

Project Step 7 (Portfolio Assignment)

Due Mar 20 by 2:59am **Points** 16 **Submitting** a file upload **File Types** zip
Available Mar 5 at 3am - Mar 22 at 2:59am 17 days

This assignment was locked Mar 22 at 2:59am.

Aim:



This is the Final step where you submit a working website URL along with your DDQ and DMQ files, server-side and client-side code and the PDF. There is no peer or group review for this Step. You will format your report professionally incorporating changes to previous assignments.

This assignment is designated as a program "portfolio assignment." You are encouraged to publicize it as part of your portfolio. Remember your school-hosted database will be deleted at the end of the term, so consider what to do after the term as well. For example, a video of the functioning website, putting your final project PDF on LinkedIn, or hosting the site (MySQL database, HTML pages and code) on a third party hosting platform are all examples of how to make your portfolio assignment available after the term.

For question about browser compatibility, see the FAQ section.

Deliverable:

A **ZIP** archive containing 5 THINGS as described below in detail.

The zip file should be named like **projectgroupX_stepX_DRAFT/FINAL.zip**. e.g. ProjectGroup42_Step3_FINAL.zip

1. **All the source code for your Project:** This includes files containing CSS, HTML, JS and the code for server-side platform that you decided to use. For any external libraries, you may include the package.json (or the equivalent) instead of including all the files for the library. Be sure to remove your username and password from the dbcon (or equivalent) file. **Points will be deducted from your grade if you do not include the source code.**
2. **A PDF file containing** (in the given order): 1 page (max) summary of feedback and changes made to this Project from initial version until now.
An updated version of your Project Outline, Database Outline, ERD, and Schema. Screen captures of each of the UI pages on your website. Add a title immediately above each Screen capture which explains the CRUD step. E.g. "READ/BROWSE/DISPLAY Customers page" or "CREATE/INSERT/ADD NEW Invoice page."
3. The **URL of your hosted, functioning project website** on the first page of the PDF as well as a comment on your submission. You will need to prefix the URL with http:// or https:// If you want your web app to be tested only on a specific browser, let the graders know by indicating on: a) the first page of the PDF in noticeable fashion AND b) on every page of your website.
4. The **.SQL file containing your Data Definition Queries** and the **sample data**
5. The **.SQL file containing your Data Manipulation Queries.**

The project website should be up and running until the last day of term.

How do I work on this assignment?

Working and reviewing others' work on the steps for CRUD functionalities should have you given you a good head start if not actually bring your website to a completed state.

If you are still facing issues, ask on Piazza or in office hours or request a class meeting session.

When asking a question always include:

1. What's the unexpected behaviour/error message that you face
2. What you are trying to achieve
3. Link to your code using a website like pastebin.com. Make sure others can see all the related code files.
4. What you have already tried. This makes sure that the obvious can be discounted by anyone who is trying to help you.

Frequently Asked Questions:

Q. Does my project actually satisfy all the criteria ?/What does X spec from the Project Spec mean?

A. Ask in office hours/Piazza, describing the relevant details of your Project so that we can help you. Implementations are hard to describe in generic manner and it always helps to talk in terms of your project.

Q. Should my Project be compatible with all/X/Y/Z browser ? What browser should it be able to run to?

A. If you want your web app to be tested only on a specific browser, let the graders know by indicating on: a) the first page of the PDF in noticeable fashion AND b) on every page of your website. Without such a note, the graders will test it using the browser they prefer and would expect it to work.

Points:

This assignment is worth 16 points of your Project Grade.

You will be graded based on:

