Memoplex (Browser)++: A Semantic Document Browser Clarence Chan CPSC 533 Nov. 12, 2006	Memoplex Browser++  . Text document browser  . Uses semantic links, spatial arrangement  . Color-based clustering for easier identification  . Can view local information more easily, but no advantage over a flat list of results	The problem  Directed search: find docs easily if we have the document title we know exactly what keywords are involved We know what we're looking for  What if we don't exactly know? Iook through a list of titles "feel around", browse	<ul> <li>Navigation, browsing</li> <li>Analogy: <ul> <li>Directed search: Look up exact item in library call number system</li> <li>Browsing: Go to a shelf and look around at various books</li> </ul> </li> <li>What if we combine these? <ul> <li>Go to a bookshelf in a general call number range</li> <li>Browse around various titles and books that are related</li> </ul> </li> </ul>
<text><list-item><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></text>	<ul> <li>Make the system useful beyond visualizing structure</li> <li>Graph structure (browsing) augmented to support the search functionality</li> <li>Built in <i>prefuse</i></li> </ul>	Memoplex Browser, v.2 • Attempts to make browsing of ASN more useful / relevant • View actual document snippets, only a few at a time • Idea: following local links / highly connected links makes for simpler exploratory search	Memoplex Browser, v.2 • Takes up to three keywords in search • Finds a set of documents in search pane • Doubleclick: opens graph view • Elements are spatially organized / coloured into "clusters"
<section-header><section-header><list-item><list-item><list-item><list-item><list-item> <section-header></section-header></list-item></list-item></list-item></list-item></list-item></section-header></section-header>	<section-header>Compared to Google Desktop Flat list simpler to navigate - familiar Spatial layout - very easy to get lost Clustering / search results were skewed Clustering / search results were skewed Sood for orienting to local (1 hop away) Basy to find heavily referenced articles</section-header>	Conclusion: Recap • A text document browser that uses semantic links and spatial clustering to aid in browsing tasks • Very tricky to do spatial layout of text	Conclusion <ul> <li>Exploiting intricacies of network may not be necessarily useful</li> <li>List form is easier to navigate</li> <li>However, some kind of indication of "location" and relative referencing is useful</li> <li>May have better applications in other domains</li> </ul>