PHP Project

**Project Phase 1 - A (1%)**

**Please submit the following - one submission per team**

* Team Name
* Team Members
* Team Lead

**Project Phase 1 - B (2%)**

**Please submit the following - one submission per team**

* brief project description
* list of features

**Project Phase 1 - C (3%)**

**Please submit the following - one submission per team**

**Project Scope (10):**

* Project description (1)
* Targeted audience and objective (1)
* List of features (6)
  + - For each feature:

- who is doing what (minimum 3 features per team member)

- brief description

- Tier 1, 2, and 3. Make ALL your features tier 1 first, then

bring to tier 2 than tier 3

* Timeline (Task and schedule) (2)

**Project Phase 2 - Interface design (6%)**

HTML and CSS - home page, public & admin interface, header footer, navigation

Can you JavaScript, jQuery

Can use Bootstrap, Foundation

Must be RESPONSIVE!

Content

- make sure you have all your photos, icons, etc.

- do not use copyrighted images

- make sure to source all your images

- content for some of your features

You don't need to hand in PSD files or wireframes

**Rubric**

**Professional (3)**

* Professional, clean, and marketable
* Easy to read content
* Complimentary colors
* Simple, clean design

**Usability (3)**

* Easy to understand navigation
* Easy to locate anything
* Understandable page flow

**Consistent layout (3)**

* Consistent layout
* Use template for all pages

**Cross-browser compatible (3)**

**Relevant content (3)**

* Relevant content/images (not lorem ipsum)

**Responsive (3)**

* Responsive Tablet, mobile, desktop

**Project Phase 3 - Database Design (5%)**

MySQL Database

- design

- populate your DB

Naming Convention

* DB tables should be in lower case, with underscores to separate words (snake case), and should be in the plural form
* Table column names should be in lower case, and snake case (underscores between words).
* The primary key should be lowercase ‘id’
* Foreign keys should be the model’s name (singular), with '\_id' appended to it ex student\_id

**Rubric**

**Naming conventions (4)**

* Proper naming conventions for tables and columns.
* Consistency (with naming-uppercase lowercase).
* Meaningful table and column names.

**Normalized (4)**

* Normalize/optimize table

**Relationship (4)**

* Table relationship (primary/foreign key)

**Project Phase 4 - Feature one (7%)**

* Database driven, object-oriented, interactive web application feature/functionality
* Fully functional, error handling, commenting, efficient coding, and implementing PHP coding standard ( <https://www.php-fig.org/psr/psr-1/> )
* Database Models for the feature (classes to interact with the database, CRUD)
* Admin and public interfaces for the feature (interacting with the database / API)

**Rubric**

**Tier 1 (12)**

* **Database-driven**
* **OOP**
* **It works as designed**
* **Error handling**
* **Usability**
* **Commenting code (all files)**
* **Following proper naming conventions**

**Tier 2 (4)**

* **Robustness and efficiency of the code**
* **Dynamic / Interactive**
* **External/advanced libraries**

**Tier 3 (4)**

* **Independent initiative (going beyond what has been covered in the course)**

**Project Phase 5 - Feature two (7%)**

* Database driven, object-oriented, interactive web application feature/functionality
* Fully functional, error handling, commenting, efficient coding, and implementing PHP coding standard ( <https://www.php-fig.org/psr/psr-1/> )
* Database Models for the feature ( classes to interact with the database, CRUD)
* Admin and public interfaces for the feature ( interacting with the database / API)

**Rubric**

**Tier 1 (12)**

* **Database-driven**
* **OOP**
* **It works as designed**
* **Error handling**
* **Usability**
* **Commenting code (all files)**
* **Following proper naming conventions**

**Tier 2 (4)**

* **Robustness and efficiency of the code**
* **Dynamic / Interactive**
* **External/advanced libraries**

**Tier 3 (4)**

* **Independent initiative (going beyond what has been covered in the course)**

**Project Phase 6 - Feature three (7%)**

* Database driven, object-oriented, interactive web application feature/functionality
* Fully functional, error handling, commenting, efficient coding, and implementing PHP coding standard ( <https://www.php-fig.org/psr/psr-1/> )
* Database Models for the feature( classes to interact with the database, CRUD)
* Admin and public interfaces for the feature ( interacting with the database / API)

**Rubric**

**Tier 1 (12)**

* **Database-driven**
* **OOP**
* **It works as designed**
* **Error handling**
* **Usability**
* **Commenting code (all files)**
* **Following proper naming conventions**

**Tier 2 (4)**

* **Robustness and efficiency of the code**
* **Dynamic / Interactive**
* **External/advanced libraries**

**Tier 3 (4)**

* **Independent initiative (going beyond what has been covered in the course)**

**Project Phase 7 - All three features and Documentation (6%)**

**Individual Submission through blackboard**

Please upload all the code and readme file to GitHub

* Database driven, object-oriented, interactive web application feature/functionality
* All the functionality for the project
* readme file  - Properly documented using Markdown ( <https://guides.github.com/pdfs/markdown-cheatsheet-online.pdf> )
* Deploy the project to a server
* Fully functional, error handling, commenting, efficient coding, and implementing PHP coding standard ( <https://www.php-fig.org/psr/psr-1/> )
* Database Models for the feature( classes to interact with the database, CRUD)
* Admin and public interfaces for the feature ( interacting with the database / API)

**Project Phase 8 - Presentation and Deployment (6%)**

**Project Presentation (3%)**

* **Each group will get 20 minutes to present the final project.**
* **Everyone is required to present their project**
* **It will be a technical presentation where each team member will present one feature and explain their code, learning curve, challenges, and how did you overcome your challenges**

**Project Deployment (3%)**