

HIGHER TECHNICAL INSTITUTE

COURSE IN COMPUTER STUDIES

DIPLOMA PROJECT

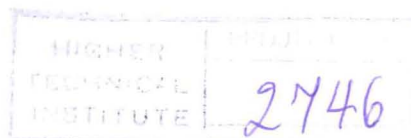
STAFF GUIDE TO OBSTETRIC ULTRASOUND

CS/181

BY

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- 3 -

Introduction

The 'Multimedia Guide to Obstetric Ultrasound' is the largest project we have undertaken as a development team and we feel it is right to provide you with some historical info about it. Those of you who are not interested or bored by such stuff can leave this section anytime you like. The rest of you can stay.

Development on the "Multimedia Guide to Obstetric Ultrasound" started during the Summer of 1996 at the University of Salford, as a part of the student industrial training policy in the Higher Technical Institute of Cyprus. We knew nothing about multimedia development at the time, but as it turned out we did just fine.

We were introduced to the subject by Dr Peter Hogg of the Dept. of Radiography at the University of Salford. It started as a multimedia prototype that would enable the interactive presentation of the Obstetric Ultrasound process to professional staff. At the same time it should provide an educational extension that would enable Radiography students to navigate through the prototype, interactively learn through media integrated in the prototype and then test their knowledge by answering some test questions.

We quickly understood that due to the amount of data that would need to be included in the prototype and the work needed for designing and implementing a functional navigation system, the educational part of the prototype would remain unfinished. So we focused on the development of the presentation part that took us approximately one and a half months. During an initial presentation of the prototype (under severe development at the time) at the University of Salford we

were proposed to continue its development as our Diploma Project in the following year. Obviously we accepted.

The project was accepted by the HTI as our diploma project and Dr Peter Hogg visited HTI to give us instructions and advise us on the development of the project. The project supervisor assigned by the HTI, Mr. Panikos Masouras, met Dr Hogg along with the development team and a course of action was laid down. Further communication between the development team, Dr Hogg and Mr. Masouras was carried out by means of personal meetings, discussions and e-mail. Development on the second version of the prototype started during the second semester of our 3rd year course. After a lot of work on the transition from the first to the second version and a significant amount of project documentation taking place, the prototype entered Alpha and then Beta phase. A Beta version of the developed prototype was evaluated by Radiography professionals in Salford and their feedback was used to refine the prototype.

Development continued even after the project's documentation delivery day and the final version of the prototype was demonstrated to Mr. Masouras and Dr Hogg at the project's formal presentation.

So here it is folks. The second version of the 'Multimedia Guide to Obstetric Ultrasound for Staff' is wrapped up and ready to go. Even though we started work on it to refine the first version and complete the educational part, we feel that this is more of an extensive rework of the prototype than a mere update of the first version. Enjoy it!

The Development Team (Pan & Kyr).

CONTENTS

PROJECT SUMMARY	7
ACKNOWLEDGEMENTS	8
PROJECT INTRODUCTION	9
1. Introduction.	11
1.1 The Process of creating Multimedia.	11
1.2 Planning	12
1.3 Design and Development	14
1.4 Production	15
1.5 Duplication/Distribution	16
1.6 Project Management	17
1.7 Conclusion	19
2. Initial Investigation.	20
2.1 Definition of the problem.	20
2.2 Definition of Existing Development Effort.	21
2.3 Project Objectives.	22
2.4 Other Development Terms and Conditions.	23
2.5 Improvements to be made.	24
2.6 Initial Considerations with some technical details and tool orientation.	26
2.6.1 Introduction	26
2.6.2 Hardware Considerations.	28
2.6.2.1 Introduction.	28
2.6.2.2 Processor selection.	28
2.6.2.3 Selecting RAM size and type.	29
2.6.2.4 Selecting Hard drive size and type.	30
2.6.2.5 Selecting a screen.	31
2.6.2.6 Selecting a graphics card.	31
2.6.2.7 Selecting a sound card.	31
2.6.2.8 Selecting a video capture card.	32
2.6.2.9 Selecting a backup device.	32
2.6.2.10 Selecting a CD-ROM unit.	32
2.6.2.11 Conclusion.	32
2.6.3 Software Considerations.	33
2.6.3.1 Introduction.	33
2.6.3.2 OS Selection.	33
2.6.3.3 Authoring Environment	34
2.7 Evaluation.	34
3. Feasibility Study.	36
3.1 Hardware (Computers and Equipment)	36
3.1.1 Platforms	36
3.1.1.1 Introduction.	36
3.1.1.2 The IBM PC and compatibles.	37
3.1.1.2.1 Introduction.	37
3.1.1.2.2 IBM's PS/2 series with OS/2	38

