Data Structures with Java
Text Errata

Chapter 2:
Page 39: Section "Wrapper Classes" paragraph 3, replace boolean with Boolean.
In Figure 2.1 description, uppercase Integer, Character, and Double.

Page 54: Section 2.5, declaration:
   SalaryEmployee sEmp = new SalaryEmployee("Morris, Mike", "569-34-0382", 1250.00);

Page 55: Output: replace Social Security Number: with SS#:

Chapter 3:
Page 92: In method resize() comment lines 7 and 15, replace resized with resize

Page 99: Class header: public class Dice

Page 102: Section "Import Statement", replace java.swing with java.swing.*

Chapter 4:
Page 117: In method selectionSort(), fix format
   for (j = pass+1; j < n; j++)
      // if smaller element found, assign smallIndex to that index
      if (arr[j] < arr[smallIndex])
         smallIndex = j;

Page 128: For function T(n) in (4.11), T(n) = int(log₂ n) + 1

Chapter 5:
Page 162: In method binSearch(), delete statement/comment
   int orgList = last; // save original value of last

Chapter 6:
Page 174: Section "Multibase Representation", last term in representations for 95 base 2, 5, and 8 is
   1(2⁰), 0(5⁰), and 7(8⁰) respectively.

Page 182: In method hanoi(), replace string move with Move in the System.out.println() statement.

Chapter 7:
Page 200-202: In each index range, use the variable name midpt. (E.g. [first, midpt) and [midpt, last])
Page 210: Generic tag for method pivotIndex() ends with ">>": <T extends Comparable<? super T>>.

Chapter 8:
Page 240: In method resize() second last line, replace check is m with check if m

Chapter 9:
Page 260: Fourth line from the bottom, the cast (String) in (String)diplomaList.get(i) is not necessary.
Page 264: Comment in first line of method main(), replace a file with arrays
Page 273: In class Time24 header, put blank space between Time24 and implements
   In the catch block for method clone(), statement throw new InternalError(); is not a comment.
Chapter 10:
Page 291: Section "Scanning a Linked List", line 4: method toString(front) is in the Nodes class.
Page 293: Use generic version of code to insert a new node in a list
Node<T> curr, prev, newNode;
newNode = new Node<T>(item);
Page 293: Use generic version of code to delete a node in a list
Node<T> curr, prev;

Chapter 11:
Page 332: In Program 11.1, line 13: Scanner keyIn = new Scanner("System.in");
Page 333: In method jumbleLetters() first line, use inequality <: for (int i = 0; i < word.length(); i++)

Chapter 12:
Page 353: In the figure, the sequence is 8 12 3 2 after calling iter.set(12). Replace 17 with 12
Sample code, replace insert() with insertList(): insertList(stateListA, stateListB, 2).
Page 359: In figure 12.4, the sequence in part(c) is 5 7 8 8. Replace 5 with 7.

Chapter 13:
Page 379: In class header, ListIteratorImpl should be ListIteratorImpl.
Section subheader remove space between List and Iterator. Should be ListIterator Constructor

Chapter 14:
Page 409: In method compute(), delete the colon (:) at the end of the header

Chapter 15:
Page 429: Line 1, replace word operator with algorithm

Chapter 16:
Page 474: In method buildTree(), the header is public static TNode<Character> buildTree(int n)
Page 482: In method levelOrderDisplay(), class type for q is LinkedQueue<TNode<T>> (missing >)

Chapter 17:
Page 522: In the code for buildShadowTree() line 6, replace buildShadowTreeD(…) with buildShadowTree(…)
In figure 17.6, the comment to the right should be Cell(level, col) = (1,4)

Chapter 18:
Page 542: In method add(): in first comment line, replace it with if
Page 546: In method removeNode() line 27, delete comment // complete the link to the parent node
Chapter 20:
Page 606: Section 20.2, line 7: replace MapEntry with Map.Entry
line 10: replace This interface with The OrderedMap interface

Chapter 21:
Page 635: In line 2: replace LinkedList collections with nodes
In section "Evaluating Chaining with Separate List", line 6: replace collections with linked lists
Page 648: In the code for put() line 15, make the comment
// scan the linked list; update a match and return previous value

Chapter 22:
Page 666: In declaration of class Less, place a blank between Less<T> and implements
Page 670: Title for figure 22.3 is "Heap insertion and the path of parents"
Page 674: In method adjustHeap(), replace modifier private with public in the method header

Chapter 24:
Page 749: The description for Figure 24.9 should exchange variable names v and w. The description is
Figure 24.9 Discovering a cycle assuming v is a GRAY neighbor of w (Edge(w,v) is a back edge.

Chapter 25:
Page 775: In Step 5, (Figure [e]) is missing. the figure is (e)
Page 781: Steps 5-6 (last line). replace MI(E,6) with MI(E,11)

Chapter 27:
Page 837: In method add(): in first comment line, replace it with if
Page 843: Edit label for figure (a) to be Split 4-node(4, 12, 25)

Chapter 28:
Page 868: In the example, 50 = 5 (mod 15)
Page 875: First line, delete the word prime from the expression "a prime number"

Appendix A:
Page 930: Line 24 (add spaces): inch + " in metric is " + centimeter + " cm"
Page 939: In Table A.2, start Level 2 with the multiplication operator *.
Page 941: In Table A.3, example for "greater than or equal" is ch >= 'A'
Page 948: Ten lines from the bottom, correct spelling of boolean variable is "haveInsufficientFunds"

Appendix C:
Page 964: The character with ASCII value 62 is >
Data Structures with Java
Exercises Errata

Chapter 10:
Page 310: Exercise 10.2. Remove the statement "newNode = new Node<Character>('T'); "
Page 311: Exercise 10.4(b). Statement #3 is: newNode.next = front (replace front with next)
Page 318: Exercise 10.24(b). in declaration for icon, replace3 IconImage with ImageIcon
icon icon = new ImageIcon("imageFile");

Chapter 16:
Page 500: Exercise 16.9. add a space between the l and edges; statement is "it must have n - 1 edges"