Themes and Strategies in Early Requirements Gathering: 
An Investigation into Analyst–Client Interaction

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Cathy Urquhart
July 1999
Abstract

This thesis examines early requirements gathering, a necessarily verbal interchange between an analyst and client which represents the starting point of specification of a new information system, or amendments to an existing system. Six case studies of analyst–client interaction are presented, consisting of a number of data sources: a video taped interaction and review, paragraphs from the analyst and client presented prior to the interaction, and individual interviews with analyst and client carried out before and after their interaction.

The findings from the study are viewed through a theoretical framework that groups the issues associated with early requirements gathering from four perspectives: Social, Definitional, Environmental and Individual. The videotaped interactions were first subjected to analysis using grounded theory techniques which yielded two major categories, that of Systems Analysis Strategies and Conversational Strategies.

The codes generated from this phase of analysis were used as foundation for further analysis of the videotaped interactions and the other data sources. In this way, the micro analysis provided a solid foundation for subsequent macro-analysis, with the use of topics as an intermediate unit of analysis of the interactions. This further analysis generated a number of themes that serve as a fruitful avenue for discussion of early requirements gathering: Issues to Be Discussed, Scope of System, Information Input to System, Processes Associated With System, Links in Information, Future Action, Problem Identification, Information Output from System, Analyst’s Understanding of Processes, Future Solutions, Organisational Context, Personal Disclosures, Professional Relationships, Note Taking and Use of Props. These themes are further organised and discussed using the theoretical framework.

The thesis concludes by evaluating the methodology used and the theory produced. It is suggested that both the systems analysis and conversational strategies identified, and the themes, represent findings that could be usefully disseminated to IS practice and education, given the apparent paucity of treatment of the communicational aspects of early requirements gathering in these two arenas.
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## Contents

1. **INTRODUCTION** .................................................................................................................. 1  
   1.1 The Problem of Analyst Client Communication .......................................................... 1  
   1.2 The Spoken Word as the Foundation for Early Requirements ........................................ 3  
   1.3 The Research Problem .................................................................................................. 4  
   1.4 Characterising Analyst–Client Communication ............................................................... 4  
      1.4.1 Conceptual Issues ................................................................................................. 6  
      1.4.2 Social Issues ...................................................................................................... 10  
      1.4.3 Individual Issues ............................................................................................... 15  
      1.4.4 Environmental Issues ........................................................................................ 18  
      1.4.5 Reflections on the Framework ............................................................................. 19  
1.5 Methodological and Philosophical Perspectives .................................................................. 20  
1.6 Analysing the Case Studies .............................................................................................. 20  
1.7 Summary ........................................................................................................................... 21  

2. **RESEARCH METHODOLOGY** ............................................................................................. 22  
   2.1 Research Strategy .......................................................................................................... 22  
      2.1.1 Research Philosophy .......................................................................................... 22  
      2.1.2 A Brief Review of Approaches to Studying Conversation .................................... 25  
      2.1.3 Using a Case Study Approach ............................................................................. 27  
      2.1.4 Inductive Theory Building ................................................................................... 28  
   2.2 Case Study Design and Implementation ......................................................................... 30  
      2.2.1 Data Sources and Collection Methods in the Case Study ..................................... 31  
      2.2.2 Pilot Studies ........................................................................................................ 34  
      2.2.3 Conducting the Case Study .................................................................................. 35  
   2.3 Coding and Analysing the Conversations .................................................................... 38  
      2.3.1 Deciding on a Method of Analysis ..................................................................... 38  
      2.3.2 Reasons for Using Grounded Theory Techniques ............................................... 39  
   2.4 Summary ........................................................................................................................ 40  

3. **CASE 1 – TOWARDS A THEORY OF ANALYST CLIENT INTERACTION** ................. 41  
   3.1 Introduction .................................................................................................................... 41  
   3.2 The Interaction Presented as a Play in Four Acts ......................................................... 41  
      3.2.1 The Tale of the Analyst and the Client – A Play in Four Acts ............................... 42  
   3.3 Summary ........................................................................................................................ 54  

