Service Marketplace v4

1. Background
Image the following scenarios:
1) You want to hire someone to paint your house.
2) You need to find someone to mow your lawn on a weekly basis.
3) You will be on vacation for two weeks, and want someone to watch your dog.
4) A company wants to develop a mobile app to enhance customer relationships.
5) A couple wish to hire a photographer to take pictures in their wedding next month.

2. Requirements (85 points)
Design and develop a website to allow people to post their service requests and allow service providers to bid on the services. The website is free to both clients and service providers and is not involved with (making or receiving) payments for the services. Some key requirements of the website are described as follows.

Through the web, any web user (including a non-registered user) can perform at least the following tasks.

Task	Brief description
Search service requests	A web user searches service requests by keyword.
Create an account	A web user creates an account and becomes a registered user so that to post a service request, bid on service request, or do both.
View comments to a client	A web user can view comments and ranks which service providers gave to a client.
View comments to a provider	A web user can view comments and ranks which clients gave to a service provider.

Clients can perform at least the following tasks.

Task	Brief description
Post a service request	A client posts a service request.
Update a service request	A client updates his service request.
Close a service request	A client closes his service request.
Receive a bid from a provider	A client receives a bid from a service provider.
View service requests	A client views all his service requests (including closed requests).
Post a comment and rank to a provider	A client posts a comment and rank to a service provider which completed his service request.

Service providers can perform at least the following tasks.

Task	Brief description
Bid a service request	A service provider bids on a service request.
View bid history	A service provider views all bids he has placed.
Posts a comment and rank to a client	A service provider posts a comment and rank to a client after he finished the client's service request.

You need to develop the above-mentioned key features. Besides, you can design and implement new features not mentioned in this document. Your scores depend on the quality of your design and implementations. Specifically, the evaluation considers
1) the quality of your design and implementation of the systems (including the database system);
2) the quality of your design and implementation of graphical user interface;
3) the quality of implemented required features;
4) the quality of features you add on;

3. Deliverables
- **Important Dates**
  - By 5 PM PST of April 8, 2016: **All files and assets should be packaged in either a zip file or uploaded into a Github repository and able to be downloaded and run on a user's machine.** This package should contain:
    - All website code
    - All data processing code
    - Deliverables may be sent to itccases@gmail.com. See Documentation for more details.

    Any code/files needed for your database, such as libraries/scripts used to process the data, should also be packaged with your zip file or Github repository such that your solution will run without needing to be debugged.
  - By 5 PM PST of April 14, 2016: Each team must submit their presentation slides that will be used on the day of the competition.
  - April 16, 2016: Oral presentation and interview to the panel of judges.

- **Documentation (5 points)**
  - README file that describes the architecture/design of the systems, enumerate and explain features of the system, show how different programs interact. If you implement new features, clearly state them. This document also explains the database design and shows how tables are related. The documentation can be sent to itccases@gmail.com. Please follow this format for submission:

    Web Applications Development – Team Name - Documentation

- **Oral Presentation and Response to Questions (10 points)**
  - Describe the features and architecture/design of the system and explain how different programs interact. If you implement new features, specify them.
  - Explain the database design and show how tables are related.
  - Demonstrate your system and answer questions.