

This rubric shows both what you are expected to complete for the midterm project as well as how it will be graded. Your project is due by 12/8/14, 8 p.m. in your website folder. Submit your final report in Word.

**Hard Requirements of DB GUI design (70% of total project grade):**

<i>You must use a report writing style to describe your work, not just screenshots</i>	<b>Score</b>
<b>DB Backend (Total 150 points)</b>	
1. Table schema of DB tables implemented in MySQL: schema screenshots	50
2. Table data of DB tables in MySQL: screenshots of MySQL dump and tables	50
<b>Front end Access GUI (Total 550 points)</b>	
1. Home webpage	50
2. At least three Web pages	75
3. All XHTML elements: text, colors, links, images, tables, forms	25
4. All form elements: textbox, checkbox, radio, list, dropdown list, text area	25
5. Create at least two forms to add data to your MySQL DB	50
4. Create at least two forms that extract information from your Access DB	50
5. Create at least two reports (web pages)	50
6. Create SQL queries that support the GUI: screenshots of queries in PHP code	50
7. Create all PHP code that supports the GUI: screenshots of PHP code	150
7. Testing and Use Cases: Include sample cases that illustrate the use of your DB application. Describe at least three cases. (description and necessary screenshots)	75 (25 each)

**Soft Requirements of DB GUI design (20% of total project grade)**

	<b>Score</b>
1. Business Practices are followed and the general GUI design makes logical sense.	20 pt each
2. GUI design supports the business, all data is relevant to the project.	
3. Home page design is attractive and appealing	
4. DB website navigations is logical and easy for users to follow	
5. PHP is well designed and use functions, arrays, control structure as needed	
6. Queries – the query design is concise and all queries are relevant and important to your DB GUI	
7. Forms – Form design is concise, relevant and important to your DB functionality	
8. Reports - Report design is concise and all reports are relevant and important to your DB functionality	
9. Overall quality and depth of project execution	
10. Engaging and interesting – The GUI is expressive and interesting, the business plan is well thought out and applicable.	
<b>Total:</b>	200

**DB Theory Questions (10% of total project grade)**

	<b>Score</b>
1. Describe/discuss the expandability/scalability of your DB GUI design. Is your design robust enough to handle future growth? Offer example of an additional form or report to be added.	20 pt each
2. How idiot-proof is your front end? Discuss how your GUI and DB back end work together to prevent users from entering junk into your DB.	
3. How do you compare both GUIs (Access and Web based): which did you enjoy more? Why? Which took more time?	
4. Project feedback: write your candid feedback about the project; hours it took, your experience with XHTML and PHP, what you learned from the project	
5. Course exit feedback: write your candid feedback about the course. Any suggestions to improve?	
<b>Total:</b>	100