**SER 415 Assignment: Requirements Quality Attributes**

## Procedure

**Step 1:** Review **the list of twenty requirements below—ten from a surgery system and ten from a travel reservation system.**  
**Step 2: Indicate whether each has any issues with respect to the quality attributes *unambiguous, complete, verifiable,* and *traceable*. Please only consider these four quality attributes. If you think the requirement meets all of these quality attributes, then write "Good" under the requirement.**  
**Step 3:** If a requirement does not meet one or more of those quality standards, indicate which quality attribute(s) are at issue and provide a brief explanation of the issue.

REQ-SS0001

The surgery system shall provide the ability to import CT scans in DICOM format.

REQ-SS0002

The surgery system shall support interface functionality to electromagnetic tracking hardware.

REQ-SS0003

The surgery system shall not display developer debugging information to end users.

REQ-SS0004

The surgery system shall provide a four-quadrant display including the following views: axial, sagital, coronal, and three dimensional.

REQ-SS

The surgery system shall refresh the three-dimensional view every 50 milliseconds.

REQ-SS0006

The surgery system shall support an ergonomic mechanism for selecting view slices.

REQ-SS0007

The surgery system’s demo platform should include several application examples.

REQ-SS0008

The surgery system’s minimum response time shall be determined at a later date.

REQ-SS0009

The surgery system shall provide a means for users to access any menu using six button clicks or fewer.

REQ-SS0010

The surgery system shall handle unrecoverable errors (for example, hardware faults) by rebooting.

REQ-TS0001

The travel system shall provide a search facility to find a reservation based on Last Name, Date, etc.

REQ-TS0002

The travel system shall show all applicable taxes (including a 6% sales tax).

REQ-TS0003

The travel system shall display the destination country code on the details page for international flights.

REQ-TS0004

The travel system does not have to show the country code on the confirmation page for domestic flights.

REQ-TS0005

The travel system shall display prices in dollars, euros, yen, and other important currencies.

REQ-TS0006

The travel system shall display all dates in mm/dd/yyyy format.

REQ-TS0007

The travel system shall have a natural language interface that understands commands in English.

REQ-TS0008

The travel system shall allow users to locate a reservation based on the date they made the reservation.

REQ-TS0009

The travel system may go down for maintenance briefly each week during night hours.

REQ-TS0010

The travel system shall focus on reliability and ease of use.