University of Massachusetts
Department of Computer Science

Request for Project (RFP) Form

Project Title   User Logging System and Message Center Tool

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Company: Naval Undersea Warfare Center Division Newport

Date: 28 August 2018

(To be completed by UMass)

Team Number: _____

Student 1:   _____
(Project Manager)

Student 2:   _____
(Chief Systems Engineer)

Student 3:   _____
(Project Controller)

Student 4:   _____

Student 5:   _____

Advisor: _____

University of Massachusetts Senior Design
Project Request Form

Title:
User Logging System and Message Center Tool

Description:

This RFP proposes to develop and demonstrate a tool to facilitate the logging enter/exit of people and equipment from/to the Undersea Warfare Rapid Innovation Center (USWRIC).

The USWRIC is multipurpose collaboration and innovation center featuring a large variety of computing assets and tools. The room is open and manned throughout the work day but off-hour access is available. There is a need to maintain user statistics, display messages about activities in the center, as well as manage and schedule access to the equipment within the USWRIC. The system would allow the USWRIC users to sign themselves in/out, schedule usage times for various assets, and log equipment in/out of the USWRIC. The system would also allow the administrator to display daily messages and calendar events, as well as run reports detailing equipment locations, users and usage statistics.

Scope:

High-level System Requirements (not complete):
- *System will be password protected to ensure the safety of Personally Identifiable Information (PII),*
- *A Graphical User Interface (GUI) will provide user access and administration capability*

Technical direction will be provided, as needed, to assist in the development a complete set of Use Cases and Requirements, as well as the design and implementation.

Known constraints (if any):

- Hardware (subject to change)

  Android tablet and Windows 10 PC

- Software (subject to change)

  TBD

Deliverables:
The project will require software development. The deliverables shall include the following:
- *Project report hardcopy and electronic copy on CD ROM , consisting of:*
    1. *Design documentation including use-cases, requirements, class diagrams, system level diagrams, test plan, and test results as appropriate.*
    2. *User documentation which may include setup, usage, API, etc*
    3. *Source code for all developed components*

Legal:
Unless otherwise specified all information is the property of the Naval Undersea Warfare Center Newport, RI and the University of Massachusetts, Dartmouth, Massachusetts.

Special Instructions:
None.