3.1.1.3 The Apple Macintosh and compatibles	40
3.1.1.3.1 Introduction.	40
3.1.1.3.2 The Macintosh platform.	41
3.1.1.3.4 The Macintosh Today	42
3.1.1.3.5 Mac Clones	43
3.1.1.3.6 Low-end Macs	44
3.1.1.3.7 High end Macs	44
3.1.1.3.8 Optimising System 7 for multimedia	45
3.1.1.4 Archimedes.	46
3.1.2 Common Hardware Components.	47
3.1.2.1 The processor	47
3.1.2.2 The PowerPC	47
3.1.2.3 Memory	49
3.1.2.4 Floppy drives	50
3.1.2.5 Hard disk drives	50
3.1.2.6 CD-ROM standards	51
3.1.2.7 Monitors	53
3.1.2.8 Graphics cards	54
3.1.2.9 Display drivers.	54
3.1.2.10 Resolution and color depth.	54
3.1.3 Graphics acceleration	55
3.1.3.1 The expansion bus bottleneck.	55
3.1.3.2 Video local bus (VL-Bus)	56
3.1.3.3 Peripheral Component Interconnect (PCI)	57
3.1.3.4 Quickring	58
3.1.3.5 VESA media channel (VMC).	58
3.1.3.6 Conclusion.	59
3.1.4 Conclusion.	59
3.2 Software Platforms.	60
3.2.1 OS Selection.	60
3.2.1.1 DOS.	60
3.2.1.2 Windows 95 (Chicago).	61
3.2.1.3 Windows 95 and Multimedia	61
3.2.1.4 Hardware Compatibility	62
3.2.1.5 Software Compatibility	62
3.2.1.6 Networking	63
3.2.1.7 Windows NT	63
3.2.1.8 Cairo and Windows NT 4	64
3.2.1.9 OS/2, Taligent and Mach	66
3.2.1.10 The Taligent Operating System (Pink)	66
3.2.1.11 UNIX	67
3.2.2 Selecting the authoring system.	69
3.2.2.1 Introduction to authoring Tools.	69
3.2.2.2 Selecting an Authoring Tool	70
3.2.2.2.1 Introduction	70
3.2.2.2.2 What hardware platform(s) is the final product to run on?	72
3.2.2.2.3 Do you want to develop on one platform and deliver on several platforms?	72
3.2.2.2.4 Is database access needed?	72
3.2.2.2.5 Will the development be done by one or	73