- **Executive Summary:** 10%
 - 1 page (max) summary of feedback and changes made to this Project from initial version until now.
 - Note that summary is different from previous steps which asked for copy/paste of feedback and your response.
 - Executive summary has facts about the database being documented as opposed to about the report you created.
 - In this step we expect a short 1 page (max) reflection on major changes to this project from your initial proposal to now and what feedback influenced those changes.
 - We expect to find this section on feedback in the PDF that you turn in the .ZIP file.
- **Project and Database Outlines:** 6%
 - The updated versions of the Project and Database outline. Reading these should give a layman the complete idea of your Project and it's universe and thus be able to navigate the website.
- **ER Diagram:** 6%
 - The updated version of your ERD using the notations that we use in the class.
- **Schema:** 6%
 - The updated version of the schema that should follow the database outline exactly. It will again be graded on the extent to which it matches the outline with an emphasis on if relationships and keys are set up correctly. Again, please stick to the notations that we use in the class.
- **UI Screen Shots with Informative Titles** 6%
 - Screen captures of each of the UI pages on your website. Add a title immediately above each Screen capture which explains the CRUD step. E.g. "READ/BROWSE/DISPLAY Customers page" or "CREATE/INSERT/ADD NEW Invoice page."
- **Data Definition Queries:** 6%
 - The updated version of SQL file that you provide should be cleanly import-able on the database Server that is used to host your CS340 database. If the .SQL file cannot be imported or does not create tables as your Schema describes, using PHPMyAdmin or the MySQL command line client, you will lose all of these points.

- **Data Manipulation Queries: 6%**
 - The updated version of the SQL file which provides all your DML queries in the format described in Step 4. You will lose points if you don't have queries providing the functionalities listed in the [CS340 Project Guide](#).
- **Website Functionality: 50%**
 - All the functionalities described in the [CS340 Project Guide](#) should be implemented.
 - When dealing with relationships you cannot expect the user to manually type any data. You should allow the user to select things to relate to each other via drop-down menus or some other UI element where the user picks from existing items to add them to a relationship. When picking items you should display the name that makes the most sense to the user. This is very likely not the primary key. For example, in context of the BSG database, when adding a row to the relation between bsg_people and bsg_cert, we would expect the bsg_cert.title values to be shown in a dropdown/set of radio button instead of allowing entry of bsg_cert.id
 - The **URL** of the website should be included in the PDF *as well as* a comment on the submission.
 - READ/BROWSE/DISPLAY page: 5%
 - CREATE/INSERT/ADD NEW pages: 10%
 - DELETE functionality: 10%
 - EDIT/UPDATE functionality: 15%
 - SEARCH/FILTER functionality: 10%
- **Style: 4%**
 - Your website should be reasonably easy to navigate. We are not expecting CSS. But tabular data should be displayed in tables and form elements should be reasonably grouped. Section headers for parts of your pages/forms would definitely make your site easier to navigate.
 - Your write-up in the PDF should be well formatted and divided into sections for easy navigation and readability.
 - Your SQL files should have brief comments mentioning what functionality/entity/relationship the query is related to.

Points will be deducted if you do not include the source code.

Final Project Step 7

Criteria	Ratings			Pts
1 PAGE (MAX) Executive Summary summary of feedback and changes made to this Project from initial version until now	0.53 pts Full Marks 1 page in length summary	0.26 pts LONGER than 1 PAGE we expect a short 1 page (max) reflection on major changes to this project from your initial proposal to now and what feedback influenced those changes.	0.0 pts Missing SUMMARY MISSING. we expect a short 1 page (max) reflection on major changes to this project from your initial proposal to now and what feedback influenced those changes.	0.53 pts
PDF file in the GIVEN ORDER (Summary, Project Outline, Database Outline, ERD, and Schema, Screen captures)	0.48 pts Full Marks PDF file in the GIVEN ORDER (Summary, Project Outline, Database Outline, ERD, and Schema, Screen captures)	0.16 pts SLIGHTLY WRONG ORDER NO MORE THAN ONE section in wrong order. Order of PDF presentation is: Summary, Project Outline, Database Outline, ERD, and Schema, Screen captures.	0.0 pts PDF file WRONG ORDER MORE THAN ONE section in wrong order. Order of PDF presentation is: Summary, Project Outline, Database Outline, ERD, and Schema, Screen captures.	0.48 pts
SUMMARY is REFLECTION on major changes to this project from your initial proposal to now and what feedback influenced those changes.	0.53 pts Full Marks Summary correctly reflects on major changes to this project from your initial proposal to now and what feedback influenced those changes	0.18 pts ATTEMPTS to Summarize Makes attempt to summarize and reflect on major changes to this project from your initial proposal to now and what feedback influenced those changes, though incomplete or hampered by poor writing quality or organization.	0.0 pts Summary is NOT A REFLECTION Note that summary is different from previous steps which asked for copy/paste of feedback and your response. In this step we expect a short 1 page (max) reflection on major changes to this project from your initial proposal to now and what feedback influenced those changes.	0.53 pts
PROJECT and DB OUTLINES	0.48 pts Full Marks Includes updated versions of the Project and Database outline		0.0 pts MISSING updated versions Missing updated versions of the Project and Database outline	0.48 pts
PROJECT and DB OUTLINES writing quality	0.48 pts Full Marks Quality sufficient to give a layman the complete idea of your Project and it's universe and thus be able to navigate the website.	0.32 pts ATTEMPTS to give LAYMAN idea Some effort to give layman idea, but layman would require SOME additional information from you in order to successfully have a complete idea of your Project and it's universe and thus be able to navigate the website.	0.0 pts DOES NOT give LAYMAN idea A layman would require a SIGNIFICANT amount of additional information from you in order to have a complete idea of your Project and it's universe and be able to navigate the website.	0.48 pts
ER DIAGRAMS	0.48 pts Full Marks Includes updated versions of ERD using the notations that we use in the class.		0.0 pts MISSING updated versions Missing updated versions of the ERD using the notations that we use in the class.	0.48 pts

