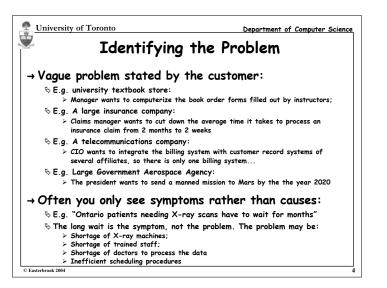
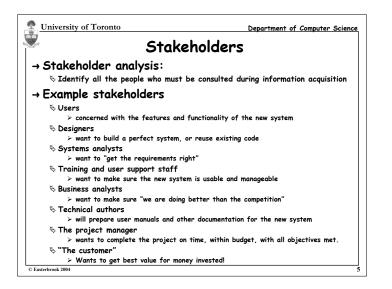
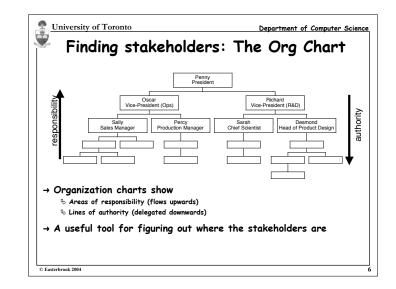
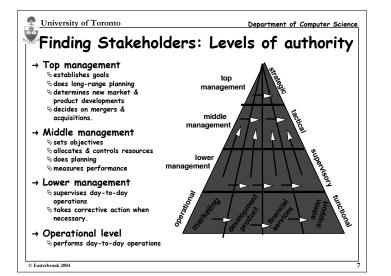


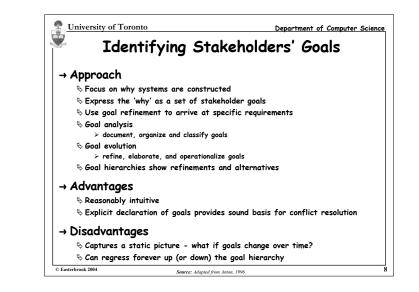
| University of Toronto Department o  | <u>f Computer Sci</u>  |  |
|---|--|--|
| Requirements Elicitation  |  |  |
| Starting point  |  |  |
| <ul> <li>Some notion that there is a "problem" that needs solving</li> <li>e.g. dissatisfaction with the current state of affairs</li> <li>e.g. a new business opportunity</li> <li>e.g. a potential saving of cost, time, resource usage, etc.</li> </ul>  | <b>W6H</b><br>The  |  |
| Collect enough information to:  | journalist's<br>technique:                                   |  |
| <ul> <li>identify the "problem"/"opportunity"</li> <li>Which problem needs to be solved? (identify problem Boundaries)</li> <li>Where is the problem? (understand the Context/Problem Domain)</li> <li>Whose problem is in? (identify Stakeholders)</li> <li>Why does it need solving? (identify the stakeholders' Goals)</li> <li>How does the problem manifest itself? (collect some Scenarios)</li> <li>When does it need solving? (identify Development Constraints)</li> <li>What might prevent us solving it? (identify Feasibility and Risk)</li> <li>become an expert in the problem domain</li> <li>Learn how to find your way round a new problem area quickly</li> <li>Use your (initial) ignorance as an excuse to ask questions</li> <li>Recognise the domain expertise of the people you talk to</li> </ul> | What?<br>Where?<br>Who?<br>Why?<br>When?<br>How?<br>(Which?) |  |

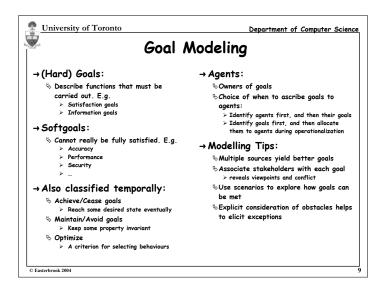


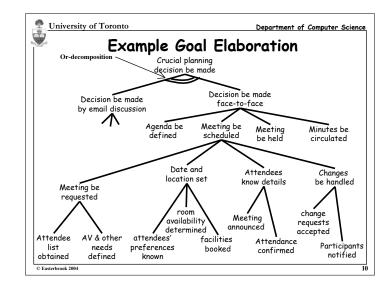


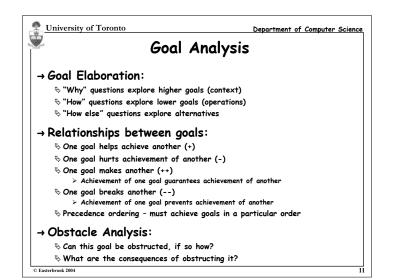


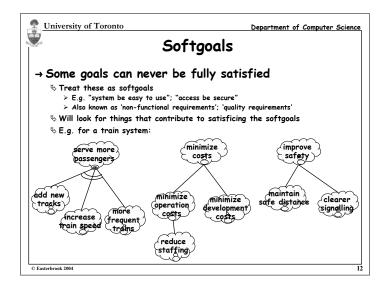


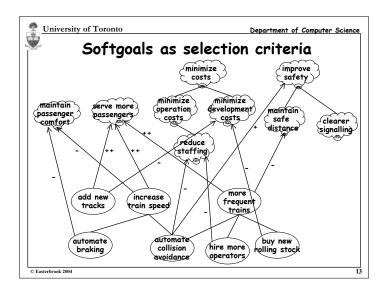












| University of Toronto Department of Computer Science<br>Example Scenario<br>Title: Successful meeting scheduled using messaging option<br>Participants: Alice (initiator, not attending); Bob, Carlo, Daphne (attendees) |  |   |  |
|--|--|---|--|
|  |  |   |  |
| Alice requests meeting, specifying<br>participants, timeframe  | Meeting requested;<br>Attendee list obtained   | What if selected timeframe is infeasible?   |  |
| AS sends participant requests to Bob,<br>Carlo and Daphne  | ?  | Did we miss a goal?   |  |
| Bob reads message  |  | Can't detect when messages are  |  |
| Carlo reads message  | Participants informed                          | read; what happens if Bob reads<br>the message but doesn't reply?   |  |
| Daphne reads message   |  |   |  |
| Bob replies with preferences   |  | What if the preferences are   |  |
| Carlo replies with preferences   | Attendees preferences known                    | mutually exclusive?<br>Should we allow some to be higher  |  |
| Daphne replies with preferences  |  | priority?   |  |
| AS schedules meeting   | Room availability<br>determined; room booked   |   |  |
| AS notifies Alice, Bob, Carlo, Daphne<br>of time and location  | Meeting announced;<br>Attendance Confirmed (?) | How do we know if they've all<br>read the announcement? What if<br>the schedule is no longer<br>convenient for one of them? |  |

