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| **Team Effort**  **Soccer Team**  **Management System**  Milestone 2 |
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Table of Contents

1. Introduction 3

1.1 System Description 3

1.2 Current System Status 3

2. Changes From Previous Milestone 3

2.1 Code Improvements 3

2.2 Team Management 4

2.3 Versioning System 4

4. Milestone (Revised) 5

2.1 Previous Milestones 5

2.2 Future Milestones 5

5. Testing 5

5.1 Unit Testing 5

5.2 Build and Smoke Tests 5

5.3 Defect Estimate 5

5.4 Bug Reporting 5

6. Risk Evaluation 5

6.1 Risk Report 5

6.2 Risk Re-evaluation 5

7. Team Personnel 5

7.1 Role Redefining 5

7.2 Lead By Group 6

8. Activity Report 7

8.1 Work Completed 7

8.2 Activity Log 7

9. Design Artifacts 7

9.1 Modified 7

9.2 New 7

10. Conclusion 7

# 1. Introduction

## 1.1 System Description

The project chosen for the class is a Soccer Team Management System, developed by TeamLeader in CMPT 370 in 2011. The software is a web-based system which relies on a database to store and access all types of information. A variety of programming languages are utilized in the project including Java, JavaScript, MySQL, CSS, and HTML. The project was developed in NetBeans IDE and will be done so for this class as well.

## 1.2 Current System Status

The current system is operational and functions as expected, with few bugs. This milestone has seen the development of an extensive testing system using JUnit as well as the improvement of the graphical user interface usablity ability by developing a navigation bar. The team is planning to add to its functionality in upcoming milestones and fix any bugs that are being catalogued and tracked.

There has been a switch version control systems for the project to GitHub and members of Team Effort are currently in the process of familiarizing themselves with the version control tool.

# 2. Changes From Previous Milestone

## 2.1 Code Improvements

An improved user interface is being introduced in Milestone 2. A new navigation bar will allow users to quickly navigate through the applications pages. A user will quickly be able to change from adding a team to adding a player. Quick navigation allows users to perform more actions faster, with fewer clicks. The navigation bar will allow for the application to follow the *three-click rule* that suggests any user of a website/web-application should be able to find the information or perform the action that they are attempting to perform in three clicks or less.

The project’s source code has been transformed into a unified style using TXL. Using TXL all source code, no matter the author and their own styling preferences, can easily be transformed to a single style. The single style will allow for easy readability and prevent the introduction of new bugs due to poor readability when modifying code in addition to aiding the ability to review code and spot bugs that have already been placed in the source code. Team Effort will continue to modify the TXL grammar throughout the project to conform to the group’s agreed upon coding style.

## 2.2 Team Management

Team management has changed both in terms of leadership and in terms of philosophy. Group members will take turns being the group leader, however, the role of the group leader has changed. The group leader will perform the tasks that are required prior to submitting the milestone such as finalizing the milestone document, running TXL on the source code, performing a MySQL dump on the database, and the actual submission of the milestone. The change to the requirements of the group leader role has occurred because of a change in philosophy. Team Effort believes consensus among all group members is extremely important and thus, instead of being lead by a dictatorship, the group will lead by building consensus. The details of the consensus building will be discussed further later in this document.

## 2.3 Versioning System

Team Effort originally planned on using SVN as its project’s versioning control system. However, over several weeks, it became apparent that SVN would not be usable by the group. The SVN repository set up by Computer Science IT was not accessible by group members through off campus computers as a result of SSL Certificate errors. After filling bug reports with Computer Science and several attempts to resolve the problem, Team Effort decided that the time spent trouble shooting could be better spent else where in the project, so we migrated from SVN version control, to GitHub. GitHub presented its own issues as no member of the group has used it before and documentation is not as extensive as SVN, however so far, there have been no issues.

# 4. Milestone (Revised)

## 2.1 Previous Milestones

## 2.2 Future Milestones

# 5. Testing

## 5.1 Unit Testing

## 5.2 Build and Smoke Tests

## 5.3 Defect Estimate

## 5.4 Bug Reporting

# 6. Risk Evaluation

## 6.1 Risk Report

## 6.2 Risk Re-evaluation

# 7. Team Personnel

For the second milestone the team’s roles have been redefined in addition to the leader, mostly a figure head, also changing. The leader in this milestone will be Steven Hancock who will be the main contact person for the group as well as in charge of handing in the milestone.

## 7.1 Role Redefining

Roles have been redefined so that every group member will have the opportunity to enrol in every role for at least one milestone. However, there has been an adjusted of the number of coders and those performing the testing and reviewing. Because the focus has changed from development to testing we have added two Testers/Reviewers and removed two coders. The redeployment of roles for this milestone will allow us to implement extensive JUnit testing. Team Effort’s roles are as follows.

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| --- | --- |
| Role | Name |
| Documentation/Presentation (& Leader) | Steven |
| Documentation/Presentation |  |
| Documentation/Presentation |  |
| Coding | Tom |
| Coding | Adam |  |
| Testing/Peer Review | Amin |  |
| Testing/Peer Review | Simon |  |
| Testing/Peer Review | Patrick |  |
| Testing/Peer Review |  |  |

## 7.2 Lead By Group

During Milestone one Team Effort was able to reach important decisions by forming a group consensus. As of such, Team Effort believes that having a static group leader does not conform to the reality of the group’s structure. Consensus building removes potentially unpopular, non-scrutinized, dictated decisions and ensures every important decision is thoroughly discussed and agreed upon by the entire team.

Important decisions will be discussed in group meetings, *Consensus Through Discussion*. As an example Team Effort had difficulties with the SVN server that was hosting the Soccer System project. The group was facing the prospect of having a project that had no version control system. During a group meeting, members of Team Effort discussed the pro’s and con’s of changing version control systems and came to a consensus during the discussion that GitHub should be used instead of SVN. As a result of consensus through discussion the entire group was able to come to a single decision through input from all group members.

*Consensus Through Editing* will govern consensus building for minor decisions. For decisions that have to be made quickly and have little affect on the rest of the project there is not time to discuss during group meetings. For instance, take the decision to include this paragraph in this document. The author had to develop it on the fly, with little input from other group members. However, if this paragraph makes it to the final revision of this milestone it has been agreed to by consensus through editing. Any decision that is not disputed or reverted by a group member other than the author can assumed to be agreed upon by consensus. This is because of our extensive review process, every decision will be reviewed, whether that is code or documentation, by at least one peer, if that peer does not edit the decision that was made in that code or documentation it is assumed that that peer agrees with the decision made by the author. This principle is at the foundation of Wiki documentation.

# 8. Activity Report

## 8.1 Work Completed

## 8.2 Activity Log

Place GitHub Log here.

# 9. Design Artifacts

## 9.1 Modified

## 9.2 New

# 10. Conclusion