Criteria	Ratings			Pts
ER DIAGRAMS quality Models consistent with Project and Database Outline	0.48 pts Full Marks All entities, attributes and relationships are consistent with representations in Project and Database Outline as well as Schema . High quality.	0.32 pts ATTEMPTS to be CONSISTENT Some minor inconsistencies between naming of entities, attributes and relationships and with representations in Project and Database Outline as well as Schema. Average quality.	0.0 pts NOT CONSISTENT ERD has significant (2 or more) differences between entities, attributes and relationships and with representations in Project and Database Outline as well as Schema . Needs improvement.	0.48 pts
SCHEMA The updated version of the schema. Again, please stick to the notations that we use in the class.	0.48 pts Full Marks Includes updated version of the schema using the notations that we use in the class.		0.0 pts MISSING updated versions Missing updated versions of the schema using the notations that we use in the class.	0.48 pts
SCHEMA quality Consistent with Project and Database Outline and relationships and keys are set up correctly	0.48 pts Full Marks All entities, attributes and relationships are correct and consistent with representations in Project and Database Outline as well as ERD . High quality.	0.32 pts ATTEMPTS to be CONSISTENT Some minor errors although MOST entities, attributes and relationships are correct and consistent with representations in Project and Database Outline as well as ERD . Average quality.	0.0 pts NOT CONSISTENT Significant (2 or more) errors in entities, attributes and/or relationships and NOT consistent with representations in Project and Database Outline as well as ERD .Needs improvement.	0.48 pts
UI Screen Shots Screen captures of each of the UI pages on your website.	0.48 pts Full Marks Includes Screen captures of each of the UI pages on your website.		0.0 pts MISSING UI Screen Shots Missing Screen captures of each of the UI pages on your website.	0.48 pts
UI Screen Shot Title quality	0.48 pts Full Marks All titles immediately above each Screen capture which explains the CRUD step. E.g. "READ/BROWSE/DISPLAY Customers page" or "CREATE/INSERT/ADD NEW Invoice page.". High quality.	0.32 pts ATTEMPTs to explain CRUD step Has a title but title HAS MINOR flaws in fully explain the CRUD step. E.g. "READ/BROWSE/DISPLAY Customers page" or "CREATE/INSERT/ADD NEW Invoice page.". Average work.	0.0 pts No Titles OR NOT Descriptive Significant (2 or more) errors. E.g. title missing OR DOES NOT explains the CRUD step. E.g. "READ/BROWSE/DISPLAY Customers page" or "CREATE/INSERT/ADD NEW Invoice page.". Needs improvement.	0.48 pts

