

# Database Design Project Phase 2 Submission Template

## CS 3200 - Spring 2023

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

### Directions:

1. Copy the new pages to the end of your team's Phase 1 proposal. As needed, update "Phase 1" in headers to "Phase 2".
2. Complete all the sections on the subsequent pages.
3. Download a PDF of this document (File Menu > Download > PDF Document).
4. Submit the PDF to Gradescope (in addition to the SQL file for your DB).
  - a. Submission on Gradescope will be by group.
  - b. 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.

Additionally, I fully expect that as you're working on Phase 2, your team will want to make some modifications to what you submitted in Phase 1 - maybe you want to update or change some user stories, or maybe you realize two of your personas are actually the same. Feel free to update your Personas and User Stories as you continue to develop your project idea. This is completely reasonable.

Link to your group's copy of this Google Doc:

*<paste the link here>*

## 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 ER Diagrams

User Persona 1: <Give persona name or quick description>

User Persona 2: < Give persona name or quick description>



User Persona 3: <Give persona name or quick description>

User Persona 4: <Give persona name or quick description>

## Global ER Diagram

Paste your app's global ER diagram below.

**Relational Diagram:**

Paste your app's relational 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.

## REST API Matrix

- List all resources you've identified from the user stories.
- Under the relevant HTTP methods for that resource, very briefly describe the action that will take place. If a particular route will not be supported, put 'n/a' in the box.
- Indicate which User Story or stories will use each route. Use the format [persona\_name, user\_story\_num]. Example: [Jane-2] means the 2nd user story of persona Jane.
  - Feel free to update your user stories submitted for Phase 1 with numbers.
- Use the example below to guide you.

| Resource       | GET                                                                              | POST | PUT                                       | DELETE                                     |
|----------------|----------------------------------------------------------------------------------|------|-------------------------------------------|--------------------------------------------|
| /products      | Return a list of all products with their current sale price<br>[Jane-2], [Sam-1] | n/a  | n/a                                       | n/a                                        |
| /products/{id} | Return all detail information for a particular product<br>[Sam-2]                | n/a  | Update the price of a product<br>[Drew-3] | Mark a product as out of stock<br>[Drew-4] |
| ...            |                                                                                  |      |                                           |                                            |
| ...            |                                                                                  |      |                                           |                                            |