Jannel Gonzales

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January 31, 2014

**Customer Contact Information**

Dr. Daniel W. Goldberg

Lead Researcher and Creator of TAMU GeoInnovation Service Center

Location: CSA 305 Tel: 979.845.6395

Texas A&M University Assistant Professor of Geography

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**RE: Geography 476 Project Memo GIS Day Application**

PROJECT - mobile phone application + website event data & extra credit possibilities

* Develop mobile application, first on Android system then iPhone/iPad, for use by Texas A&M campus population during GIS events.
* The mobile phone application needs to be linked to the A&M gisday.tamu.edu website and geodatabase
* The website and application will be uniquely suited for teachers VS students use; each will have different permissions and available data input/edit requests once logged in, based on which role/position they provide proof for
* The physical website will be better suited for initial event information entry and for teachers to log in and add all the events they encourage & will give extra credit to students for attending, per each class they teach
* The cell phone application will be better suited for visitor & student use: to check if or which events are available as extra-credit, where & when they occur, live “check in” as they scan the QR code at event and guests to use for navigation to and from GIS day event locations on campus
* These requests will require work on a website design, organization and management of geo-database, server administration, and the actual application framework

GOALS

1. Website
   1. Allow professors to identify themselves at log in and input their classes each semester;
   2. Allow for certain privileged users (professors, faculty, geoservices?) to input the event location, time/date, speaker, and detailed information
   3. Once GIS events are inputted & approaching, teachers should be able to log in and list the event as either available for extra credit if attended or not per class they teach
2. Android Application
   1. Provide helpful assistance for guest speakers or visitors to campus events:   
      where & when events occur  
      where those places are\*\* and   
      possibly an additional layer or routing extension to use for navigation to and from visitor parking lots & GIS day event locations on campus
   2. Allow students to identify themselves, possibly which classes they are enrolled in
   3. Show data about classes for extra credit or not, and event information
   4. Develop QR code for “check in” and marketing the app: check in allows students to prove their attendance at the event by scanning the QR code
3. iPhone Application
   1. - ESRI INTERNATIONAL DEVELOPER SUMMIT – iphone application training
   2. Follow the base framework of Android application ^ Incorporate the event data, log in identification differences, map for locations and professors’ classes + event extra credit possibilities
   3. Once completion of Android application is finalized, be sure to use as much of the same graphics, colors, and theme as the android product for the iPhone GIS Day final product (as a start to the beginning of TAMU Geoservices application branding ☺ )

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| TIMELINE Texas A&M Geo-ServicesG I S - DAY PROPOSAL | |
| DATE: January 31, 2014  RE: GIS Day Application | TO: Dr. Daniel W. Goldberg |
|  | |
| Student Technician Schedule: DATE | |
| Initial Research & Planning Android ADT Set-up 1/03/2014  Android ADT Familiarization 1/05/2014 - 1/ 10/2014  Android ADT Practice 1/15/2014 - 1/23/2014  Met with Sustainability event mentors 1/24/2014  Set up database tables for initial website 1/27/2014 Website Set - up Initial website with raw data input 1/31/2014  Website log on and log off + user info 2/03/2014  Website data organization, push, save & use // testing 2/07/2014  Establish Security & Permissions 2/14/2014 Android Application Establish log on identification methods 2/21/2014  Set – up the flow of event, professors, extra credit and mapping pages  Set – up the individual pages + behavior 2/28/2014  Application testing 3/03/2014 iPhone Application ESRI DEV SUMMIT – iPhone application training 3/08/2014 – 3/13/2014  Log on/off 3/14/2014  Follow Android theme & components 3/19/2014 – 3/26/2014 | |
| TOTAL SET UP (DoD TRL = 7) 3 full months + Testing  Support, approvals, and check-ups are welcome daily. Details not explicitly listed above and added functions are subject to a change in the entire project schedule, however changes are welcome and will be accommodated. | |

YOUR RESPONSIBILITIES

This project demands significant amounts of research time and efforts on my behalf. There are parts of this project which I have to spend many hours - just figuring it out. That said, I would rather not waste time trying to figure out what the best layout would be, back ground image or color theme should be. I am going to show you what I have at designated meeting times, and I really need you to pick the detailed application parts, fonts, colors and fluffy stuff. I know you just love making things look pretty! We will need to meet once every other week in my or your office so I can show you the files or website pages I have worked on.   
To help achieve a smooth and successful implementation, it will be your responsibility to respond with the best fitted dates, selected from the choices listed below, which you could schedule a 30minute – 1 hour meeting for project status. You should also add in 2-3 times or a large time range for the date chosen. I will re-send the dates and one-time per date which fits into my schedule, assuming all of the dates works out.   
  
We will meet in the CSA 305 office unless otherwise informed:

1. Wednesday February 5, 2014 or Friday February 7, 2014

Time(s):

1. Monday February 17, 2014 or Friday February 21, 2014

Time(s):

1. Monday March 3, 2014 or Wednesday March 5, 2014

Time(s):

1. Monday March 17, 2014 or Friday March 21, 2014

Time(s):

1. Monday March 31, 2014 or Wednesday April 2, 2014 \*\*\*

Time(s):

The project goals and products will be reassessed at each, but most definitely the final, meeting time. Assuming the previously listed feature goals and schedule are adhered to correctly, there should be enough time between the last meeting and before course ending and to do edits, larger numbers of testing, and minor changes.

I appreciate the opportunity to service your research and development requests. If you want to accept this proposal, please sign one copy and return it with 5 dates and times filled in for project status meetings.

Sincerely,

Jannel Gonzales

Student Technician

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| RESPONSE This letter correctly sets forth the project goals and requests which I agreed upon and to pay for. | | |
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| Accepted by | Title | Date |