```
 1 C:\Users\seanb\Documents\Northeastern-EECE2160-
   Embedded-Design\HW6\cmake-build-debug\HW6.exe
 2
 3 Main menu:
 4          1. List vector's contents
 5          2. Append element at the end
 6          3. Remove last element
 7          4. Insert one element
 8          5. Exit
 9 Select an option:1
10
11 You selected: 1
12 List vector's contents
13 Vector contents:
14 Size: 0
15
16 Main menu:
17          1. List vector's contents
18          2. Append element at the end
19          3. Remove last element
20          4. Insert one element
21          5. Exit
22 Select an option:3
23
24 You selected: 3
25 Remove last element
26 Vector is empty
27
28 Main menu:
29          1. List vector's contents
30          2. Append element at the end
31          3. Remove last element
32          4. Insert one element
33          5. Exit
34 Select an option:1
35
36 You selected: 1
37 List vector's contents
38 Vector contents:
39 Size: 0
40
```

```
41 Main menu:
42          1. List vector's contents
43          2. Append element at the end
44          3. Remove last element
45          4. Insert one element
46          5. Exit
47 Select an option:2
48
49 You selected: 2
50 Append element at the end
51 Enter the element to append:5
52
53
54 Main menu:
55          1. List vector's contents
56          2. Append element at the end
57          3. Remove last element
58          4. Insert one element
59          5. Exit
60 Select an option:3
61
62 You selected: 3
63 Remove last element
64
65 Main menu:
66          1. List vector's contents
67          2. Append element at the end
68          3. Remove last element
69          4. Insert one element
70          5. Exit
71 Select an option:1
72
73 You selected: 1
74 List vector's contents
75 Vector contents:
76 Size: 0
77
78 Main menu:
79          1. List vector's contents
80          2. Append element at the end
81          3. Remove last element
```

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 82          4. Insert one element
 83          5. Exit
 84 Select an option:4
 85
 86 You selected: 4
 87 Insert one element
 88 Enter the index to insert:10
 89
 90 Enter the element to insert:4
 91
 92 Invalid index
 93
 94 Main menu:
 95          1. List vector's contents
 96          2. Append element at the end
 97          3. Remove last element
 98          4. Insert one element
 99          5. Exit
100 Select an option:10
101
102 You selected: 10
103 Invalid selection
104
105 Main menu:
106          1. List vector's contents
107          2. Append element at the end
108          3. Remove last element
109          4. Insert one element
110          5. Exit
111 Select an option:2
112
113 You selected: 2
114 Append element at the end
115 Enter the element to append:5
116
117
118 Main menu:
119          1. List vector's contents
120          2. Append element at the end
121          3. Remove last element
122          4. Insert one element
```

```
123          5. Exit
124 Select an option:2
125
126 You selected: 2
127 Append element at the end
128 Enter the element to append:10
129
130
131 Main menu:
132          1. List vector's contents
133          2. Append element at the end
134          3. Remove last element
135          4. Insert one element
136          5. Exit
137 Select an option:2
138
139 You selected: 2
140 Append element at the end
141 Enter the element to append:15
142
143 Vector grown
144 Previous capacity: 2
145 New capacity: 4
146
147 Main menu:
148          1. List vector's contents
149          2. Append element at the end
150          3. Remove last element
151          4. Insert one element
152          5. Exit
153 Select an option:1
154
155 You selected: 1
156 List vector's contents
157 Vector contents:
158 Size: 3
159 0: 5
160 1: 10
161 2: 15
162
163 Main menu:
```

```
164            1. List vector's contents
165            2. Append element at the end
166            3. Remove last element
167            4. Insert one element
168            5. Exit
169 Select an option:4
170
171 You selected: 4
172 Insert one element
173 Enter the index to insert:1
174
175 Enter the element to insert:20
176
177 Inserted element 20 at index 1
178
179 Main menu:
180            1. List vector's contents
181            2. Append element at the end
182            3. Remove last element
183            4. Insert one element
184            5. Exit
185 Select an option:1
186
187 You selected: 1
188 List vector's contents
189 Vector contents:
190 Size: 4
191 0: 5
192 1: 20
193 2: 10
194 3: 15
195
196 Main menu:
197            1. List vector's contents
198            2. Append element at the end
199            3. Remove last element
200            4. Insert one element
201            5. Exit
202 Select an option:5
203
204 You selected: 5
```

```
205 Exit
206
207 Process finished with exit code 0
208
```