Continuum

Designing Timelines for Hierarchies, Relationships and Scale

Nested Hierarchical Objects
Continuum supports hierarchical information by displaying this information using nested timeline objects. Timeline objects handle the display of themselves and also nested child information dynamically depending on the type of information available.

Viewport Controller
The viewport controller allows the user to change the current zoom level and time position of each of the timeline viewports.

Timeline Overview
An overview of the entire timeline data using a histogram that depicts a quantitative measure of goal items over time.

Level of Detail Control
The level of detail control allows user to modify the amount of data that is visible at once. Sliders for each dimension start off only showing the most important information, but can be adjusted to show all information.

Temporal Relationships
Continuum supports relationships between temporal data and will display these relationships using connecting lines.

Contextual Information
Information about timeline objects is available when users hover over that object. This can include a combination of text and multimedia.

Paul André, Max L. Wilson, Alistair Russell, Daniel A. Smith, Alisdair Owens, m.c. schraefel
University of Southampton