

ServiceSearch - Mines Philanthropy Council Web App

Client

Mines Philanthropy Council (MPC)

Faculty Advisor: Terry Bridgman (tbridgma@mines.edu)

MPC is CSM club focused on supporting philanthropic efforts on campus. Along with support from the Mines Foundation, MPC has been able to raise funds to support 2 “Shark Tank” competitions which have, to date, awarded approximately \$20,000 to a variety of campus initiatives.

Project

The Mines Philanthropy Council would like to implement a “crowdfunding” web site, ServiceSearch, that sources people to projects rather than money. Similar in concept to that of KickStarter or GlobalGiving, this site would allow individuals or groups of individuals to sign-up with registered local events or projects in need of volunteer support.

Requirements of the application center around three aspects of interaction:

1. Client

- (a) A client seeking volunteers should be able to submit a service opportunity which would include
 - Number of volunteers needed;
 - Opportunity Logistics (start time, end time, location, campus vs. community event, etc);
 - Brief Description; and
 - Event logo (within reason).
- (b) A client should be able to cancel an event, with a corresponding email notification sent to the current listed participants indicating the cancellation.
- (c) A client should be able to specify the completion status of the event with information such as “successful event”, “this user did not show as promised”, etc.

2. Volunteer

- (a) A volunteer (or group of volunteers) should be able to sign up for a project, indicating name and number of participants.
- (b) Upon registration, the indicated participants and the event client would be sent an email confirmation of the commitment.
- (c) 24 hours prior to the project start, the participants would be sent an email reminder.
- (d) A volunteer should be able to “back out” from a committed event (within reason).
- (e) A volunteer should be able to see a list of potential events sorted by name, date, distance, type, immediacy or keywords for the event. The resulting list of events should include all event specifics as provided by the client, including number of volunteers sought, number of volunteers committed thus far (even if 0). The resulting list of events should not include any past events (as determined by their end time and the user’s current time).

3. Administration

- (a) The administrator of the site should be able to track site statistics such as site traffic stats, event stats such as number of events fulfilled and user stats, such as enrollment levels or number of events participated in.
- (b) The administrator should be able to remove an event from availability if necessary.
- (c) The administrator should be able to register a client, client’s event or a volunteer.

- (d) The administrator should be able to remove a volunteer from the registered users of the site, if necessary.

Skills Required

Currently, it is envisioned that this site will reside within the CSM IT infrastructure. Thus, in addition to software development skills as they pertain to web application development (possibly including but not limited to html, javascript, JAVA and/or .NET, and SQL), knowledge of those technologies supported/allowed by CSM IT are highly recommended.

Also, it is expected that this application would be rolled-out campus wide at the conclusion of this development effort. Thus, in addition to the development skills listed above, it would be desirable for at least one team member to have expertise and interest in designing the look-and-feel of the site (e.g. familiarity with user-interface design or graphical design packages such as Adobe Photoshop and/or Illustrator).

Team Size

It is estimated that 3-4 students would be required to complete this project.

Internship Availability

There is no possibility of an internship. However, assuming a successful roll-out and a positive reception to this web site, there may be a limited future opportunity for additional maintenance and/or updated functionality. Any and all team members (if they so choose) will be credited on the site for their contribution to this philanthropic effort.