**End of Module Questions - Part 2**

Critique the following structure chart that depicts a guest making a hotel reservation. Describe the chart in terms of fan-in, fan-out, coupling, and cohesion. Redraw the chart to improve the design.

1

RESERVE

ROOM

Hotel

Full

Reservation Record

Preference Record

Guest

ID

Updated Customer Record

1.1

LOCATE AVAILABLE ROOM

1.2

READ

 GUEST

 RECORD

1.3

ASSIGN ROOM AND PREFERENCE INTO

1.4

WRITE UPDATED CUSTOMER RECORD

1.5.1

WRITE

 NEW RESERVATION

1.5.2

PRINT RESERVATION

CONFIRMATION

1.2.1

EDIT NEW

 GUEST

 RECORD

1.2.2

EDIT OLD

 GUEST

 RECORD

1.5

OUTPUT RESERVATION

Date

New Guest Record

Old Guest Record

Updated Reservation Record