

Database Design Project Phase 2 Submission Template

CS 3200 - Spring 2025

Due: Tuesday April 1, 2025 @11:59pm

This **Phase 2 Template** adds pages to the end of your Phase 1 proposal.

Directions:

The general idea is that your design document from Phase 1 will be expanded with your additions based on the requirements for Phase 2.

1. Copy pages 7 to 15 from this document and paste at the end of your Phase 1 Design Document. As needed, update “Phase 1” in headers to “Phase 2”.
2. Go through your User Stories from Phase 1 and number them in increasing order by persona. So, Persona 1 will have user stories 1, 2, 3, 4, 5, 6, etc; Persona 2 will have user stories 1, 2, 3, 4, 5, 6, etc.
3. Complete all the sections of the new pages based upon the [Phase 2 Requirements](#) and material covered in lecture.
 - a. When copying diagrams from other apps/software, make sure what you paste into this document **is readable**. Check the font size; make sure it isn’t blurry, etc.
 - b. As your team works on Phase 2, you may discover aspects of your Phase 1 design that you want to update/modify/change about your personas and user stories. It is **absolutely OK** to make these updates as you dig into your project idea more... In fact, it is almost expected that you’ll refine some of the earlier deliverables as the project evolves. Consider this a living document.
 - i. If you make any changes to the Phase 1 parts of the document, use the strike-through format for anything you are removing/deleting and add the changes/additions in red.
4. Download a PDF of this document (File Menu > Download > PDF Document).
5. Confirm the Share link pasted at the bottom of the first page of your Phase 1 document is still functional.
6. Submit the PDF to Gradescope (in addition to the SQL file for your DB).
 - a. Submission on Gradescope will be by group.
 - b. You won’t have to associate any pages with questions. The team member submitting needs to indicate/choose all team members during the submission process. **If you do not do this, grades will not get properly synced with Canvas.**

Please note, your group can take creative liberties with the look and feel of this document. You can change the fonts, colors, etc. However, please leave the information in the same order as it is in this document.

Leave the link to this document from your Phase 1 submission (which should now contain the new additions).

Link: _____

Part 1: Team and Project Info

Team Name:	
Product/Project Name:	

Team Members:

	Name (as appears on Canvas):	Northeastern Email Address:
Member 1 (Point Person)		
Member 2		
Member 3		
Member 4		

Part 2: Brief Synopsis of Project/Product

Part 3: User Personas

Persona 1:

User Stories for Persona 1:

-

Persona 2:

User Stories for Persona 2:

-

Persona 3:

User Stories for Persona 3:

-

Persona 4:

User Stories for Persona 4:

-

Part 4: Localized Conceptual Data Models as ER Diagrams

User Persona 1: <Give persona name and role>

User Persona 2: < Give persona name and role>

User Persona 3: <Give persona name and role>

User Persona 4: <Give persona name and role>

(Add similar pages below if you have more than 4 user personas.)

Global ER Diagram

Paste your app's global ER diagram below. Since the diagrams will be large, do your best. Make sure they are readable. If you need to split over 2 pages, that's ok - just be clear about connections.

Relational DB Diagram:

Paste your app's Relational Database diagram (generated from the above global ER diagram) below.

Datagrip Database Diagram

After you create your database script file, generate a database diagram in Datagrip. Screenshot or export and paste below.

Queries for User Stories

For each of your user stories, provide a single SQL SELECT, INSERT, UPDATE, or DELETE statement that would solve the data needs of the user story. Label each Query with its corresponding User Story Number (e.g., “2.4” for user story 4 of persona #2, or something similar). Each SQL statement should be written to work with your data model.

*The SQL Statements provided should be **properly formatted** and in a **fixed point font** such as Courier or Fira Mono.*

SQL Code:

Your SQL Code will be directly uploaded to GradeScope as a .sql file. It should be executable from top to bottom with no errors. **DO NOT PASTE IT INTO THIS DOCUMENT.**