

# **Cricket Team**

## Final Report

First Iteration  
Fall 2019

Brandon Franke (Team Lead)  
Nicholas Deschenes  
Elijah Whynot  
Jiashu Li

December 2019

# Table of Contents

<b>List of Deliverables</b>	<b>2</b>
The Code	2
The Database	2
User Manual	2
Presentation and Demo	2
Final Report	2
<b>Project Background Summary</b>	<b>2</b>
<b>Project Description</b>	<b>2</b>
<b>Comparison of Planned Versus Actual</b>	<b>3</b>
<b>Outstanding Issues</b>	<b>4</b>
<b>Original Scope and History of Approved Changes</b>	<b>4</b>
<b>Ongoing Support Required and Duration</b>	<b>4</b>
<b>System Documentation</b>	<b>5</b>
Front End	5
Back End	5
Local Development	6
<b>List of Training Material</b>	<b>7</b>
<b>Project Sign-off</b>	<b>7</b>

# List of Deliverables

This project includes several deliverables. These deliverables will be presented to the client and delivered to the next team that takes on this project. The following is a list of these deliverables:

## **The Code**

The code we are delivering is a mix of HTML, CSS, Bootstrap, PHP, JS, MySQL. All the code is required to build the website and backend.

## **The Database**

The Database is used to store data such as user information, teams, news, clubs, alerts, and the relationships between these. This is provided in a SQL file in the repository for local development and the hosted database.

## **User Manual**

This document includes a user manual for next iteration's developers. It outlines how to get started with MAMP and run the website.

## **Presentation and Demo**

The presentation will include the progress we have made for this iteration. The demo will showcase the features that have been implemented into the website.

## **Final Report**

The documents contains the final report for this iteration of the project. It includes detailed breakdown of what and what was not completed for this iteration.

# Project Background Summary

The client for this project is the NS Cricket Association, with the contact being Mr. Khurram Aziz. After going through the RFP (Request For Proposal) and speaking with Mr. Aziz, the team has come to the conclusion that the project calls for a revamp to the front-end of the NS Cricket Association, and create a backend that meets future requirements of the website.

# Project Description

This project will develop in the form of a new website with new databases acting as back-end. The current website is limited in its functionality and usefulness to Mr. Aziz's organization. The goals for the new website, and project are to facilitate newer kinds and more diverse categories of users to register, make the availability of some sections of information more transparent and visible, create basic administrative functionality, and create a platform where new developers can easily dive into the code and continue development on this project.

# Comparison of Planned Versus Actual

The table belows shows which features have or have not been implemented during this iteration. A feature could be documentation or a website functionality

## Table Legend

*Completed* = feature has been fully implemented into the system

*Partially Complete* = feature has been worked on, but either not fully integrated or completed.

For example, template HTML may have been completed, however it does not yet communicate with the database

*Outstanding* = feature has not been worked on or implemented into the system

Planned Features	Actual Progress
Database ERD	Completed
Database	Completed
Sitemap	Completed
Template webpages for ALL website in the sitemap	Completed
Login and Register	Completed
Profile Page	Completed
News Page	Completed
Clubs Page	Completed
Administrative Console	Partially Completed
Email Functionality for Admins	Completed
Admins can submit News	Completed
Website Analytics	Outstanding

# Outstanding Issues

The following are the issues that are outstanding at the end of the project:

## **Website Analytics**

This may require additional database tables. As time progressed for this iteration, it was clear that website analytics would not be possible.

## **Administrative Console**

The administrative has been been fully completed. A few features are currently working, however, given time constraints, we were not able to implement every feature.

# Original Scope and History of Approved Changes

The original scope for this project was constructed using the guidelines provided by the client. It was outlined initially after the first meeting and refined throughout the progression of the course. There were two primary focuses within the scope of the project; To build a database to house data concerning the teams, clubs, members, etc of the Nova Scotia Cricket Association, and a website wherein one could manage teams/clubs/members, and create an account.

