CS 513 Software Systems (ESD) Project Tasks

Students are expected to be conversant with the following tasks as part of the project work. You will have to explain one or more of these tasks during your demo viva.

Task list (in no particular order)

1. If I want to add a new attribute to table X in your database, what changes do you have to make to display that field in the front-end?
2. If I want to remove a field from the front end, what changes do you have to make to display that field in the front-end? Show code walkthrough for the given field X.
3. If I want to populate a drop down box in the UI with data from Table X, how / where do you code that? Show the places in the code that needs to be changed.
4. How to test REST API X without using GUI? Show how to do it.
5. If I want change the connection between two tables X and Y from ONE-TO-MANY to MANY-TO-MANY, what and where changes need to be done to the JPA annotations? Show code where specific changes need to be done.
6. Show all places where code / config settings need to be added to introduce a new REST API X for class Y.
7. How do you build WAR file for your project?
8. For the specific transaction X, where to write code for rollback if something goes wrong?

Execution Status	Functional Coverage	Viva (exactly one question from given task list above)
A: Executing without error	A: Fairly complete implementation	A: Explanation is fairly complete
B: Executing with errors	B: Partial functionality	B: Able to explain but missing out some important details
C: Unable to run code due to build / compile errors	C: Very minimal implementation	C: Missing out on many important details
X: Absent / code not ready	X: Wrong / code not ready	D: Unable to answer