COSC 5030 – Agile Software Development

Project Proposal

# Project Description

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| **Project Title** | SAS Application Management System (SAMS) |
| **Developers** | Kurt Andrews and Brian Royer |
| **Language** | C++ |
| **Project Description** | The SAS Application Management System will allow developers and managers maintain data about developers, projects, teams, programs that will be used to configure paging, notification, and environment defaults for applications running in A SAS environment.  The data also keeps track of processes during execution. The data captured includes the start and end times of the process as well as the process status during execution. SAMS does not create this process data, but SAMS should provide an interface for viewing and querying the data. |

# Suggested Initial Feature List

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| --- | --- | --- | --- |
| **Need** | **Priority** | **Features** | **Planned Release** |
| Manage Employees | High | * Add employee * Change employee * Remove employee |  |
| Manage Teams | High | * Add team * Change team * Remove team |  |
| Manage Subscriptions (support notifications and user notifications) | High | * Add Subscriptions * Change Subscriptions * Remove Subscriptions |  |
| Manage Programs | High | * Add program * Change program * Remove program |  |
| Manage Projects | High | * Add project * Change project * Remove project |  |
| Manage Applications | High | * Add application * Change Application * Remove Application |  |
| Simulate Events | High |  |  |
| View Events | Low | * Display event log * Query event log |  |

# Feature Time Log

**Team Velocity: 15**

| **Feature** | **Estimate (Hours)** | **Actual (Hours)** | **Date Implemented** |
| --- | --- | --- | --- |
| **Manage Employees**   * Add employee * Change employee * Remove employee * Display employee   Requested Release: 1/16/2012   * Added full-time attribute   Requested Release: 1/23/2012   * Full-time employees have a benefit account * Withdraw/Depsoit   Requested Released:  2/6/2012   * Temp employee * Address class   Requested Release: 3/5/2012 | Total: 15   * 3 * 3 * 5 * 2 * 1 * 7 * 3 * 4 * 2 | Total: 15   * 3 * 3 * 5 * 2 * 1 * 7 * 2 * 6 * 2 | Released: 1/16/2012  1/14/2012  1/14/2012  1/15/2012  1/14/2012  1/20/2011  2/1/2012  2/4/2012  3/4/2012  3/4/2012 |
| **Manage Applications**   * Add application * Change Application * Remove Application * Display Application * External class modifications   Requested Release: 2/27/2012   * High Security vs Low Security Applications   Requested Release: 3/5/2012 | Total: 12   * 2 * 2 * 3 * 1 * 4 * 5 | Total: 10   * 1 * 2 * 2 * 1 * 4 * 4 | Released: 2/24/2012  2/23/2012  2/23/2012  2/23/2012  2/23/2012  2/24/2012  3/2/2012 |
| **Manage Teams**   * Add team * Change team * Remove team * Display team   Requested Release: 1/23/2012 (delayed)   * International Team   + Member join date * Domestic Team   Requested Release: 2/20/2012   * International Team consists of only Full Time Employees   Requested Release: 2/27/2012   * International Team can only support low security applications   Requested Release: 3/5/2012 | Total: 17   * 3 * 3 * 5 * 2 * (Fix) 4 * 3 * 2 * 1 * 2 * 2 | Total: 16   * 4 * 2 * 4 * 2 * 4 * 4 * 3 * 1 * 1 * 2 | Released:  1/30/2012  1/30/2012  1/30/2012  1/30/2012  2/17/2012  2/17/2012  2/16/2012  2/24/2012  3/3/2012 |
| **Manage Projects**   * Add project * Change project * Remove project * Display project   Requested Release: 2/13/2012 | Total: 12   * 3 * 3 * 3 * 3 | Total: 9   * 3 * 2 * 3 * 1 | Released: 2/13/2012  2/9/2012  2/9/2012  2/10/2012  2/10/2012 |
| **Manage Programs**   * Add program * Change program * Remove program * Display program   Requested Release: 1/30/2012 | Total: 6   * 2 * 1 * 2 * 1 | Total: 4   * 1 * 1 * 1 * 1 | Released: 1/30/2012  1/28/2012  1/28/2012  1/28/2012  1/28/2012 |
| **Manage Subscriptions**   * Add subscription * Change subscription * Remove subscription | Total: 8   * 3 * 2 * 3 | Total: | Released: TBA |
| **Simulate Events** | Total: 12 | Total: | Released: TBA |
| **View Events**   * Display Event Log * Query Event Log | Total: 10   * 4 * 6 | Total: | Released: TBA |
| **Data Persistence**   * Employee * Team * Program   Requested Release: 1/30/2012 | Total: 6   * 2 * 2 * 2 | Total: 5   * 2 * 2 * 1 | Released: 1/30/2012  1/26/2012  1/30/2012  1/28/2012 |