As with many development projects, some changes were required during the execution phase to our scope. The first major change came from the client requesting a restructure of the database. While this change was being implemented the front end facet of the project also progressed.

Unfortunately, given the time restraints of the school term and some managerial issues our team encountered during the beginning of the course, our team was unable to complete all of the original goals outlined in our scope; The administrative console was only partially completed due to time constraints and resources with respect to student experience. Furthermore the website analytics aspect of the website was not able to be completed again due to time constraints.

# Ongoing Support Required and Duration

Ongoing support will not be required. All code, along with any SQL is provided in the GitLab repository. All account information to access the web server and database is also provided. Any issues regarding the web server can be taken up with the Computer Science Faculty. If there are any major concerns for the next development team, they can contact the Team Lead for this iteration.

# System Documentation

## Front End

The front end web portal can be viewed by going to

**[https://web.cs.dal.ca/~projectnsca/khurramaziz\\_cricketassociation/client/](https://web.cs.dal.ca/~projectnsca/khurramaziz_cricketassociation/client/)**. We have retrieved a CS account from the CS helpdesk so we can use Bluenose to host the site, and database on. To connect to **bluenose.cs.dal.ca** you are able to SSH into the server using the following credentials: **username: projectnsca** and the **password: projectNSCA**.

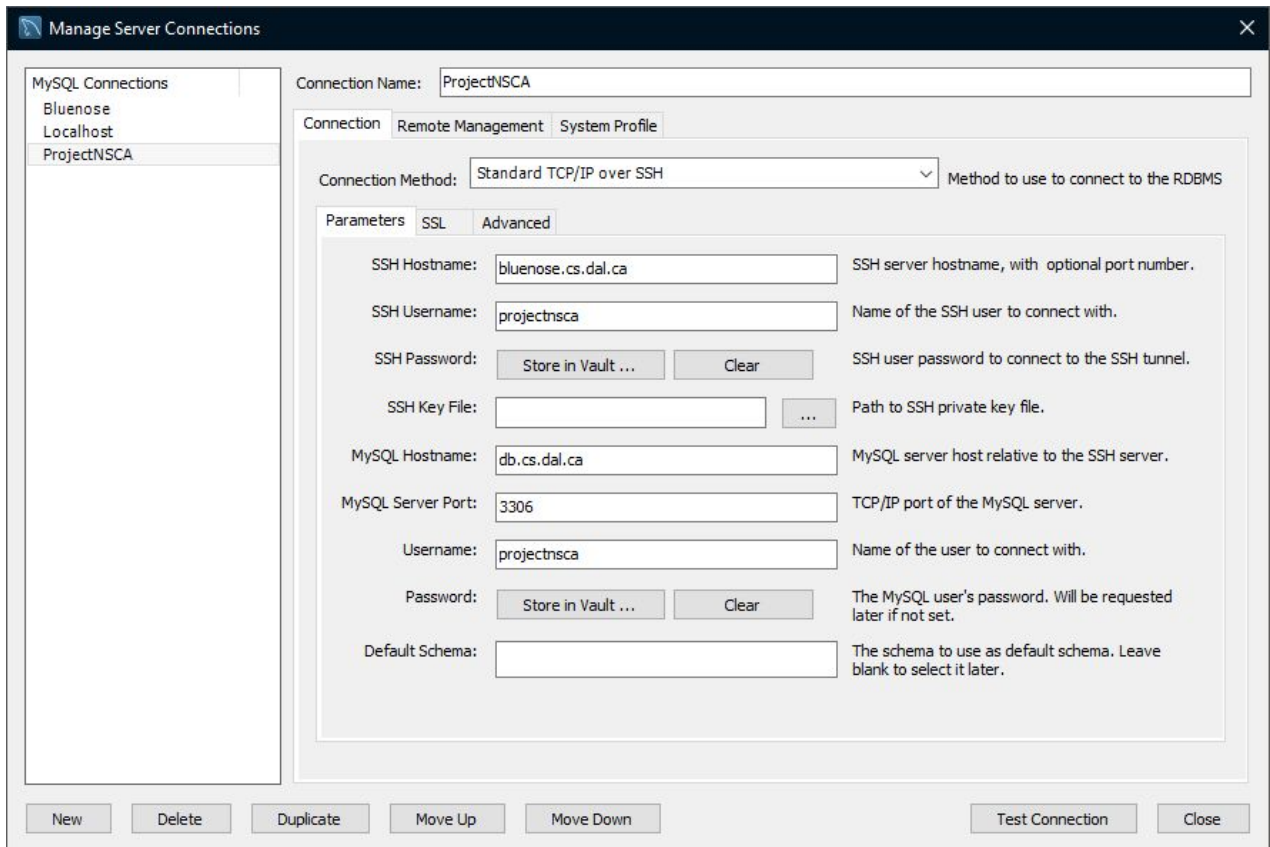
Updating the website can be done through SSH or any FTP Client. To connect via FTP you will use the same credentials as when you SSH **username: projectnsca** and the **password: projectNSCA**. It is important to note any directories that are created will need the permissions set to 755 this can be done by running the following command: **chmod 755 DirectoryName/**, for any file that is created it will need the permissions set to 644 this can be done by the following command: **chmod 644 FileName.FileType**.