Criteria	Ratings			Pts
<p>Data Definition Queries</p> <p>The updated version of SQL file used to host your CS340 database.</p>	<p>0.48 pts Full Marks</p> <p>Includes updated version of SQL file to create DB. Import is successful and creates tables per schema.</p>	<p>0.24 pts Missing comments</p> <p>Includes updated version of SQL file to create DB. Import is successful and creates tables per schema. MISSING: SQL files should have brief comments mentioning what functionality/entity/relationship the query is related to.</p>	<p>0.0 pts SQL Missing or Does Not Work</p> <p>Missing updated version of SQL file to create DB. OR the .SQL file cannot be imported or does not create tables as your Schema describes. You lose all of these points.</p>	0.48 pts
<p>Data Manipulation Queries</p> <p>all your DML queries in the format described providing the functionalities listed in the CS340 Project Guide</p>	<p>0.48 pts Full Marks</p> <p>Includes updated version of SQL file to query DB. Queries would run under reasonable conditions. SQL files have brief comments mentioning what functionality/entity/relationship the query is related to.</p>	<p>0.24 pts Missing comments</p> <p>Includes updated version of SQL file to query DB. Queries would run under reasonable conditions. MISSING: SQL files have brief comments mentioning what functionality/entity/relationship the query is related to.</p>	<p>0.0 pts SQL Missing or Does Not Work</p> <p>Missing updated version of SQL file to create DB. OR the .SQL file cannot be imported or does not create tables as your Schema describes. You lose all of these points.</p>	0.48 pts
<p>READ/BROWSE/DISPLAY</p> <p>Does the UI utilize a SELECT for every table in the schema? In other words, data from each table in the schema should be displayed on the UI. Note: it is generally not acceptable for just a single query to join all tables and displays them.</p>	<p>0.4 pts Full Marks</p> <p>The UI does utilize a SELECT for every table in the schema. In other words, data from each table in the schema is displayed on the UI. High quality.</p>	<p>0.2 pts Attempts to utilize a SELECT for every table</p> <p>AT MOST ONE one table in the schema missing. In other words, data from one table in the schema is NOT displayed on the UI. Acceptable quality.</p>	<p>0.0 pts Missing Tables</p> <p>Attempts to utilize a SELECT for every table MORE THAN ONE table in the schema is NOT displayed on the UI. In other words, data from more than one table in the schema is NOT displayed on the UI. Needs work.</p>	0.4 pts
<p>CREATE/INSERT/ADD NEW</p> <p>Does the UI implement an INSERT for every table in the schema? In other words, there should be UI input fields that correspond to each table and attribute in that table.</p>	<p>0.4 pts Full Marks</p> <p>The UI does implement an INSERT for every table and nonkey attribute in the schema. In other words, there are UI input fields that correspond to each table and nonkey attribute in that table. High quality.</p>	<p>0.2 pts Attempts to utilize INSERT for every nonkey attribute</p> <p>No more than three non-key attributes in the schema are missing INSERT. In other words, there are no UI input fields that correspond to at most three non key table attributes. Acceptable quality.</p>	<p>0.0 pts Missing Inserts</p> <p>MORE THAN THREE non-key attributes in the schema are missing INSERT. In other words, there are no UI input fields that correspond to at more than three non key table attributes. Needs work.</p>	0.4 pts

Criteria	Ratings			Pts
<p>CREATE/INSERT/ADD NEW FK</p> <p>Does each INSERT also add the corresponding FK attributes, including at least one M:M relationship?</p>	<p>0.4 pts Full Marks</p> <p>Each INSERT also adds the corresponding FK attributes, including at least one M:M relationship with more than one FK updated. High quality.</p>	<p>0.2 pts Attempts to INSERT every FK attribute</p> <p>NO MORE THAN ONE insert is missing a corresponding foreign key insert. Acceptable quality.</p>	<p>0.0 pts Missing Multiple FK Inserts</p> <p>MORE THAN ONE insert is missing a corresponding foreign key insert. In other words if there is a M:M relationship between Orders and Products, INSERTing a new Order (e.g. orderID, customerID, date, total), should also INSERT row(s) in the intersection table, e.g. OrderDetails (orderID, productID, qty, price and line_total). Needs work.</p>	0.4 pts
<p>DELETE</p> <p>Is there at least one DELETE and does at least one DELETE remove things from a M:M relationship?</p>	<p>0.4 pts Full Marks</p> <p>There at least one DELETE implemented. High quality.</p>		<p>0.0 pts Missing DELETE</p> <p>Missing one DELETE. Needs work.</p>	0.4 pts
<p>Delete removes M:M</p> <p>Does at least one DELETE remove things from a M:M relationship?</p>	<p>0.4 pts Full Marks</p> <p>Delete removes rows from intersection table. High quality.</p>	<p>0.0 pts Does not Delete from Intersection table</p> <p>Does not have one DELETE remove things from a M:M relationship. In other words, if an order is deleted from the Orders table, it should also delete the corresponding rows from the OrderDetails table, BUT it should not delete any Products or Customers. Needs work.</p>		0.4 pts
<p>UPDATE</p> <p>Is there at least one UPDATE for any one entity? In other words, in the case of Products, can productName, listPrice, qtyOnHand, e.g. be updated for a single ProductID record?</p>	<p>0.6 pts Full Marks</p> <p>There at least one UPDATE implemented. High quality.</p>		<p>0.0 pts Missing UPDATE</p> <p>Missing one UPDATE. Needs work.</p>	0.6 pts
<p>Update is NULLable</p> <p>Is at least one relationship NULLable?</p>	<p>0.6 pts Full Marks</p> <p>At least one relationship is NULLable. High quality.</p>	<p>0.0 pts Not NULLable</p> <p>DOES NOT IMPLEMENT at least one relationship NULLable. In other words, there should be at least one optional relationship, e.g. having an Employee might be optional for any Order. Thus it should be feasible to edit an Order and change the value of Employee to be empty. Needs work.</p>		0.6 pts

