Universidad Ana G. Méndez
CPEN 410 Mobile, Web and Internet programming
Spring 2020

Mini eBay - Second project
Deadline: May 12th, 2020

A. **Description**
   You are asked to implement a bid-based-online store
B. **Requirements**
   You are to implement a computer program with the following capabilities:
   1. User accounts including: sign up and login.
   2. The products must be classified by departments (e.g, Electronics, computers, books).
   3. The user must be able to sell a product classified by department. When registering the product, the user must include a product name, a description, a starting bid value, a picture, and a due date.
   4. The system must provide a search box with the capability of refine the search based on department and type. However, the default search must be executed on the entire product database.
   5. The searching results must be list with the product description (Name, department, type, and current bid) and a picture.
   6. Once the user selects a product, the system must present a new page with the complete product description including a bigger picture.
   7. Once the user intent to make a bid for a product, she must be logged in the system. She must enter the bid value, and the system must show the highest bid for the product.
   8. The system must provide an administrator role with the ability to add, modify, and remove users, products, and departments.

C. **Submission and defense**
   You are asked to submit your source code using Blackboard on or before May **12th, 11:59 PM.** This project must be implemented in teams of, at most, 2 students.

   You must submit a .zip file with your source code and database script generator for MySQL and your zip file must be identified as follows:
   1_<Student1_last name>_<Student1_ first Name>_<Student2_last name>_<Student2_ first Name>.zip
   (e.g. 2_Vergara_Idalides_Alvear_Alcides.zip)
D. **Rubric**

   60% - Program implementation
   20% - Project Defense
   20% - Code documentation including: the database schema, UML diagram, page data-flow and data dictionary.
   10-bonus points for the final exam: Responsiveness and CSS.