## Back End

As we are hosting this site on bluenose.cs.dal.ca the database is being hosted on db.cs.dal.ca. To make modifications using phpMyAdmin you can go to the following link and login with the given credentials: **<https://myadmin.cs.dal.ca/>** and using the username: **projectnsca**, and password: **B00projectNSCA**

If you would like to modify the database using an IDE such as MySQL Workbench you will need to enter the SSH credentials: hostname: **bluenose.cs.dal.ca**, username: **projectnsca**, password: **projectNSCA**. For the MySQL connection information the following credentials should be inputted: hostname: **db.cs.dal.ca**, port: **3306**, username: **projectNSCA**, password: **B00projectNSCA**

The database can also be accessed through MySQL workbench using the information shown in figure 2 below. The SSH hostname should be entered as **bluenose.cs.dal.ca**, not **db.cs.dal.ca**.



**Figure 2:** Access database from MySQL workbench.

## Local Development

If a developer would like to work on the project locally, this will require an apache tool such as MAMP. This allows the developer to have their PHP requests served. Once MAMP has been downloaded and installed you will need to open the preferences tab and navigate to the web server tab, and set the **Document Root** to the client directory. You will also need to open the MAMP phpMyAdmin and run the SQL files that are located in the **db/Dump Files**, this will ensure that you have the tables setup, and temporary data to test and develop the site with.

## User Manual

This project is built using PHP, HTML and MySQL. Additional libraries or frameworks include bootstrap, composer, and swiftMailer. It is hosted on Dalhousie's GitLab.

To get started:

1. Download, install and run [MAMP](#). This program will allow you to run a local server. This is required for the code to compile.
2. Use Git to pull all data from the **master** branch in the git repository.

3. In MAMP settings, point the web server to the location of **KhurramAziz\_CricketAssociation/client**. This is the document root of the web server. The website will not work if this is not the chosen document root.
4. Navigate to **localhost/phpmyadmin**. This will be your database. Click on import. Copy/paste the SQL code in “database.sql”. Run the SQL. This will generate all the tables for your database.
5. Navigate to **localhost** in your browser OR click **open Webpage start** in MAMP. This will take you to the homepage.
6. Done. You should see all the data from the database populate in the various parts of the website.

## List of Training Material

The next development team should have some knowledge of the following:

- Bootstrap
- Material Design for Bootstrap
- CSS
- HTML
- JavaScript
- MAMP
- MySQL
- PHP

## Project Sign-off

By signing below, the client, team leader, and team members have all read this report and agree to conclude this iteration of the project.

Team Leader: \_\_\_\_\_

Client: \_\_\_\_\_

Date: \_\_\_\_\_