4. **EXTENDING THE ANALYSIS – FROM EMERGENT CONCEPTS TO THEMES AND TOPICS** ................. 55  
   4.1 Applying Grounded Theory Techniques to Case 1 ......................................................... 55  
      4.1.1 Applying the Coding Paradigm and Adapting Grounded Theory Techniques .......... 55  
      4.1.2 Reconsidering the Core Categories ..................................................................... 58
<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1.3</td>
<td>Reformulating the Categories</td>
<td>59</td>
</tr>
<tr>
<td>4.1.4</td>
<td>Using Analytic Menus and Integrative Diagrams</td>
<td>62</td>
</tr>
<tr>
<td>4.2</td>
<td>Extending the Analysis - Using Topics and Themes</td>
<td>62</td>
</tr>
<tr>
<td>4.2.1</td>
<td>Using Topics as a Unit of Analysis for Case 1</td>
<td>63</td>
</tr>
<tr>
<td>4.2.2</td>
<td>Relating the Grounded Theory Analysis to Topics in Case 1</td>
<td>67</td>
</tr>
<tr>
<td>4.2.3</td>
<td>Using Themes as a Macro Analytic Device for Case 1</td>
<td>69</td>
</tr>
<tr>
<td>4.2.4</td>
<td>Relating the Grounded Theory Analysis to the Themes in Case 1</td>
<td>70</td>
</tr>
<tr>
<td>4.3</td>
<td>Providing a Context - The Other Data Sources in Case 1</td>
<td>71</td>
</tr>
<tr>
<td>4.3.1</td>
<td>Paragraph on Issues to be Discussed</td>
<td>73</td>
</tr>
<tr>
<td>4.3.2</td>
<td>Analyst Interviews</td>
<td>75</td>
</tr>
<tr>
<td>4.3.3</td>
<td>Analyst Background Questionnaire</td>
<td>77</td>
</tr>
<tr>
<td>4.3.4</td>
<td>Client Interviews</td>
<td>78</td>
</tr>
<tr>
<td>4.3.5</td>
<td>Client Background Questionnaire</td>
<td>80</td>
</tr>
<tr>
<td>4.3.6</td>
<td>Videotaped Review</td>
<td>80</td>
</tr>
<tr>
<td>4.3.7</td>
<td>Summary</td>
<td>84</td>
</tr>
<tr>
<td>4.4</td>
<td>Extending the Themes to Further Cases</td>
<td>86</td>
</tr>
<tr>
<td>4.5</td>
<td>Summary</td>
<td>86</td>
</tr>
<tr>
<td>5.1</td>
<td>Case 2 - City Council A</td>
<td>87</td>
</tr>
<tr>
<td>5.1.1</td>
<td>Topic Analysis</td>
<td>87</td>
</tr>
<tr>
<td>5.1.2</td>
<td>Relating the Codes to Topics</td>
<td>89</td>
</tr>
<tr>
<td>5.1.3</td>
<td>Mapping Topics To Themes</td>
<td>91</td>
</tr>
<tr>
<td>5.1.4</td>
<td>Relating the Codes to Themes</td>
<td>92</td>
</tr>
<tr>
<td>5.1.5</td>
<td>Considering Themes Across Data Sources in Case 2</td>
<td>92</td>
</tr>
<tr>
<td>5.1.6</td>
<td>Contextual Influences On Themes</td>
<td>98</td>
</tr>
<tr>
<td>5.2</td>
<td>Case 3 - Federal Agency B</td>
<td>98</td>
</tr>
<tr>
<td>5.2.1</td>
<td>Topic Analysis</td>
<td>99</td>
</tr>
<tr>
<td>5.2.2</td>
<td>Relating the Codes to Topics</td>
<td>100</td>
</tr>
<tr>
<td>5.2.3</td>
<td>Mapping Topics To Themes</td>
<td>102</td>
</tr>
<tr>
<td>5.2.4</td>
<td>Mapping Codes to Themes</td>
<td>102</td>
</tr>
<tr>
<td>5.2.5</td>
<td>Considering Themes Across Data Sources in Case 3</td>
<td>103</td>
</tr>
<tr>
<td>5.2.6</td>
<td>Contextual Influences On Themes</td>
<td>109</td>
</tr>
<tr>
<td>5.3</td>
<td>Case 4 - City Council Y</td>
<td>110</td>
</tr>
<tr>
<td>5.3.1</td>
<td>Topic Analysis</td>
<td>110</td>
</tr>
<tr>
<td>5.3.2</td>
<td>Relating Codes to the Topics</td>
<td>112</td>
</tr>
<tr>
<td>5.3.3</td>
<td>Mapping Topics To Themes</td>
<td>113</td>
</tr>
<tr>
<td>5.3.4</td>
<td>Mapping Codes to Themes</td>
<td>114</td>
</tr>
<tr>
<td>5.3.5</td>
<td>Considering Themes Across Data Sources</td>
<td>115</td>
</tr>
</tbody>
</table>
6.6  SOCIAL ISSUES ................................................................................................................. 193
  6.6.1  Professional Relationships ....................................................................................... 193
  6.6.2  Mutual Understanding ............................................................................................. 196
  6.7  SUMMARY ................................................................................................................... 196