multiple people?	3.2.2.2.6 What level of technical expertise do the	74
developers have?	3.2.2.2.7 Is this a one-time delivery or are	75
updates/changes required?	3.2.2.2.8 Is distribution over the network or World Wide	76
Web desired?	3.2.2.2.9 Is purchase price more important than	76
development costs?	3.2.2.2.10 How do you select an authoring tool?	78
	3.2.3 Conclusion	78
	3.3 Development Tools	79
	3.3.1 Introduction	79
	3.3.2 A Taxonomy of Authoring Systems	79
	3.3.3 Authoring Systems	80
	3.3.3.1 Card-based authoring systems	81
	3.3.3.2 Iconic programming languages	81
	3.3.3.3 Extended productivity tools	82
	3.3.3.4 "Hyper-word processors"	82
	3.3.3.4 Microsoft Help system	83
	3.3.3.5 Mixed High/Low Level Development	84
	3.3.3.6 Cross-Platform Development	85
	3.3.3.7 Microcosm	87
	3.3.4 Multimedia Engines.	88
	3.3.4.1 What Is a Multimedia Engine?	89
	3.3.4.2 Engines Can Be Designed to Specs	89
	3.3.4.3 Not All Authoring Tools Can Create Engines	90
	3.3.4.4 Elements of Multimedia Engines	91
	3.3.4.5 Support for the Engine	92
	3.3.5 Media Editing Tools.	92
	3.3.5.1 Introduction	92
	3.3.5.2 Image editing tools.	94
	3.3.5.3 Vector Graphics Editing Tools	94
	3.3.5.4 Digital Sound Manipulation tools	95
	3.3.5.5 Video Capturing and Editing Tools	95
	3.3.5.6 Text Editors	95
	3.3.6. Delivery platforms.	96
	3.3.6.1 Multimedia and the WWW	96
Delivery?	3.3.6.1.1 What Applications Lend Themselves to Web	97
	3.3.6.1.2 Why Deliver on the Web?	97
	3.3.6.1.3 Disadvantages of the Web	98
	3.3.6.2 Multimedia on CD-ROM and Intranet	100
	3.3.6.3 Server Setup Configurations	100
	3.3.6.4 Client Setup Configurations	101
	3.3.7 Design Considerations	101
	3.3.8 Other Distribution Considerations	102
	3.4 Development feasibility.	102
	3.5 Evaluation	107

4. Information Gathering.	108
4.1 Introduction.	108
4.2 Existing Prototype Problems.	108
4.3 Existing prototype bug/error reports.	109
4.4 Initial Interface Considerations.	109
4.5 Initial interface considerations.	110
4.5.1 User Interface Issues	110
4.6 Media.	112
4.6.1 Motion video	112
4.6.2 Sound	114
4.6.3 Networking	114
4.6.4 Special needs	115
4.7 Data Formats and Compression	115
4.7.1 Text	115
4.7.2 Graphics	117
4.7.3 Bitmap graphics	118
4.7.4 Vector file formats	128
4.7.5 Sound	130
4.7.6 Video	134
4.8 CONCLUSIONS	146
5. Development Guide.	148
5.1 Management. The Key to a Successful Project	148
5.2 Project Scope and Milestones	149
5.3 Handling and Tracking Changes	150
5.4 Development Tools	151
5.5 Reusability	152
5.6 Productivity	153
5.7 Content Creation Guide	155
5.7.1 Type Styles	155
5.7.2 Imported Vs Clips	156
5.7.3 Size of Clips	156
5.7.4 Color Depth of Imported Resources	156
5.7.5 Colour of Media Clips	157
5.7.6 Video Compression	157
6. Prototype Design.	158
6.1 Selecting the Appropriate Media.	158
6.2 Using Text in Multimedia	159
6.3 Using Graphics in Multimedia	161
6.4 Using Audio in Multimedia	164
6.5 Using Video in Multimedia	166
6.6 Using Animation in Multimedia	167
6.7 Conclusion	171
7. Implementation	172
7.1 Introduction.	172
7.2 Media.	172
7.3 Functional Part.	173

7.4 Integration Of Media With Software.	173
7.5 Refinements.	173
7.6 Evaluation.	173
8. Testing	174
8.1 Introduction.	174
8.2 Alpha Testing.	175
8.3 Beta Testing.	175
8.4 Reviewing and Corrections	175
8.5 Taking Notes for the User Manual	176
8.6 Beta Testing (done mainly by the users)	176
8.7 Reviewing and Corrections	176
8.8 Finalizing notes for the User manual	176
8.9 Evaluation	177
9. Installation	178
9.1 Setup Program & Packaging	178
9.2 User Manual Inclusion	179
9.4 Evaluation	180
10. In Closing	181
10.1 Copyright Considerations.	181
10.2 Future Trends in Multimedia CBT	189
APPENDICES	
Appendix A: Glossary	
Appendix B: Guide Structure	
Appendix C: Packages Used In The Development Of The Guide	
Appendix D: User Feedback and Error Reports	