

Table of Content

Table of Content	ii
Copyright	iv
RESTRICTED RIGHTS LEGEND	iv
TRADEMARKS.....	iv
Credits	iv
Dedication.....	v
Foreword.....	v
Preface.....	vi
Acknowledgments.....	vii
Introduction.....	viii
Book Content and Organization.....	ix
Audience	x
Conventions Used In This Book	xi
Where to Download J2ME	xi
Where to Find the Code Examples From This Book.....	xi
Chapter 1. Introduction to the Java 2 Micro Edition (J2ME) Platform	1
Defining a Java Platform for Pervasive Devices	1
Configurations and Profiles	3
Device Application Management Systems.....	11
Chapter Summary	12
Chapter 2. The MIDP Application Development Process	13
Designing and Coding	14
Compilation	15
Preverification	16
Packaging.....	17
Deployment and Execution.....	21
Using the J2ME Wireless Toolkit.....	21
Chapter Summary	31
Chapter 3. MIDP Application Program Structure.....	32
The Application Execution Lifecycle.....	32
MIDlet Program Structure	36
The MIDlet State Model	38
The MIDP UI Component Model.....	40
System Properties.....	44
Application Properties.....	46
Chapter Summary	48
Chapter 4. The MIDP High-Level API.....	49
Command Processing	49
Command-Processing Scenario	50
Screen Navigation.....	60
Command Organization	61
Chapter Summary	67
Chapter 5. The MIDP UI Components	68
MIDP UI Component Hierarchy	68
Screens and Screen Elements	69
Screen Navigation.....	80
More Item Components.....	82

Chapter Summary	100
Chapter 6. The MIDP Low-Level API	102
Command and Event Handling	103
Graphics Drawing	109
Chapter Summary	139
Chapter 7. Persistent Storage Support in MIDP	140
Device Support for Persistent Storage	140
RMS Data Storage Model	140
Records	142
An Example Application	142
Chapter Summary	158
Chapter 8. MIDP Networking and Communications	159
The MIDP Networking Model	159
Generic Connection Framework Classes and Interfaces	162
Differences between J2ME and J2SE Networking	200
Chapter Summary	201
Chapter 9. Internationalization	203
Concepts	203
Internationalization Support in MIDP	206
Designing an I18N Solution for a MIDP Application	209
Chapter Summary	251
Chapter 10. Application Provisioning	253
Concepts	253
The Provisioning Process	256
Preparing Applications for Provisioning Systems	262
Chapter Summary	264
Chapter 11. The Wireless Internet Environment	265
Background, Terminology, and Concepts	265
The Wireless Application Environment	267
Wireless Applications	269
Application Architecture	272
Chapter Summary	280
Appendix A. References	281
Glossary	282