Criteria	Ratings			Pts
SEARCH/FILTER search using text or filter using a dynamically populated list of properties. This search/filter functionality should be present for at least one entity.	0.32 pts Full Marks Search using text OR filter using a dynamically populated list of properties is present for at least one entity. High quality.	0.16 pts Attempts to Search/Filter Some effort made to add search using text OR filter using a dynamically populated list of properties is present for at least one entity BUT WITH MINOR PROBLEMS. Acceptable quality.	0.0 pts Missing Search/Filter MISSING search using text or filter using a dynamically populated list of properties for at least one entity. Needs work.	0.32 pts
Website Functionality URL The URL of the website should be included in the PDF as well as a comment on the submission.	0.4 pts Full Marks The URL of the website is be included in the PDF as well as a comment on the submission.		0.0 pts MISSING Project URL Missing the URL of the website included in the PDF as well as a comment on the submission.	0.4 pts
Website Source Code This includes files containing CSS, HTML, JS and the code for server-side platform that you decided to use.	4.54 pts Full Marks Submission includes files containing CSS, HTML, JS and the code for server-side platform that you decided to use. High quality.	3.41 pts Some files missing MISSING SOME non-essential files (e.g. CSS, HTML, JS). Includes ALL the code for server-side platform.	0.0 pts Missing Files MISSING MORE THAN THREE non-essential files OR MISSING the code for server-side platform .	4.54 pts
Source Code Comments Brief comments mentioning what functionality/entity/relationship is being implemented	0.6 pts Full Marks Submission includes brief comments mentioning what functionality/entity/relationship is being implemented. High quality.	0.45 pts Attempts to provide comments Some brief comments mentioning what functionality/entity/relationship is being implemented, although SOME ADDITIONAL information would be needed to follow the code entirely .	0.0 pts Missing comments MISSING brief comments mentioning what functionality/entity/relationship is being implemented, although SIGNIFICANT ADDITIONAL information would be needed to follow the code entirely .	0.6 pts
Website Style Your website should be reasonably easy to navigate. We are not expecting CSS. But tabular data should be displayed in tables and form elements should be reasonably grouped. Section headers for parts of your pages/forms would definitely make your site easier to navigate.	0.6 pts Full Marks EXCEPTIONALLY easy to navigate. Tabular data displayed in tables and form elements AESTHETICALLY grouped. INCLUDES section headers for parts of your pages/forms. High quality.	0.45 pts ATTEMPTS to be Easy to Navigate SATISFACTORILY easy to navigate. Tabular data displayed in tables and form elements LOGICALLY grouped. SOME section headers for parts of your pages/forms. Satisfactory quality.	0.1 pts NOT Easy to Navigate NOT easy to navigate. DIFFICULT to read tabular data and form elements. MISSING OR INCORRECT section headers for parts of your pages/forms. Needs improvement.	0.6 pts
Total Points: 16.0				