# Overview

* 1. The purpose of this specification is to simply discuss the functionality users see when they interact with the web application called the AYSO Referee Scheduler.
  2. This specification is not, by any stretch of the imagination, complete. All of the wording will need to be revised several times before it is finalized. The graphics and layout of the screens if included are merely to illustrate the underlying functionality. The actual look and feel will be developed over time with the input of graphics designers and iterative user feedback.
  3. This specification does not discuss the algorithms used, which will be developed in a technical specification.
  4. The Referee Scheduler is functionality available to all registered AYSO volunteers certified as Referees or acting as Referee Administrators or their designees.

# Technology

* 1. Platforms
     1. System will be compatible with desktops, laptops, tablets, mobile devices
  2. Supported Operating systems
     1. System will operate on:
        1. iOS version 7 and higher
        2. Mac OS version 10 and higher
        3. Windows 7 and higher
        4. Android version 4 and higher
  3. Compatible Browsers:
     1. Chrome version 43 and higher
     2. IE version 9 and higher
     3. Firefox version 38 and higher
     4. Safari version 7 and higher

# Security Model

* 1. The system provides multi-level access controls for the following roles: SuperAdmin, Admin, Scheduler, Scorer, Assignor, Referee

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Functions | SuperAdmin | Admin | Scheduler | Assignor | Scorer | Referee |
| Database Admin | X |  |  |  |  |  |
| Profile Data Entry | X | X |  |  |  |  |
| Schedule Data Entry | X | X | X |  |  |  |
| Assignments | X |  |  | X |  |  |
| Views (depending on Role) | X | X | X | X | X | X |
| User Profile Mgmt | X | X |  |  |  | X |
| Match Reporting | X | X |  |  | X | X |

# System Functions

* 1. The system will verify and enforce eligibility by current Safe Haven, CDC, MY for all Referee accounts. Accounts will be given 30 day notice of expiring qualifications by email. Accounts failing eligibility will be flagged as ineligible and will not be available for assignments.
  2. The system will provide referees with email or text notifications of upcoming assignments 48 hours in advance.
  3. The system will send all Admins notification of unaccepted assignments 96 hours in advance of the match.
  4. The system will send all Admins notification of declined assignments immediately.
  5. Based on User provided AYSO Volunteer ID (8-digits), the system will add to the user profile view:
     1. AYSO Section-Area-Region
     2. Referee Badge Level (None, U-8, Basic Referee, Intermediate Referee, Advanced Referee, National Referee)

# Admin Functions

* 1. The Admin role will be able to send broadcast email to all referees by competition, all accounts showing availability, all accounts
  2. Print account roster with contact info by competition
  3. Export schedule template for import
  4. Import and maintain fields by site and sub-site
  5. Import & maintain match schedules from Excel or comma-separated variables (CSV): Date, time, competition, site, field, division, home team, home coach, away team, away coach

# User Functions

* 1. Each user is able to maintain profile data including:
     1. Full Name
     2. First Name
     3. Last Name
     4. Nick Name
     5. Email address
     6. Best phone number
     7. AYSO Volunteer ID (8-digits)
  2. Each user will be available to provide availability for assignments. This will be done by blocking dates, partial-blocking parts of dates, clear by date or date range, time range, and providing maximum travel distance (in miles)
  3. User will be able to block assignments (i.e., won’t take assignments) by site or other referees
  4. Print Referee schedule by account, date, field, team to PDF or Excel (selectable)
  5. Match assignments: assignment, accept, decline, notifications
  6. Match results reporting: score, misconduct, incidents
  7. Match misconduct reporting using standard form
  8. Match incident reporting using standard form
  9. Referee team views: upcoming teammates with contact info
  10. Historical search by account, date: export to Excel
  11. Schedule views:
      1. By accepted
      2. By declined
      3. By assigned
      4. By unassigned
      5. Assignments by name, grade, mobile number
      6. Sortable by date & time, site, field, division, referee last name, AR1 last name, AR2 last name

# Use Cases

* 1. UC 1: Account creation, pw reminders: new and returning users
     1. The home page presents two options:
        1. A login with username and password for returning users. There is a link to retrieve a lost or forgotten password.
        2. A prompt to create a new account for new users.
  2. UC 2: Match import and update