

Mark's Matches

Tennis Doubles Match Management

marksmatches.org

April 2026

Roster Management

- One-time registration: name, NTRP rating, email, phone.
- Server-side encryption (PBKDF2 + AES-256-GCM).
- Admins can edit ratings and contact details.
- Email notification preferences per player.
- Member / Guest designation per player.
- Attendance history: attended, no-shows, rate %, last 10 visual.

Session Setup

- Create sessions with date, time, duration (60/90/120 min), location, courts.
- Location defaults to Roger Williams Park; shown only when multiple locations exist.
- Weekly Template: define Tue-Sun schedule, create full week in one click.
- Already-created days greyed out in the weekly preview.
- Batch-created sessions skip individual emails; weekly notification sent automatically.

Session Signup

- Sign up from any device -- no account needed.
- Returning players auto-identified on their own device.
- Searchable player picker with alphabetical headers.
- Email links auto-identify player (no lookup needed).
- Real-time availability and standby list (FCFS order).
- Automatic standby promotion when spots open.
- Roster-wide open-spot alerts if no standby exists.
- I'm In and Standby buttons always visible; prompts for name if needed.

Smart Match Optimizer

- Sorts players by skill, tries 3 court assignments.
- Snake draft, cluster grouping, and reverse snake.
- 300 random-swap optimizations per candidate.
- Per-court best 2v2 split: balance first, variety tiebreaker.
- Partner history analyzed across all stored matches.
- Partner history badges on every match card.

Smart Reshuffle

- Before 7:01 PM: full regeneration allowed.
- After 7:01 PM: minimal disruption mode.
- Replacement slotted into same court position.
- Cascade swap to nearest courts if unbalanced.
- Balance threshold: 1.5 skill points per court.

Match Timeline

- 5:00 PM: Day-before reminder with Confirm + Withdraw.
- 7:00 PM: Matches auto-generated (Smart Match).
- 7:01 PM: Lineups visible to all players.
- After 7:01 PM: Cascade reshuffle if changes occur.

Court Management

- Increase / decrease courts per session anytime.
- When courts reduced:**
 - Excess players moved to standby (FCFS order).
 - Demoted players emailed with Withdraw button.
- When courts added:**
 - Standby players auto-promoted and emailed.
 - Roster notified of new spots.
 - Matches auto-regenerate after court changes.

Check-in & Attendance

- Match-day check-in on Matches tab (admin only).
- Tap player name to mark checked in -- large blue box indicator.
- Undo check-in by tapping again.
- No-shows recorded automatically after session ends.
- Attendance profile per player visible to roster admin.

Weekly Email

- Sent automatically when weekly sessions are created.
- One combined email per opted-in player listing all sessions.
- Single 'Choose Your Sessions' link -- no per-session clicking.
- Picker page: checkboxes for each session, one Submit.
- One combined confirmation with per-session Withdraw buttons.

Email Notifications (13+ Types)

- Weekly session announcement (choose your sessions).
- New session announcement (individual creation).
- Signup confirmation (instant, includes location).
- Weekly signup confirmation (combined, one email).
- Day-before reminder with Confirm + Withdraw buttons.
- Standby promotion. Open spot alert (roster-wide).
- Court reduction / increase notifications.
- Withdrawal confirmation with Sign Up Again link.
- Weather or session cancellation.
- All emails include location. Sent via Resend.

Admin Controls

- Two hashed PIN roles: Court Admin + Roster Admin.
- Both roles: full Matches tab (generate, check-in, withdraw).
- Court Admin: Courts tab -- sessions, weather cancel, weekly template.
- Roster Admin: Roster tab -- players, contacts, member status, attendance.
- Member vs Guest badge visible on match cards (admin only).
- PWA: installable on phone home screens.

Quick Reference

Website	marksmatches.org	Day-before reminder	5:00 PM evening before
Match generation	7:00 PM evening before	Match visibility	7:01 PM evening before
Players / court	4 (doubles)	Strategy	Smart Match (automatic)
Session durations	60 / 90 / 120 min	Default location	Roger Williams Park
Cloud Functions	15 active	Admin PINs	Court + Roster (separate)

Questions? Contact your session administrator. • April 2026