**RosterSniper**

Software Requirements Specification

*RosterSniper\_RequirementsV1.doc*

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# **Purpose of Document**

This document bears the assemblage of requirements to expand on the RosterSniper Web Application (https://rostersniper.com). The requirements are split into 3 categories; Functional, Nonfunctional and Domain…

Priority Levels:

| **Notation** | **Priority Level** |
| --- | --- |
| **1** | Urgent |
| **2** | High |
| **3** | Medium  (time allowing) |
| **4** | Low  (nice to have) |

# **Domain Requirements**

| **Priority Level** | **Requirement** | **Justification** |
| --- | --- | --- |
| **1** | System meets standard web compatibility, on up-to-date browsers. | Provides accessibility of the system through preferred domain. |
| **4** | System will extend to a *RosterSniper* progressive web app | To expand the userbase and to provide options. |

# **Functional Requirements**

| **Priority Level** | **Requirement** | **Justification** |
| --- | --- | --- |
| **1** | Fix a “minor bug” with seat numbers | As the client states, “It is a blocker for everything else” |
| **2** | Create a push notification system that users can opt-in and out of.  Alternatively, sms notifications may be utilized, or added alongside. | To help ensure the user is notified of changes to the courses they are following  (Client Suggestion) |
| **2** | Add support for additional Colleges that also utilize D2L Banner | To spread the utility to other campuses’ students |
| **2** | Add support for users to directly enter specific times into the search filters, should they prefer that over the pre-existing time selection menu. | To extend the system to further satisfy use cases.  (Client Suggestion) |
| **3** | Add support for the 24 hour time format. | Some users may prefer the 24 hour time format over the standard 12 hour format.  (Client Suggestion) |
| **4** | Additional UI and general QOL changes, such as minimizing individual class cards in search results. | These functions, while not essential for the program to function or fit the clients needs, will improve the user’s experience with the application. |

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# **Non-Functional Requirement**

| **Priority Level** | **Requirement** | **Justification** |
| --- | --- | --- |
| **1** | The application should always have updated and accurate seats. | To keep the integrity of the system’s workflow |
| **1** | The application should be responsive and fast | Essential and standard non-functional requirement. No user will wish to use a website that takes too long to load on a consistent basis. |
| **1** | User accounts and information should be securely stored. | Essential and standard non-functional requirement. Accounts should have basic security, and should be secure, especially if sensitive information is potentially stored on it. |