7.  EVALUATION AND DISCUSSION ....................................................................................... 198
   7.1  EVALUATING THE STUDY ......................................................................................... 198
         7.1.1  Evaluating the Grounded Theory Component ..................................................... 200
         7.1.2  Evaluating The Research As a Whole ................................................................. 203
   7.2  EVALUATING THE THEORY ........................................................................................ 208
         7.2.1  Conversational and Systems Analysis Strategies ................................................ 208
         7.2.2  Themes ............................................................................................................... 212
         7.2.3  Interrelationships Between Themes .................................................................... 223
         7.2.4  Some Further Implications .................................................................................. 223

8.  CONCLUSIONS ............................................................................................................... 225
   8.1  SUMMARY OF MAJOR FINDINGS .............................................................................. 225
   8.2  CONTRIBUTIONS OF THE RESEARCH .................................................................... 229
   8.3  IMPLICATIONS FOR PRACTICE .............................................................................. 230
   8.4  FURTHER WORK ........................................................................................................ 233
   8.5  CONCLUDING REFLECTIONS .................................................................................. 234

REFERENCES ..................................................................................................................... 235

APPENDIX ONE – INTERVIEW QUESTIONS AND BACKGROUND QUESTIONNAIRE ................................................... 244

APPENDIX TWO – ANALYTIC MEMOS .............................................................................. 247

APPENDIX THREE – INTEGRATIVE DIAGRAM ........................................................................ 257
List of Figures

Figure 1-1: A Preliminary Framework of Analyst-Client Communication In Early Requirements Gathering .......................................................... 5
Figure 1-2 Stamper’s Semiological Ladder Related to Early Requirements Gathering .......................................................... 14
Figure 1-3 Sequence of Analysis ................................................................................. 21
Figure 2-1 Paradigms of Information Systems Development (based on Hirschheim & Klein 1989 and Burrell & Morgan 1979) ................................. 23
Figure 2-2 Process of Case Study Design ................................................................. 32
Figure 4-1 A View of Initial Core Categories and Subcategories Generated by Axial Coding ............................................................................. 59
Figure 4-2 Reorientation of Initial Core Categories in Axial Coding Phase ............... 60
Figure 4-3 Reorientation of Categories in Axial Coding Phase ................................. 62
Figure 4-4 The Chain of Analysis Adopted for Case 1 .............................................. 64
Figure 4-5 Themes Graphed Against Time Elapsed in the Interaction in Case 1 ...... 71
Figure 4-6 Analyst’s Paragraph for Case 1 .............................................................. 74
Figure 4-7 Client’s Paragraph for Case 1 .................................................................. 76
Figure 4-8 Themes in Sequence Across Data Sources ............................................. 86
Figure 5-1 Client’s Paragraph for Case 2 ................................................................. 95
Figure 5-2 Analyst’s Paragraph for Case 2 .............................................................. 95
Figure 5-3 Client’s Paragraph for Case 3 ................................................................. 105
Figure 5-4 Analyst’s Paragraph for Case 3 ............................................................ 106
Figure 5-5 Analyst’s Paragraph for Case 4 ............................................................ 117
Figure 5-6 Client’s Paragraph for Case 4 ............................................................... 118
Figure 5-7 Analyst’s Paragraph for Case 5 ............................................................ 130
Figure 5-8 Client’s Paragraph for Case 5 ............................................................... 130
Figure 5-9 Analyst Client Paragraph for Case 6 ................................................... 144
Figure 6-1 Chain of Analysis Adopted In The Case Studies ................................. 158
Figure 6-2 Relating the Analysis to the Theoretical Framework ............................. 159
Figure 6-3 Frames in Case 1 .................................................................................. 162
Figure 6-4 Frames in Case 3 .................................................................................. 163
Figure 6-5 Frames in Case 6 .................................................................................. 164
Figure 6-6 Frames in Case 2 .................................................................................. 165
Figure 6-7 Frames in Case 5 .................................................................................. 166
Figure 6-8 Frames in Case 4 .................................................................................. 167
Figure 7-1 Chain of Analysis in the Study ............................................................. 200
List of Tables

