cognition:

Let objects and other people reduce cognitive load "outside the head" for memory or communication tasks

1. Memory aids: Physical objects form part of our memory, enabling us to successfully forget, since we can return to the object to retrieve the information.

2. Boundary objects: People may share the same object, but interpret them differently. The same object can have multiple meanings to different people.

Coadaptive Systems:

Expect users to re-interpret and customize; Enable capture and sharing of customizations.

1. Learning: People need to understand what the system is capable of and how their actions relate to the system's behavior.

2. Appropriation: People should be able to redefine the interaction and use the system in novel ways.