Table 2-1 Theory Building Steps Used in the Research (Adapted from Eisenhardt 1989) .......................................................... 30
Table 2-2 Sequence of Pilot Studies and Enhancements to the Case Study Design ... 36
Table 2-3 Case Study Dates and Details .................................................. 38
Table 2-4 Running Order for the Case Study .............................................................................................................. 39
Table 4-1 Applying the Coding Paradigm and Some Initial Open Codes ............... 58
Table 4-2 Reclassification of Codes into New Categories, Strategies and Tactics .... 62
Table 4-3 Topic Change Typology with Examples from Transcript (Adapted from Planalp & Tracy 1980) .......................................................... 65
Table 4-4 Topic Shifts and Initiators of Topic Shifts .................................................. 66
Table 4-5 Topics in Case 1 Listed by Number, Name and Time of Introduction ..... 67
Table 4-6 Codes As They Appeared in Topics in Case 1 .............................................. 69
Table 4-7 Mapping of Topics in the Transcript to Themes in Case 1 ....................... 70
Table 4-8 Themes and Dominant Codes in Case 1 .................................................. 72
Table 4-9 Occurrence of Themes across Data Sources in Case 1 ......................... 73
Table 4-10 Occurrence of Themes across Case Studies .............................................. 87
Table 5-1 Topic Shifts and Initiators of Topic Shifts in Case 2 .................................... 89
Table 5-2 Topics in Case 2 Listed By Title And Time of Introduction .................. 90
Table 5-3 Codes As They Appeared in Topics in Case 2 .............................................. 91
Table 5-4 Mapping of Topics To Themes in Case 2 .................................................. 92
Table 5-5 Themes and Dominant Codes in Case 2 .................................................. 93
Table 5-6 Occurrence of Themes Across Data Sources in Case 2 ......................... 94
Table 5-7 Topic Shifts and Initiators of Topic Shifts in Case 3 .................................... 100
Table 5-8 Topics in Case 3 Listed By Title And Time of Introduction .................. 101
Table 5-9 Codes as They Appeared in Topics in Case 3 .............................................. 102
Table 5-10 Mapping of Topics To Themes in Case 3 .................................................. 103
Table 5-11 Themes and Dominant Codes in Case 3 .................................................. 104
Table 5-12 Occurrence of Themes Across Data Sources in Case 3 ......................... 105
Table 5-13 Topic Shifts and Initiators of Topic Shifts in Case 4 .................................... 112
Table 5-14 Topics in Case 4 Listed By Title And Time of Introduction .................. 113
Table 5-15 Codes As They Appeared in Topics in Case 4 .............................................. 114
Table 5-16 Mapping of Topics to Themes in Case 4 .................................................. 115
Table 5-17 Themes and Dominant Codes in Case 4 .................................................. 116
Table 5-18 Occurrence of Themes Across Data Sources in Case 4 ......................... 117
Table 5-19 Topic Shifts and Initiators of Topic Shifts in Case 5 .................................... 125
Table 5-20 Topics in Case 5 Listed By Title And Time of Introduction .................. 125
Table 5-21 Codes as They Appeared in Topics in Case 5 .............................................. 126
Table 5-22 Mapping of Topics to Themes in Case 5 .................................................. 127